



---

# **San Bernardino Gateway**

## **MOBILE SOURCE HEALTH RISK ASSESSMENT**

### **CITY OF SAN BERNARDINO**

PREPARED BY:

Haseeb Qureshi  
hqureshi@urbanxroads.com

Michael Tirohn  
mtirohn@urbanxroads.com

AUGUST 16, 2023



**TABLE OF CONTENTS**

**TABLE OF CONTENTS** ..... I

**APPENDICES** ..... I

**LIST OF EXHIBITS** ..... II

**LIST OF TABLES** ..... II

**LIST OF ABBREVIATED TERMS** ..... IV

**EXECUTIVE SUMMARY** ..... 1

**1 INTRODUCTION** ..... 5

    1.1 Site Location ..... 6

    1.2 Project Description ..... 6

**2 BACKGROUND** ..... 10

    2.1 Background on Recommended Methodology ..... 10

    2.2 Construction Health Risk Assessment ..... 10

    2.3 Operational Health Risk Assessment ..... 13

    2.4 Exposure Quantification ..... 18

    2.5 Carcinogenic Chemical Risk ..... 20

    2.6 Non-carcinogenic Exposures ..... 21

    2.7 Potential Project-Related DPM Source Cancer and Non-Cancer Risks ..... 22

**3 REFERENCES** ..... 27

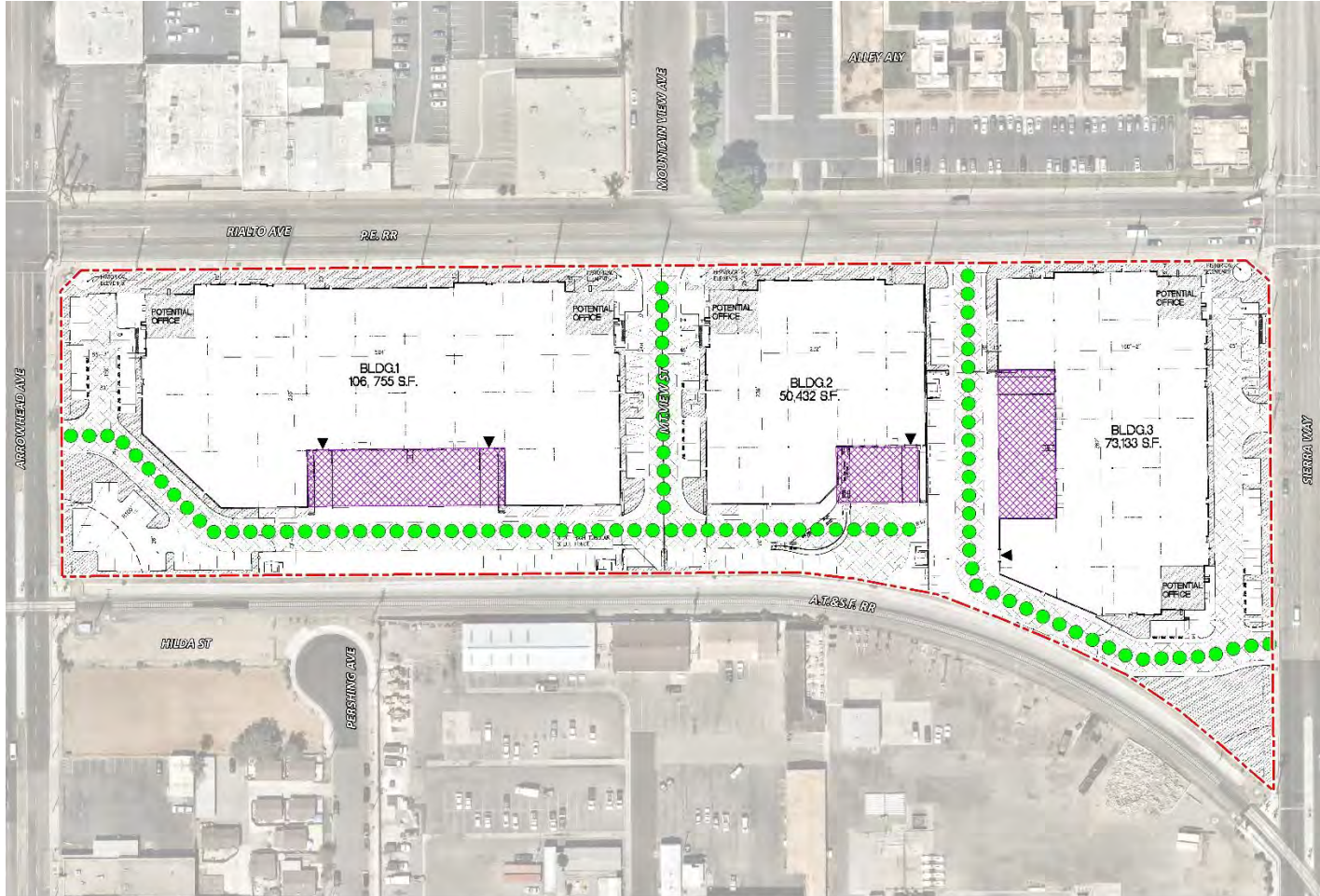
**4 CERTIFICATIONS** ..... 29

**APPENDICES**

- APPENDIX 2.1: CALEEMOD OUTPUTS**
- APPENDIX 2.2: EMFAC EMISSIONS SUMMARY**
- APPENDIX 2.3: AERMOD MODEL INPUT/OUTPUT**
- APPENDIX 2.4: RISK CALCULATIONS**

## LIST OF EXHIBITS

**EXHIBIT 1-A: LOCATION MAP** ..... 7  
**EXHIBIT 1-B: SITE PLAN** ..... 8  
**EXHIBIT 2-A: MODELED CONSTRUCTION EMISSION SOURCES** ..... 12  
**EXHIBIT 2-B: MODELED ON-SITE EMISSION SOURCES** ..... 15



**LEGEND:**  
 N  
 Site Boundary   
  Loading Dock Activity   
 ● Truck Movements

15

**EXHIBIT 2-C: MODELED OFF-SITE EMISSION SOURCES** ..... 16  
**EXHIBIT 2-D: RECEPTOR LOCATIONS** ..... 25

## LIST OF TABLES

**TABLE ES-1: SUMMARY OF CONSTRUCTION CANCER AND NON-CANCER RISKS** ..... 3  
**TABLE ES-2: SUMMARY OF OPERATIONAL CANCER AND NON-CANCER RISKS** ..... 3  
**TABLE ES-3: SUMMARY OF CONSTRUCTION AND OPERATIONAL CANCER AND NON-CANCER RISKS** .... 4  
**TABLE 2-1: CONSTRUCTION DURATION** ..... 11

**TABLE 2-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS ..... 11**  
**TABLE 2-3: 2024 WEIGHTED AVERAGE DPM EMISSIONS FACTORS ..... 14**  
**TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (2024 ANALYSIS YEAR) ..... 17**  
**TABLE 2-5: AERMOD MODEL PARAMETERS..... 18**  
**TABLE 2-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (CONSTRUCTION ACTIVITY)..... 19**  
**TABLE 2-7: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (30 YEAR RESIDENTIAL)..... 20**  
**TABLE 2-8: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (25 YEAR WORKER)..... 20**  
**TABLE 2-9: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (9 YEAR SCHOOL CHILD)..... 20**

## **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	San Bernardino Gateway
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

*This page intentionally left blank*

## EXECUTIVE SUMMARY

This report evaluates the potential mobile-source emissions health risk impacts associated with the development of the proposed Project. More specifically, this report evaluates 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 R1 which is located approximately 104 feet north of the Project site at an existing residence located at 120 West Rialto Avenue. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R1 is placed at the building façade facing the Project site. At the Maximally Exposed Individual Resident (MEIR), the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 3.23 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction activity. All other receptors during construction activity would experience less risk than what is identified for this location. The nearest modeled receptors are illustrated on Exhibit 2-D. It should be noted that construction impacts are identical under both alternatives.

### OPERATIONAL IMPACTS

#### Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R4 which is located approximately 195 feet south of the Project site at an existing residence located at 162 South Pershing Avenue. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R4 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 0.77 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. R4 is the receptor location that would experience the highest concentration of DPM during ongoing operation of the Project, despite not being the closest residential receptor to the site. This is due to the configuration of truck routes and loading docks on the Project site, as well as meteorological conditions (i.e., wind speed and direction) in the Project vicinity. Based on these factors it is common for the MEIR to not be the nearest receptor. 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 R6, which represents the adjacent potential worker receptor approximately 61 feet south of the Project site. At the Maximally Exposed Individual Worker (MEIW), the maximum incremental cancer risk impact is 0.17 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:

The nearest school is H. Frank Dominguez Elementary School, which is located approximately 1,170 feet east of the Project site. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact attributable to the Project is calculated to be 0.02 in one million, which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be <0.01, which would not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to nearby school children.

**CONSTRUCTION AND OPERATIONAL IMPACTS**

The land use with the greatest potential increased cancer risk due to exposure to Project construction-source and operational-source DPM emissions is Location R1. As shown in Table ES-3, at this location, the maximum incremental cancer risk attributable to Project construction and operational DPM source emissions is estimated at 3.46 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction and operational activity. All other receptors during construction and operational activity would experience less risk than what is identified for this location. The nearest modeled receptors are illustrated on Exhibit 2-D.

---

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

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

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
0.91 Year Exposure	Maximum Exposed Sensitive Receptor	3.23	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Annual Average	Maximum Exposed Sensitive Receptor	≤0.01	1.0	NO

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

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	0.77	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.17	10	NO
9 Year Exposure	Maximum Exposed Individual School Child	0.02	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Annual Average	Maximum Exposed Sensitive Receptor	≤0.01	1.0	NO
Annual Average	Maximum Exposed Worker Receptor	≤0.01	1.0	NO
Annual Average	Maximum Exposed Individual School Child	≤0.01	1.0	NO

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

<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	3.46	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	≤0.01	1.0	NO

# 1 INTRODUCTION

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

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

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

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

The SCAQMD has also established non-carcinogenic risk parameters for use in HRAs. Non-carcinogenic risks are quantified by calculating a "hazard index," expressed as the ratio between the ambient pollutant concentration and its toxicity or Reference Exposure Level (REL). 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 on the southeast corner of Arrowhead Avenue and Rialto Avenue in the City of San Bernardino as shown on Exhibit 1-A.

## **1.2 PROJECT DESCRIPTION**

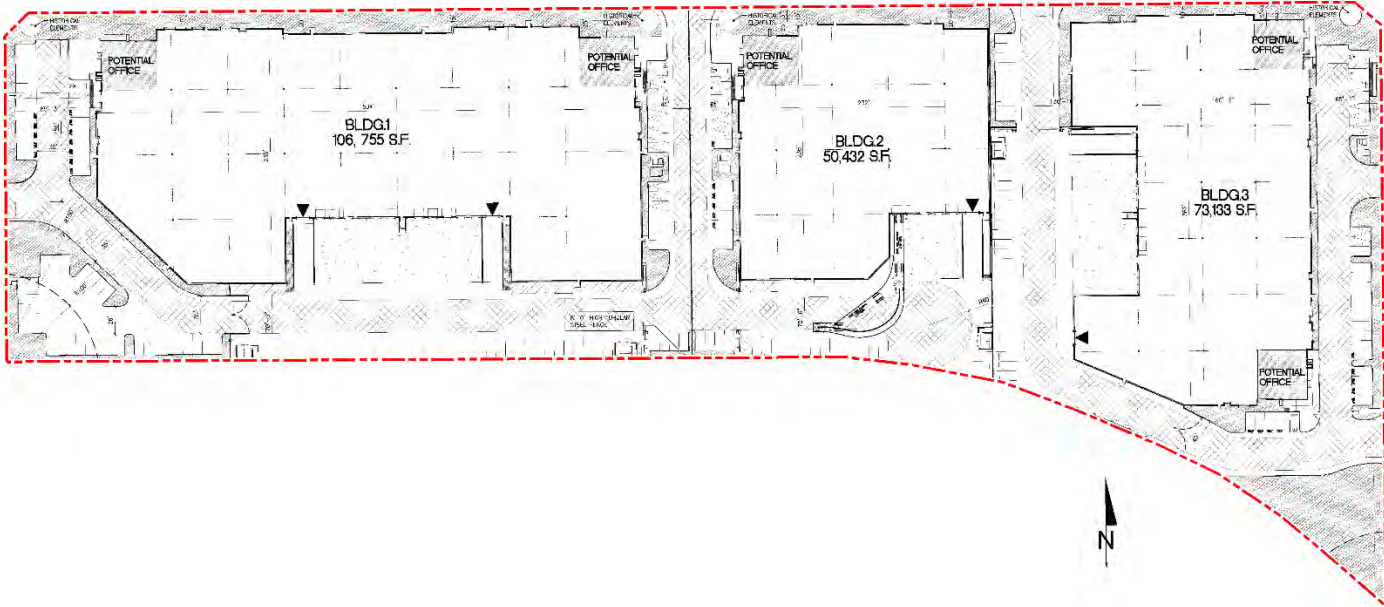
The Project is proposed to consist of 230,320 square feet of industrial use within three buildings, as shown on Exhibit 1-B. The Project is anticipated to be developed within a single phase with an Opening Year of 2024.

Per the *San Bernardino Gateway Traffic Analysis* prepared by Urban Crossroads, Inc., the proposed Project is expected to generate approximately 670 total trips per day (335 vehicles inbound + 335 vehicles outbound) which include 538 total passenger vehicle trips per day (269 passenger vehicles inbound + 269 passenger vehicles outbound) and 132 total truck trips per day (66 trucks inbound + 66 trucks outbound) (3).

EXHIBIT 1-A: LOCATION MAP



EXHIBIT 1-B: SITE PLAN



*This page intentionally left blank*



## 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> 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 *San Bernardino Gateway Air Quality Impact Analysis* ("technical study") prepared by Urban Crossroads, Inc. (4)

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

As discussed in the technical study, the Project would result in approximately 240 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.

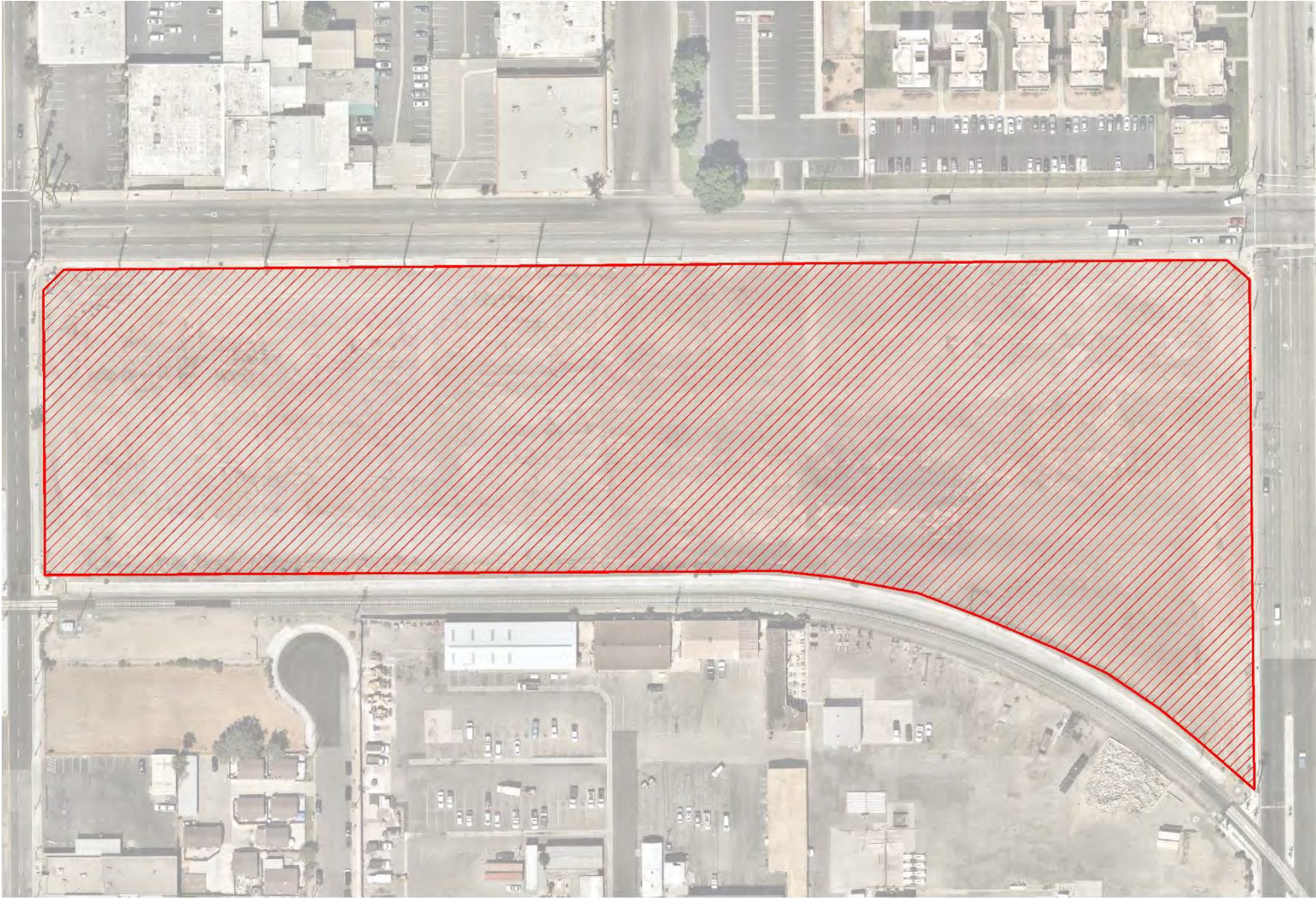
**TABLE 2-1: CONSTRUCTION DURATION**

Construction Activity	Start Date	End Date	Days
Site Preparation	4/3/2023	4/14/2023	10
Grading	4/3/2023	5/1/2023	21
Building Construction	5/1/2023	2/1/2024	199
Paving	1/1/2024	2/1/2024	24
Architectural Coating	1/1/2024	3/1/2024	45

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

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

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



**LEGEND:**  
N   Construction Activity

## 2.3 OPERATIONAL HEALTH RISK ASSESSMENT

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

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

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

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

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

Calculated emission factors are shown at Table 2-3. As a conservative measure, a 2024 EMFAC 2021 run was conducted and a static 2024 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2024 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 2024. Additionally, based on EMFAC 2021, Light-Heavy-Duty Trucks are comprised of 51.2% diesel, Medium-Heavy-Duty Trucks are comprised of 91.1% diesel, and Heavy-Heavy-Duty Trucks are comprised of 85.2% diesel. Trucks fueled by diesel are accounted for by these percentages accordingly in the emissions factor generation. Appendix 2.2 includes additional details on the emissions estimates from EMFAC.

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

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

Where:

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

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

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

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

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

Where:

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

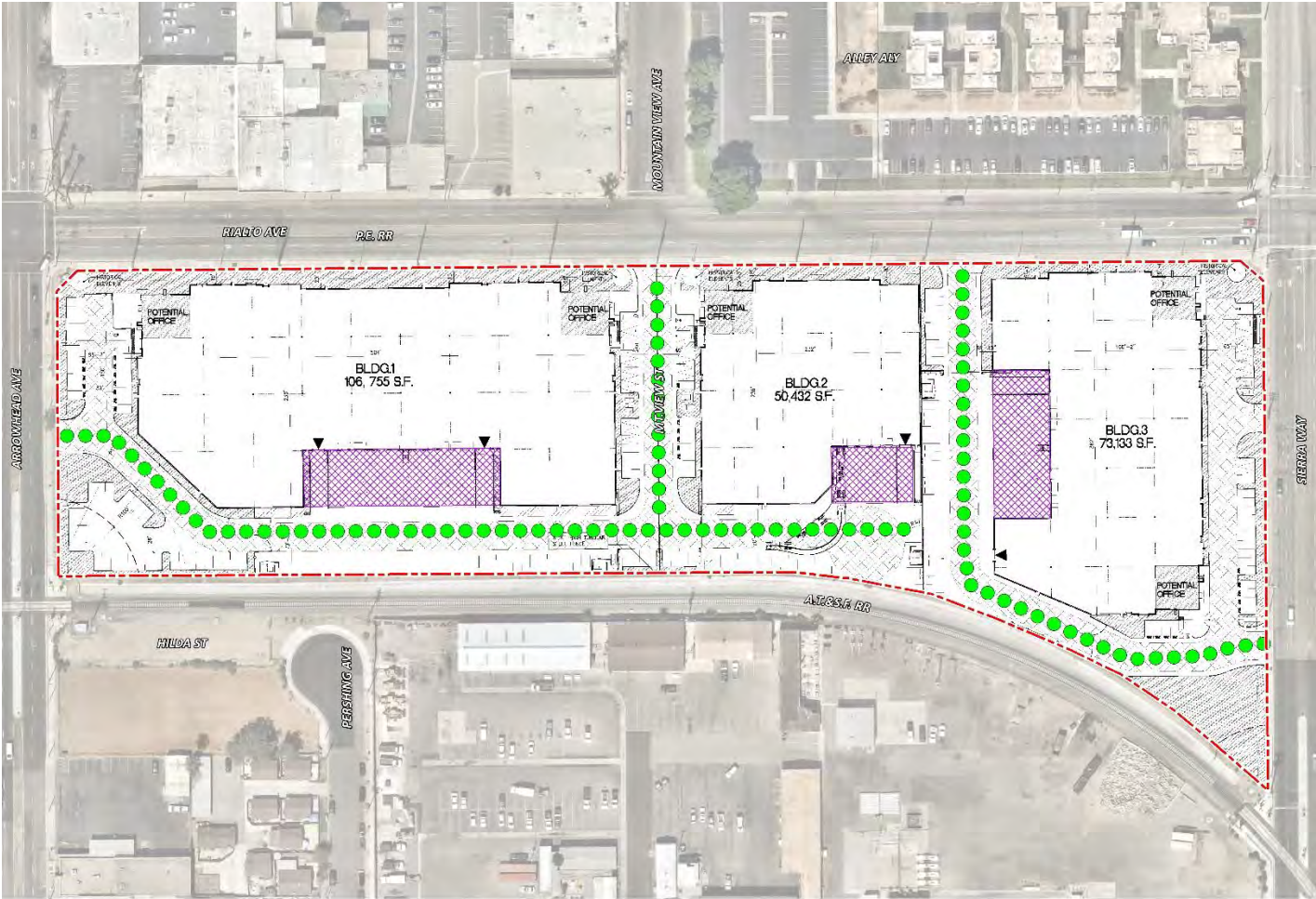
$\text{EF}_{\text{idle}}$  (g/s): EMFAC idle exhaust PM<sub>10</sub> emission factor.

**TABLE 2-3: 2024 WEIGHTED AVERAGE DPM EMISSIONS FACTORS**

Speed	Weighted Average
0 (idling)	0.07839 (g/idle-hr)
5	0.02074 (g/s)
25	0.00861 (g/s)

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

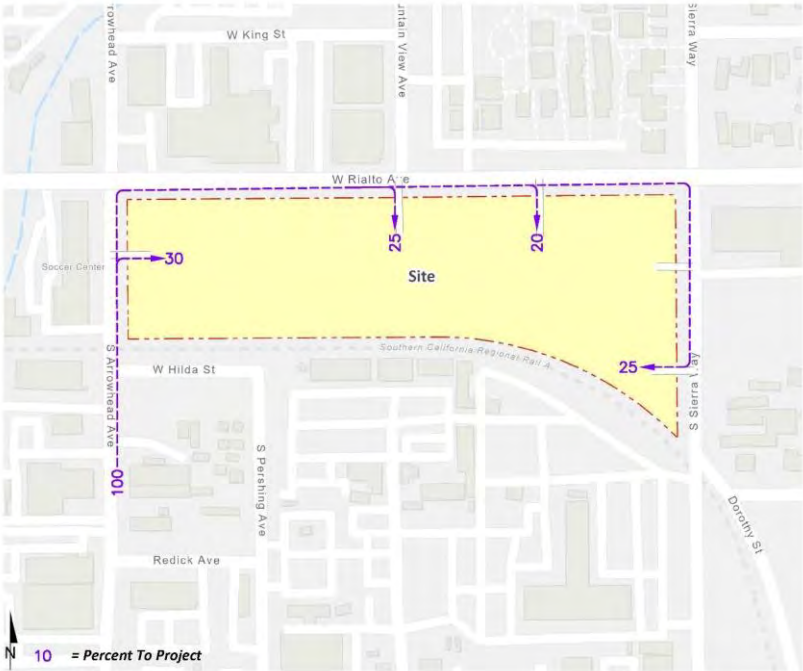
EXHIBIT 2-B: MODELED ON-SITE EMISSION SOURCES



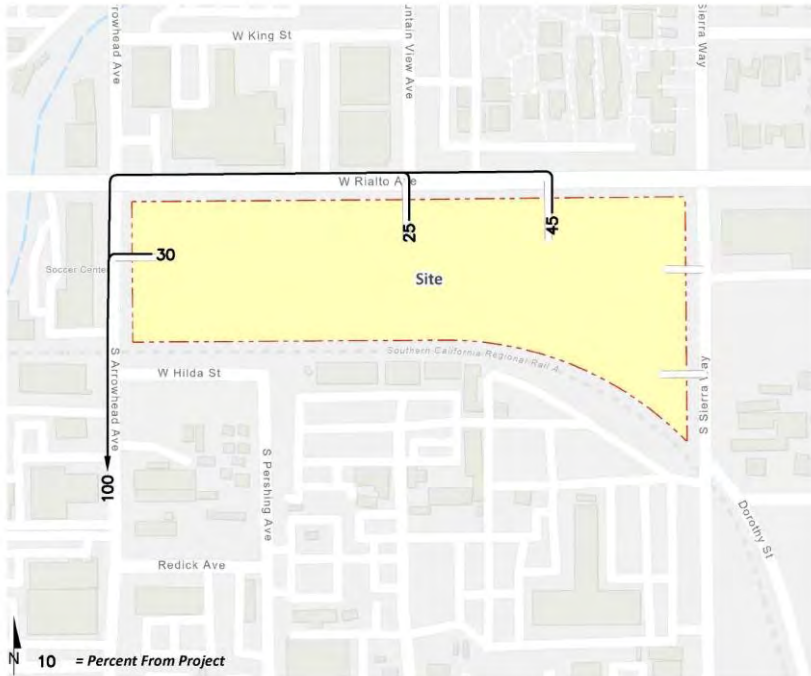
**LEGEND:**  
N  
[Red dashed line] Site Boundary [Purple hatched box] Loading Dock Activity [Green circle] Truck Movements

EXHIBIT 2-C: MODELED OFF-SITE EMISSION SOURCES

Inbound Truck Distribution



Outbound Truck Distribution



**TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (2024 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 - Building 1	31			0.0784	0.61	7.035E-06
On-Site Idling - Building 2	15			0.0784	0.29	3.319E-06
On-Site Idling - Building 3	20			0.0784	0.40	4.616E-06
On-Site Travel - Buildings 1 and 2	91	15.49	0.0207		0.32	3.719E-06
On-Site Travel - Buildings 1 and 2 Driveway	91	4.60	0.0207		0.10	1.103E-06
On-Site Travel - Building 3	41	5.15	0.0207		0.11	1.235E-06
Off-Site Travel - South Sierra Way 12.5% Inbound/Outbound	33	5.14	0.0086		0.04	5.127E-07
Off-Site Travel - West Rialto Avenue 45% Inbound/Outbound	59	3.65	0.0086		0.03	3.634E-07
Off-Site Travel - West Rialto Avenue 85% Inbound/Outbound	92	11.28	0.0086		0.10	1.124E-06
Off-Site Travel - South Arrowhead Avenue 15% Inbound/Outbound	40	2.44	0.0086		0.02	2.427E-07
Off-Site Travel - South Arrowhead Avenue 100% Inbound/Outbound	132	115.18	0.0086		0.99	1.148E-05
<sup>a</sup> Vehicle miles traveled are for modeled truck route only. <sup>b</sup> Emission rates determined using EMFAC 2021. Idle emission rates are expressed in grams per idle hour rather than grams per mile. <sup>c</sup> This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes.						



On-site truck idling was estimated to occur as trucks enter and travel through the Project site. Although the Project's diesel-fueled truck and equipment operators will be required by State law to comply with CARB's idling limit of 5 minutes, 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 *San Bernardino Gateway Traffic Analysis*, the proposed Project is expected to generate a total of approximately 670 trip-ends per day with 132 truck trip-ends per day (in actual vehicles) (3).

## 2.4 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1). SCAQMD recommends using the Environmental Protection Agency's (U.S. EPA's) AERMOD model. For purposes of this analysis, the Lakes AERMOD View (Version 11.0.0) was used to calculate annual average particulate concentrations associated with site operations. Lakes AERMOD View was utilized to incorporate the U.S. EPA's latest AERMOD Version 22112 (9).

The model offers additional flexibility by allowing the user to assign an initial release height and vertical dispersion parameters for mobile sources representative of a roadway. For this HRA, the roadways were modeled as adjacent volume sources. Roadways were modeled using the U.S. EPA's haul route methodology for modeling of on-site and off-site truck movement. More specifically, the Haul Road Volume Source Calculator in Lakes AERMOD View has been utilized to determine the release height parameters. Based on the U.S. 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 Redlands monitoring station was used to represent local weather conditions and prevailing winds (11).

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

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

Universal Transverse Mercator (UTM) coordinates for World Geodetic System (WGS) 84 were used to locate the Project site boundaries, each volume source location, and receptor locations in the Project 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 the California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (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 2-9 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	0.91	1.00	260	8

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

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

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

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

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

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

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

## 2.5 CARCINOGENIC CHEMICAL RISK

The SCAQMD CEQA Air Quality Handbook (1993) states that TAC emissions 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 (1), 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 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.

$$\text{DOSEair} = (\text{Cair} \times [\text{BR}/\text{BW}] \times \text{A} \times \text{EF}) \times (1 \times 10^{-6})$$

Where:

DOSEair	=	chronic daily intake (mg/kg/day)
Cair	=	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 x 10 <sup>-6</sup>	=	conversion factors (ug to mg, L to m <sup>3</sup> )

$$\text{RISKair} = \text{DOSEair} \times \text{CPF} \times \text{ED}/\text{AT}$$

Where:

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

## 2.6 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic reference exposure level (REL) for DPM was established by OEHHA as 5 µg/m<sup>3</sup> (14).

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.

## 2.7 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 R1 which is located approximately 104 feet north of the Project site at an existing residence located at 120 West Rialto Avenue. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R1 is placed at the building façade facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 3.23 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction activity. All other receptors during construction activity would experience less risk than what is identified for this location. The nearest modeled receptors are illustrated on Exhibit 2-D. It should be noted that construction impacts are identical under both alternatives.

### OPERATIONAL IMPACTS

#### Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R4 which is located approximately 195 feet south of the Project site at an existing residence located at 162 South Pershing Avenue. Since there are no private outdoor living areas (backyards) facing the Project site, receptor R4 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 0.77 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. R4 is the receptor location that would experience the highest concentration of DPM during ongoing operation of the Project, despite not being the closest residential receptor to the site. This is due to the configuration of truck routes and loading docks on the Project site, as well as meteorological conditions (i.e., wind speed and direction) in the Project vicinity. Based on these

factors it is common for the MEIR to not be the nearest receptor. 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 R6, which represents the adjacent potential worker receptor approximately 61 feet south of the Project site. At the MEIW, the maximum incremental cancer risk impact is 0.17 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:

The nearest school is H. Frank Dominguez Elementary School, which is located approximately 1,170 feet east of the Project site. At the MEISC, the maximum incremental cancer risk impact attributable to the Project is calculated to be 0.02 in one million, which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be <0.01, which would not exceed the applicable significance threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to nearby school children.

## **CONSTRUCTION AND OPERATIONAL IMPACTS**

The land use with the greatest potential increased cancer risk due to exposure to Project construction-source and operational-source DPM emissions is Location R1. As shown in Table ES-3, at this location, the maximum incremental cancer risk attributable to Project construction and operational DPM source emissions is estimated at 3.46 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction

---

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.

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:**  
[Red dashed line] Site Boundary    [Blue circle with cross] Receptor Locations    [Orange line with dot] Distance from receptor to Project site boundary (in feet)



*This page intentionally left blank*

### 3 REFERENCES

1. **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).
2. **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>.
3. **Urban Crossroads, Inc.** *San Bernardino Gateway Traffic Analysis*. 2023.
4. —. *San Bernardino Gateway Air Quality Impact Analysis*. 2023.
5. **California Air Resources Board.** EMFAC 2021. [Online] <https://www.arb.ca.gov/emfac/>.
6. **California Department of Transportation.** EMFAC Software. [Online]  
<http://www.dot.ca.gov/hq/env/air/pages/emfac.htm>.
7. **Air Resources Board.** *Air Quality and Land Use Handbook: A Community Health Perspective*. 2005.
8. **Wong, Jillian.** *Planning, Rule Development & Area Sources*. December 22, 2016.
9. **Environmental Protection Agency.** User's Guide for the AMS/EPA Regulatory Model (AERMOD). [Online] June 2022.  
[https://gaftp.epa.gov/Air/aqmg/SCRAM/models/preferred/aermod/aermod\\_userguide.pdf](https://gaftp.epa.gov/Air/aqmg/SCRAM/models/preferred/aermod/aermod_userguide.pdf).
10. —. User's Guide for the AMS/EPA Regulatory Model (AERMOD). [Online] April 2018.  
[https://www3.epa.gov/ttn/scram/models/aermod/aermod\\_userguide.pdf](https://www3.epa.gov/ttn/scram/models/aermod/aermod_userguide.pdf).
11. **South Coast Air Quality Management District.** Data for AERMOD. [Online] [Cited: December 16, 2021.] <https://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod>.
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).
14. **Office of Environmental Health Hazard Assessment.** Toxicity Criteria Database. [Online]  
<https://oehha.ca.gov/chemicals>.

*This page intentionally left blank*

## 4 CERTIFICATIONS

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed San Bernardino Gateway 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.

Haseeb Qureshi  
Principal  
URBAN CROSSROADS, INC.  
(949) 660-1994  
[hqureshi@urbanxroads.com](mailto:hqureshi@urbanxroads.com)

### 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

*This page intentionally left blank*

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

*This page intentionally left blank*

# 14660-S. Arrowhead Warehouse (Tier 4I Equipment) Detailed Report

## Table of Contents

### 1. Basic Project Information

#### 1.1. Basic Project Information

#### 1.2. Land Use Types

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

### 2. Emissions Summary

#### 2.1. Construction Emissions Compared Against Thresholds

#### 2.2. Construction Emissions by Year, Unmitigated

### 3. Construction Emissions Details

#### 3.1. Site Preparation (2023) - Unmitigated

#### 3.3. Grading (2023) - Unmitigated

#### 3.5. Building Construction (2023) - Unmitigated

#### 3.7. Building Construction (2024) - Unmitigated

#### 3.9. Paving (2024) - Unmitigated

#### 3.11. Architectural Coating (2024) - Unmitigated



#### 4. Operations Emissions Details

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

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

#### 5. Activity Data

##### 5.1. Construction Schedule

##### 5.2. Off-Road Equipment

5.2.1. Unmitigated

##### 5.3. Construction Vehicles

5.3.1. Unmitigated

##### 5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

##### 5.5. Architectural Coatings

##### 5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	14660-S. Arrowhead Warehouse (Tier 4I Equipment)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	24.0
Location	34.09992601609356, -117.28762589712977
County	San Bernardino-South Coast
City	San Bernardino
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5366
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

## 1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	230	1000sqft	5.29	230,455	43,847	—	—	—
Parking Lot	204	Space	1.36	0.00	0.00	—	—	—

Other Asphalt Surfaces	161	1000sqft	3.70	0.00	0.00	—	—	—
------------------------	-----	----------	------	------	------	---	---	---

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

No measures selected

## 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	8.11	6.12	78.5	83.9	0.17	2.83	11.2	14.0	2.62	4.42	7.04	—	21,782	21,782	1.56	1.69	28.6	22,301
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.59	29.3	23.1	34.8	0.05	0.98	1.97	2.95	0.91	0.47	1.38	—	6,992	6,992	0.33	0.24	0.26	7,072
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.38	3.42	10.1	14.2	0.02	0.38	1.18	1.56	0.35	0.34	0.69	—	3,426	3,426	0.20	0.19	2.32	3,489
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.25	0.62	1.85	2.59	< 0.005	0.07	0.22	0.28	0.06	0.06	0.13	—	567	567	0.03	0.03	0.38	578

### 2.2. Construction Emissions by Year, Unmitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	8.11	6.12	78.5	83.9	0.17	2.83	11.2	14.0	2.62	4.42	7.04	—	21,782	21,782	1.56	1.69	28.6	22,301
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	2.27	1.88	14.6	21.6	0.03	0.61	1.52	2.13	0.56	0.37	0.93	—	4,884	4,884	0.25	0.21	0.23	4,953
2024	3.59	29.3	23.1	34.8	0.05	0.98	1.97	2.95	0.91	0.47	1.38	—	6,992	6,992	0.33	0.24	0.26	7,072
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.38	1.10	10.1	14.2	0.02	0.38	1.18	1.56	0.35	0.34	0.69	—	3,426	3,426	0.20	0.19	2.32	3,489
2024	0.25	3.42	1.55	2.41	< 0.005	0.07	0.14	0.20	0.06	0.03	0.09	—	471	471	0.02	0.02	0.31	477
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.25	0.20	1.85	2.59	< 0.005	0.07	0.22	0.28	0.06	0.06	0.13	—	567	567	0.03	0.03	0.38	578
2024	0.05	0.62	0.28	0.44	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	78.0	78.0	< 0.005	< 0.005	0.05	78.9

### 3. Construction Emissions Details

#### 3.1. Site Preparation (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.83	4.90	47.0	38.0	0.05	2.53	—	2.53	2.33	—	2.33	—	5,530	5,530	0.22	0.04	—	5,549

14660-S. Arrowhead Warehouse (Tier 4I Equipment) Detailed Report, 11/7/2022

Dust From Material Movement:	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.13	1.29	1.04	< 0.005	0.07	—	0.07	0.06	—	0.06	—	152	152	0.01	< 0.005	—	152
Dust From Material Movement:	—	—	—	—	—	—	0.16	0.16	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.24	0.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.1	25.1	< 0.005	< 0.005	—	25.2
Dust From Material Movement:	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.09	1.62	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	257	257	0.01	0.01	1.10	261
Vendor	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	63.4	63.4	0.01	0.01	0.17	66.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.55	6.55	< 0.005	< 0.005	0.01	6.64
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.74	1.74	< 0.005	< 0.005	< 0.005	1.82
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.08	1.08	< 0.005	< 0.005	< 0.005	1.10
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.29	0.29	< 0.005	< 0.005	< 0.005	0.30
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.3. Grading (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.82	19.9	36.2	0.06	0.18	—	0.18	0.18	—	0.18	—	6,715	6,715	0.27	0.05	—	6,738
Dust From Material Movement	—	—	—	—	—	—	2.68	2.68	—	0.98	0.98	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



14660-S. Arrowhead Warehouse (Tier 4I Equipment) Detailed Report, 11/7/2022

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	1.15	2.08	< 0.005	0.01	—	0.01	0.01	—	0.01	—	386	386	0.02	< 0.005	—	388
Dust From Material Movement	—	—	—	—	—	—	0.15	0.15	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.21	0.38	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	64.0	64.0	< 0.005	< 0.005	—	64.2
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.11	1.85	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	294	294	0.01	0.01	1.26	298
Vendor	0.01	< 0.005	0.11	0.06	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	95.1	95.1	0.01	0.01	0.26	99.7
Hauling	1.21	0.19	11.1	6.20	0.06	0.11	0.65	0.76	0.11	0.22	0.33	—	8,827	8,827	1.02	1.40	18.4	9,288
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	15.7	15.7	< 0.005	< 0.005	0.03	15.9
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.47	5.47	< 0.005	< 0.005	0.01	5.73

Hauling	0.07	0.01	0.67	0.36	< 0.005	0.01	0.04	0.04	0.01	0.01	0.02	—	508	508	0.06	0.08	0.46	534
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	2.60	2.60	< 0.005	< 0.005	0.01	2.64
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.91	0.91	< 0.005	< 0.005	< 0.005	0.95
Hauling	0.01	< 0.005	0.12	0.07	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	84.1	84.1	0.01	0.01	0.08	88.4

### 3.5. Building Construction (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.62	1.36	12.8	14.3	0.03	0.60	—	0.60	0.55	—	0.55	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.62	1.36	12.8	14.3	0.03	0.60	—	0.60	0.55	—	0.55	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.78	0.65	6.14	6.85	0.01	0.29	—	0.29	0.26	—	0.26	—	1,261	1,261	0.05	0.01	—	1,265
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.14	0.12	1.12	1.25	< 0.005	0.05	—	0.05	0.05	—	0.05	—	209	209	0.01	< 0.005	—	209
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.58	0.53	0.51	8.96	0.00	0.00	0.08	0.08	0.00	0.00	0.00	—	1,422	1,422	0.06	0.05	6.10	1,444
Vendor	0.11	0.03	1.13	0.61	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	951	951	0.08	0.14	2.62	997
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.50	0.60	6.74	0.00	0.00	0.08	0.08	0.00	0.00	0.00	—	1,303	1,303	0.06	0.05	0.16	1,319
Vendor	0.11	0.02	1.17	0.62	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	951	951	0.08	0.14	0.07	995
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.24	0.29	3.42	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	634	634	0.03	0.02	1.27	642
Vendor	0.05	0.01	0.57	0.29	< 0.005	0.01	0.03	0.03	0.01	0.01	0.02	—	456	456	0.04	0.07	0.55	477
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.62	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	105	105	< 0.005	< 0.005	0.21	106
Vendor	0.01	< 0.005	0.10	0.05	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	75.5	75.5	0.01	0.01	0.09	79.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.7. Building Construction (2024) - Unmitigated

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

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

14660-S. Arrowhead Warehouse (Tier 4I Equipment) Detailed Report, 11/7/2022

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.55	1.30	12.2	14.2	0.03	0.54	—	0.54	0.49	—	0.49	—	2,630	2,630	0.11	0.02	—	2,639
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.76	0.89	< 0.005	0.03	—	0.03	0.03	—	0.03	—	165	165	0.01	< 0.005	—	165
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.14	0.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.3	27.3	< 0.005	< 0.005	—	27.4
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.48	0.55	6.19	0.00	0.00	0.08	0.08	0.00	0.00	0.00	—	1,277	1,277	0.06	0.05	0.14	1,293
Vendor	0.10	0.02	1.12	0.59	0.01	0.01	0.05	0.07	0.01	0.02	0.03	—	941	941	0.07	0.14	0.07	985
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.41	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	81.1	81.1	< 0.005	< 0.005	0.15	82.3
Vendor	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	58.9	58.9	< 0.005	0.01	0.07	61.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.07	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	13.4	13.4	< 0.005	< 0.005	0.02	13.6
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	9.75	9.75	< 0.005	< 0.005	0.01	10.2
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.9. Paving (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.01	0.85	7.81	10.0	0.01	0.39	—	0.39	0.36	—	0.36	—	1,512	1,512	0.06	0.01	—	1,517
Paving	—	0.55	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.51	0.66	< 0.005	0.03	—	0.03	0.02	—	0.02	—	99.4	99.4	< 0.005	< 0.005	—	99.7
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.5	16.5	< 0.005	< 0.005	—	16.5	
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.08	0.07	0.09	0.96	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	198	198	0.01	0.01	0.02	200	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	13.2	13.2	< 0.005	< 0.005	0.02	13.4	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	2.19	2.19	< 0.005	< 0.005	< 0.005	2.22	
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

### 3.11. Architectural Coating (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.21	1.53	< 0.005	0.04	—	0.04	0.04	—	0.04	—	178	178	0.01	< 0.005	—	179
Architect ural Coatings	—	25.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.15	0.19	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	21.9	21.9	< 0.005	< 0.005	—	22.0
Architect ural Coatings	—	3.18	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	3.63	3.63	< 0.005	< 0.005	—	3.65
Architect ural Coatings	—	0.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.11	1.24	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	255	255	0.01	0.01	0.03	259
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.16	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	31.9	31.9	< 0.005	< 0.005	0.06	32.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	5.29	5.29	< 0.005	< 0.005	0.01	5.36
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

## 4. Operations Emissions Details

### 4.10. Soil Carbon Accumulation By Vegetation Type

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

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

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



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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

## 5. Activity Data

### 5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	4/3/2023	4/14/2023	5.00	10.0	—
Grading	Grading	4/3/2023	5/1/2023	5.00	21.0	—
Building Construction	Building Construction	5/1/2023	2/1/2024	5.00	199	—
Paving	Paving	1/1/2024	2/1/2024	5.00	24.0	—
Architectural Coating	Architectural Coating	1/1/2024	3/1/2024	5.00	45.0	—

### 5.2. Off-Road Equipment

#### 5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Graders	Diesel	Tier 4 Interim	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Tier 4 Interim	2.00	8.00	36.0	0.38
Grading	Crawler Tractors	Diesel	Tier 4 Interim	2.00	8.00	87.0	0.43
Grading	Scrapers	Diesel	Tier 4 Interim	2.00	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	1.00	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	8.00	367	0.29
Building Construction	Welders	Diesel	Average	1.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37

Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48

## 5.3. Construction Vehicles

### 5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	2.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	3.00	10.2	HHDT,MHDT
Grading	Hauling	124	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	96.8	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	30.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	—	10.2	HHDT,MHDT

Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	19.4	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	—	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	355,593	118,531	13,214

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	—	—	35.0	0.00	—
Grading	18,250	2,500	84.0	0.00	—
Paving	0.00	0.00	0.00	0.00	5.06

### 5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
----------------------------	---------------------	----------------	-----------------

Water Exposed Area	3	74%	74%
--------------------	---	-----	-----

### 5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	1.36	100%
Other Asphalt Surfaces	3.70	100%

### 5.8. Construction Electricity Consumption and Emissions Factors

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

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	532	0.03	< 0.005
2024	0.00	532	0.03	< 0.005

### 5.18. Vegetation

#### 5.18.1. Land Use Change

##### 5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
--------------------------	----------------------	---------------	-------------

#### 5.18.1. Biomass Cover Type

##### 5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
--------------------	---------------	-------------

## 5.18.2. Sequestration

### 5.18.2.1. Unmitigated

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

# 6. Climate Risk Detailed Report

## 6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	27.1	annual days of extreme heat
Extreme Precipitation	4.10	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	0.00	annual hectares burned

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

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

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

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

## 6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack	N/A	N/A	N/A	N/A
Air Quality	0	0	0	N/A

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

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

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

### 6.3. Adjusted Climate Risk Scores

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

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

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

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

### 6.4. Climate Risk Reduction Measures



## 7. Health and Equity Details

### 7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	100
AQ-PM	58.7
AQ-DPM	80.5
Drinking Water	44.1
Lead Risk Housing	87.2
Pesticides	0.00
Toxic Releases	53.9
Traffic	65.0
Effect Indicators	—
CleanUp Sites	94.4
Groundwater	14.3
Haz Waste Facilities/Generators	81.9
Impaired Water Bodies	12.5
Solid Waste	35.7
Sensitive Population	—
Asthma	90.4
Cardio-vascular	92.2
Low Birth Weights	98.9
Socioeconomic Factor Indicators	—
Education	92.1
Housing	63.3

Linguistic	98.3
Poverty	98.6
Unemployment	—

## 7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	0.10265623
Employed	0.757089696
Median HI	—
Education	—
Bachelor's or higher	18.61927371
High school enrollment	100
Preschool enrollment	31.33581419
Transportation	—
Auto Access	1.167714616
Active commuting	66.45707686
Social	—
2-parent households	17.25907866
Voting	6.916463493
Neighborhood	—
Alcohol availability	32.09290389
Park access	50.46836905
Retail density	93.64814577
Supermarket access	33.79956371
Tree canopy	8.058514051

Housing	—
Homeownership	3.772616451
Housing habitability	31.86192737
Low-inc homeowner severe housing cost burden	35.91684845
Low-inc renter severe housing cost burden	81.75285513
Uncrowded housing	27.87116643
Health Outcomes	—
Insured adults	5.812909021
Arthritis	0.9
Asthma ER Admissions	2.3
High Blood Pressure	0.9
Cancer (excluding skin)	19.8
Asthma	2.6
Coronary Heart Disease	0.6
Chronic Obstructive Pulmonary Disease	0.2
Diagnosed Diabetes	0.1
Life Expectancy at Birth	4.7
Cognitively Disabled	1.9
Physically Disabled	0.8
Heart Attack ER Admissions	0.4
Mental Health Not Good	5.6
Chronic Kidney Disease	0.4
Obesity	3.7
Pedestrian Injuries	98.6
Physical Health Not Good	0.1
Stroke	0.2
Health Risk Behaviors	—

Binge Drinking	98.9
Current Smoker	5.8
No Leisure Time for Physical Activity	0.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	18.1
Elderly	5.1
English Speaking	4.3
Foreign-born	70.5
Outdoor Workers	26.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	56.3
Traffic Density	53.3
Traffic Access	23.0
Other Indices	—
Hardship	97.6
Other Decision Support	—
2016 Voting	4.2

### 7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	98.0
Healthy Places Index Score for Project Location (b)	0.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	San Bernardino Muscoy

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

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

## 7.4. Health & Equity Measures

No Health & Equity Measures selected.

## 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

## 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

## 8. User Changes to Default Data

Screen	Justification
Land Use	Taken From Site Plan
Construction: Construction Phases	No Demolition Client Indicated schedule
Construction: Off-Road Equipment	T/L/B replaced with Crawler Tractor to accurately calculate disturbance for Site Preparation and Grading phases Standard 8-hour work days Tier 4I equipment used for grading phase per County's good neighbor policy
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	SCAQMD Rule 1113

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

*This page intentionally left blank*

Emissions	Phase	Lb/Day	# Days	Emissions	Avg/Lb Day	Avg/Hourly
On-Site	Site Preparation	2.53	10	25.3	2.53	0.31625
Exhaust PM-10	Grading	0.18	21	3.78	0.18	0.0225
	Building Construction	0.57	199	113.43	0.57	0.07125
	Paving	0.39	24	9.36	0.39	0.04875
	Architectural Coatings	0.04	45	1.8	0.04	0.005
			3.71	240	153.67	0.640291667
Off-Site	Site Preparation	5.00E-03	10	0.05	0.005	0.000625
Exhaust PM-10	Grading	1.15E-01	21	2.415	0.115	0.014375
	Building Construction	7.50E-03	199	1.4925	0.0075	0.0009375
	Paving	0.00E+00	24	0	0	0
	Architectural Coatings	0.00E+00	45	0	0	0
			1.28E-01	240	3.9575	0.016489583

Phase	Start Date	End Date	No. Days
Site Preparation	4/3/2023	4/14/2023	10
Grading	4/3/2023	5/1/2023	21
Building Construction	5/1/2023	2/1/2024	199
Paving	1/1/2024	2/1/2024	24
Arch Coatings	1/1/2024	3/1/2024	45
<b>Total Days of Construction</b>			<b>240</b>



**AVERAGE EMISSION FACTOR  
SAN BERNARDINO COUNTY 2024**

Speed	LHD1	LHD2	MHD	HHD
0	0.316954	0.498613	0.051812	0.01310
5	0.039143	0.05572	0.030547	0.01151
25	0.01796	0.026556	0.00817	0.00576

Speed	Weighted Average Emissions
<b>0</b>	<b>0.07839</b>
<b>5</b>	<b>0.02074</b>
<b>25</b>	<b>0.00861</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 - Building 1	31			0.0784	0.61	7.035E-06
On-Site Idling - Building 2	15			0.0784	0.29	3.319E-06
On-Site Idling - Building 3	20			0.0784	0.40	4.616E-06
On-Site Travel - Buildings 1 and 2	91	15.95	0.0207		0.33	3.828E-06
On-Site Travel - Buildings 1 and 2 Driveway	91	4.60	0.0207		0.10	1.103E-06
On-Site Travel - Building 3	41	5.15	0.0207		0.11	1.235E-06
Off-Site Travel - 30% Inbound Dwy 1	20	19.23	0.0086		0.17	1.916E-06
Off-Site Travel - 25% Inbound Dwy 2	17	18.77	0.0086		0.16	1.870E-06
Off-Site Travel - 20% Inbound Dwy 3	13	15.83	0.0086		0.14	1.578E-06
Off-Site Travel - 25% Inbound Dwy 5	17	22.20	0.0086		0.19	2.212E-06
Off-Site Travel - 30% Outbound Dwy 1	20	19.23	0.0086		0.17	1.916E-06
Off-Site Travel - 25% Outbound Dwy 2	17	18.77	0.0086		0.16	1.870E-06
Off-Site Travel - 45% Outbound Dwy 3	30	35.63	0.0086		0.31	3.550E-06

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

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

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

calendar_	season_m	sub_area	vehicle_class	fuel	temperatur	relative_hu	process	speed_tim	pollutant	emission_rate
2024	Annual	San Berna	HHDT	Dsl	60	70	RUNEX	5	PM10	0.01351
2024	Annual	San Berna	HHDT	Dsl	60	70	RUNEX	25	PM10	0.006762
2024	Annual	San Berna	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.098223
2024	Annual	San Berna	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.045069
2024	Annual	San Berna	LHDT2	Dsl	60	70	RUNEX	5	PM10	0.089018
2024	Annual	San Berna	LHDT2	Dsl	60	70	RUNEX	25	PM10	0.042425
2024	Annual	San Berna	MHDT	Dsl	60	70	RUNEX	5	PM10	0.033532
2024	Annual	San Berna	MHDT	Dsl	60	70	RUNEX	25	PM10	0.008968

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Sub-Area

Region: San Bernardino (SC)

Calendar Year: 2024

Season: Annual

Vehicle Classification: EMFAC2007 Categories

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

Region	Calendar	Vehicle C	Model Year	Speed	Fuel	Population
San Bern	2024	HHDT	Aggregate	Aggregate	Gasoline	5.56599
San Bern	2024	HHDT	Aggregate	Aggregate	Diesel	14232
San Bern	2024	HHDT	Aggregate	Aggregate	Natural G	2469.47
San Bern	2024	LHDT1	Aggregate	Aggregate	Gasoline	17179.5
San Bern	2024	LHDT1	Aggregate	Aggregate	Diesel	11382.1
San Bern	2024	LHDT2	Aggregate	Aggregate	Gasoline	2883.7
San Bern	2024	LHDT2	Aggregate	Aggregate	Diesel	4825.53
San Bern	2024	MHDT	Aggregate	Aggregate	Gasoline	1460.6
San Bern	2024	MHDT	Aggregate	Aggregate	Diesel	14946.5
San Bern	2024	MHDT	Aggregate	Aggregate	Natural G	195.676

HHDT% GAS/NG	0.14814
HHDT% DSL	0.85186
LHDT1% GAS	0.60149
LHDT1% DSL	0.39851
LHDT2% GAS	0.37406
LHDT2% DSL	0.62594
MHDT% GAS	0.08902
MHDT% DSL	0.91098

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

*This page intentionally left blank*

\*\* Lakes Environmental AERMOD MPI

\*\*

\*\*\*\*\*

\*\*

\*\* AERMOD Input Produced by:

\*\* AERMOD View Ver. 11.0.0

\*\* Lakes Environmental Software Inc.

\*\* Date: 11/11/2022

\*\* File: C:\Users\Michael Tirohn\Desktop\HRAs\14660 S Arrowhead\14660

Construction\14660 Construction.ADI

\*\*

\*\*\*\*\*

\*\*

\*\*

\*\*\*\*\*

\*\* AERMOD Control Pathway

\*\*\*\*\*

\*\*

\*\*

CO STARTING

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14660 S Arrowhead\14660 Ops\146

MODELOPT DFAULT CONC

AVERTIME ANNUAL

URBANOPT 2035210 San\_Bernardino\_County

POLLUTID DPM

RUNORNOT RUN

ERRORFIL "14660 Construction.err"

CO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Source Pathway

\*\*\*\*\*

\*\*

\*\*

SO STARTING

\*\* Source Location \*\*

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

LOCATION VOL1 VOLUME 473320.749 3773336.393 309.000

LOCATION VOL2 VOLUME 473320.315 3773286.659 309.010

LOCATION VOL3 VOLUME 473370.774 3773335.996 309.700

LOCATION VOL4 VOLUME 473371.559 3773286.229 309.660

LOCATION VOL5 VOLUME 473422.073 3773336.108 310.000

LOCATION VOL6 VOLUME 473422.073 3773286.229 309.660

LOCATION VOL7 VOLUME 473472.588 3773336.426 310.000

LOCATION VOL8 VOLUME 473472.588 3773285.593 309.640

LOCATION VOL9 VOLUME 473523.103 3773336.426 310.000

LOCATION VOL10 VOLUME 473523.103 3773286.229 309.660

LOCATION VOL11 VOLUME 473573.618 3773336.426 310.000

LOCATION VOL12 VOLUME 473573.618 3773285.911 310.000

LOCATION VOL13 VOLUME 473624.132 3773336.426 310.000

LOCATION VOL14	VOLUME	473624.450	3773285.911	310.000
LOCATION VOL15	VOLUME	473660.986	3773335.790	310.120
LOCATION VOL16	VOLUME	473660.668	3773285.276	310.000
LOCATION VOL17	VOLUME	473660.351	3773235.079	310.000

\*\*

-----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE1

\*\* DESCRSRC

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0002597066

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 7

\*\* 473281.582, 3773257.187, 308.84, 3.49, 6.51

\*\* 473284.013, 3773407.079, 308.88, 3.49, 6.51

\*\* 473281.852, 3773583.708, 310.00, 3.49, 6.51

\*\* 472991.791, 3773583.978, 314.64, 3.49, 6.51

\*\* 472795.446, 3773586.679, 316.82, 3.49, 6.51

\*\* 472453.260, 3773589.920, 319.00, 3.49, 6.51

\*\* 472090.279, 3773584.788, 322.16, 3.49, 6.51

\*\*

-----

LOCATION L0000001	VOLUME	473281.696	3773264.186	308.73
LOCATION L0000002	VOLUME	473281.923	3773278.184	308.74
LOCATION L0000003	VOLUME	473282.150	3773292.182	308.75
LOCATION L0000004	VOLUME	473282.377	3773306.180	308.75
LOCATION L0000005	VOLUME	473282.604	3773320.178	308.76
LOCATION L0000006	VOLUME	473282.831	3773334.177	308.77
LOCATION L0000007	VOLUME	473283.058	3773348.175	308.78
LOCATION L0000008	VOLUME	473283.285	3773362.173	308.78
LOCATION L0000009	VOLUME	473283.512	3773376.171	308.79
LOCATION L0000010	VOLUME	473283.739	3773390.169	308.80
LOCATION L0000011	VOLUME	473283.966	3773404.167	308.81
LOCATION L0000012	VOLUME	473283.877	3773418.166	308.74
LOCATION L0000013	VOLUME	473283.706	3773432.165	308.27
LOCATION L0000014	VOLUME	473283.535	3773446.164	307.80
LOCATION L0000015	VOLUME	473283.363	3773460.163	307.79
LOCATION L0000016	VOLUME	473283.192	3773474.162	307.78
LOCATION L0000017	VOLUME	473283.021	3773488.161	307.56
LOCATION L0000018	VOLUME	473282.850	3773502.160	307.31
LOCATION L0000019	VOLUME	473282.678	3773516.159	307.89
LOCATION L0000020	VOLUME	473282.507	3773530.158	308.83
LOCATION L0000021	VOLUME	473282.336	3773544.157	309.44
LOCATION L0000022	VOLUME	473282.165	3773558.156	309.80
LOCATION L0000023	VOLUME	473281.994	3773572.155	310.00
LOCATION L0000024	VOLUME	473279.407	3773583.710	310.00
LOCATION L0000025	VOLUME	473265.407	3773583.723	310.00
LOCATION L0000026	VOLUME	473251.407	3773583.736	310.28
LOCATION L0000027	VOLUME	473237.407	3773583.750	310.75



LOCATION L0000028	VOLUME	473223.407	3773583.763	311.12
LOCATION L0000029	VOLUME	473209.407	3773583.776	311.39
LOCATION L0000030	VOLUME	473195.407	3773583.789	311.64
LOCATION L0000031	VOLUME	473181.407	3773583.802	311.84
LOCATION L0000032	VOLUME	473167.407	3773583.815	312.05
LOCATION L0000033	VOLUME	473153.407	3773583.828	312.32
LOCATION L0000034	VOLUME	473139.407	3773583.841	312.59
LOCATION L0000035	VOLUME	473125.407	3773583.854	312.78
LOCATION L0000036	VOLUME	473111.407	3773583.867	312.98
LOCATION L0000037	VOLUME	473097.407	3773583.880	313.00
LOCATION L0000038	VOLUME	473083.407	3773583.893	313.00
LOCATION L0000039	VOLUME	473069.407	3773583.906	313.34
LOCATION L0000040	VOLUME	473055.407	3773583.919	313.81
LOCATION L0000041	VOLUME	473041.407	3773583.932	314.00
LOCATION L0000042	VOLUME	473027.407	3773583.945	314.00
LOCATION L0000043	VOLUME	473013.407	3773583.958	314.12
LOCATION L0000044	VOLUME	472999.407	3773583.971	314.40
LOCATION L0000045	VOLUME	472985.407	3773584.066	314.65
LOCATION L0000046	VOLUME	472971.409	3773584.259	314.84
LOCATION L0000047	VOLUME	472957.410	3773584.451	315.05
LOCATION L0000048	VOLUME	472943.411	3773584.644	315.33
LOCATION L0000049	VOLUME	472929.413	3773584.836	315.62
LOCATION L0000050	VOLUME	472915.414	3773585.029	315.62
LOCATION L0000051	VOLUME	472901.415	3773585.221	315.63
LOCATION L0000052	VOLUME	472887.416	3773585.414	315.79
LOCATION L0000053	VOLUME	472873.418	3773585.606	315.96
LOCATION L0000054	VOLUME	472859.419	3773585.799	316.00
LOCATION L0000055	VOLUME	472845.420	3773585.992	316.00
LOCATION L0000056	VOLUME	472831.422	3773586.184	316.18
LOCATION L0000057	VOLUME	472817.423	3773586.377	316.50
LOCATION L0000058	VOLUME	472803.424	3773586.569	316.67
LOCATION L0000059	VOLUME	472789.425	3773586.736	316.68
LOCATION L0000060	VOLUME	472775.426	3773586.869	316.73
LOCATION L0000061	VOLUME	472761.427	3773587.001	316.88
LOCATION L0000062	VOLUME	472747.427	3773587.134	317.00
LOCATION L0000063	VOLUME	472733.428	3773587.266	317.00
LOCATION L0000064	VOLUME	472719.429	3773587.399	317.01
LOCATION L0000065	VOLUME	472705.429	3773587.532	317.34
LOCATION L0000066	VOLUME	472691.430	3773587.664	317.67
LOCATION L0000067	VOLUME	472677.430	3773587.797	317.71
LOCATION L0000068	VOLUME	472663.431	3773587.929	317.72
LOCATION L0000069	VOLUME	472649.432	3773588.062	317.72
LOCATION L0000070	VOLUME	472635.432	3773588.194	317.73
LOCATION L0000071	VOLUME	472621.433	3773588.327	317.73
LOCATION L0000072	VOLUME	472607.434	3773588.460	317.74
LOCATION L0000073	VOLUME	472593.434	3773588.592	317.74
LOCATION L0000074	VOLUME	472579.435	3773588.725	317.75
LOCATION L0000075	VOLUME	472565.436	3773588.857	317.79
LOCATION L0000076	VOLUME	472551.436	3773588.990	317.90
LOCATION L0000077	VOLUME	472537.437	3773589.123	318.00

LOCATION L0000078	VOLUME	472523.437	3773589.255	318.00
LOCATION L0000079	VOLUME	472509.438	3773589.388	318.01
LOCATION L0000080	VOLUME	472495.439	3773589.520	318.37
LOCATION L0000081	VOLUME	472481.439	3773589.653	318.73
LOCATION L0000082	VOLUME	472467.440	3773589.786	318.87
LOCATION L0000083	VOLUME	472453.441	3773589.918	318.97
LOCATION L0000084	VOLUME	472439.442	3773589.725	319.00
LOCATION L0000085	VOLUME	472425.443	3773589.527	319.00
LOCATION L0000086	VOLUME	472411.445	3773589.329	319.28
LOCATION L0000087	VOLUME	472397.446	3773589.131	319.74
LOCATION L0000088	VOLUME	472383.448	3773588.933	320.00
LOCATION L0000089	VOLUME	472369.449	3773588.735	320.00
LOCATION L0000090	VOLUME	472355.450	3773588.537	320.14
LOCATION L0000091	VOLUME	472341.452	3773588.339	320.61
LOCATION L0000092	VOLUME	472327.453	3773588.141	321.00
LOCATION L0000093	VOLUME	472313.455	3773587.943	321.00
LOCATION L0000094	VOLUME	472299.456	3773587.746	321.01
LOCATION L0000095	VOLUME	472285.457	3773587.548	321.48
LOCATION L0000096	VOLUME	472271.459	3773587.350	321.94
LOCATION L0000097	VOLUME	472257.460	3773587.152	322.00
LOCATION L0000098	VOLUME	472243.462	3773586.954	322.00
LOCATION L0000099	VOLUME	472229.463	3773586.756	322.34
LOCATION L0000100	VOLUME	472215.464	3773586.558	322.81
LOCATION L0000101	VOLUME	472201.466	3773586.360	323.00
LOCATION L0000102	VOLUME	472187.467	3773586.162	323.00
LOCATION L0000103	VOLUME	472173.469	3773585.964	323.00
LOCATION L0000104	VOLUME	472159.470	3773585.767	323.00
LOCATION L0000105	VOLUME	472145.471	3773585.569	323.00
LOCATION L0000106	VOLUME	472131.473	3773585.371	323.00
LOCATION L0000107	VOLUME	472117.474	3773585.173	322.92
LOCATION L0000108	VOLUME	472103.475	3773584.975	322.46

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

\*\* Source Parameters \*\*

SRCPARAM VOL1	0.0005932014	5.000	11.791	1.400
SRCPARAM VOL2	0.0005932014	5.000	11.791	1.400
SRCPARAM VOL3	0.0005932014	5.000	11.791	1.400
SRCPARAM VOL4	0.0005932014	5.000	11.791	1.400
SRCPARAM VOL5	0.0005932014	5.000	11.791	1.400
SRCPARAM VOL6	0.0005932014	5.000	11.791	1.400
SRCPARAM VOL7	0.0005932014	5.000	11.791	1.400
SRCPARAM VOL8	0.0005932014	5.000	11.791	1.400
SRCPARAM VOL9	0.0005932014	5.000	11.791	1.400
SRCPARAM VOL10	0.0005932014	5.000	11.791	1.400
SRCPARAM VOL11	0.0005932014	5.000	11.791	1.400
SRCPARAM VOL12	0.0005932014	5.000	11.791	1.400
SRCPARAM VOL13	0.0005932014	5.000	11.791	1.400
SRCPARAM VOL14	0.0005932014	5.000	11.791	1.400
SRCPARAM VOL15	0.0005932014	5.000	11.791	1.400
SRCPARAM VOL16	0.0005932014	5.000	11.791	1.400
SRCPARAM VOL17	0.0005932014	5.000	11.791	1.400





SRCPARAM L0000100	0.000002405	3.49	6.51	3.25
SRCPARAM L0000101	0.000002405	3.49	6.51	3.25
SRCPARAM L0000102	0.000002405	3.49	6.51	3.25
SRCPARAM L0000103	0.000002405	3.49	6.51	3.25
SRCPARAM L0000104	0.000002405	3.49	6.51	3.25
SRCPARAM L0000105	0.000002405	3.49	6.51	3.25
SRCPARAM L0000106	0.000002405	3.49	6.51	3.25
SRCPARAM L0000107	0.000002405	3.49	6.51	3.25
SRCPARAM L0000108	0.000002405	3.49	6.51	3.25

\*\*

-----  
 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 VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL5	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL5	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL5	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL5	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL5	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL5	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL5	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL5	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	
EMISFACT VOL5	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL5	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL5	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL5	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:	
EMISFACT VOL6	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL6	HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL6	HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL6	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:	
EMISFACT VOL6	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL6	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL6	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL6	HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:	



































































EMISFACT L0000104 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000104 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000105 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000105 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000105 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000105 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000105 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000106 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000106 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000106 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000106 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000106 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000107 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000107 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000107 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000108 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000108 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000108 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000108 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
SRCGROUP ALL

SO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Receptor Pathway

\*\*\*\*\*

\*\*

\*\*

RE STARTING

INCLUDED "14660 Construction.rou"

RE FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Meteorology Pathway

\*\*\*\*\*

\*\*

\*\*

ME STARTING

SURFFILE RDLD\_V9\_ADJU\RDLD\_v9.SFC

PROFFILE RDLD\_V9\_ADJU\RDLD\_v9.PFL

SURFDATA 3171 2012

UAIRDATA 3190 2012

SITEDATA 99999 2012

PROFBASE 481.0 METERS

ME FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Output Pathway

\*\*\*\*\*

\*\*

\*\*

OU STARTING

\*\* Auto-Generated Plotfiles  
PLOTFILE ANNUAL ALL "14660 CONSTRUCTION.AD\AN00GALL.PLT" 31  
SUMMFILE "14660 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    1891            MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
          0.50  
ME W187    1891            MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*    \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\*        11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\*    \*\*\*  
                                  \*\*\*        08:26:16

                                  PAGE    1  
\*\*\* MODELOPTs:    RegDEFAULT   CONC   ELEV   URBAN   ADJ\_U\*

\*\*\*                                    MODEL SETUP OPTIONS SUMMARY

\*\*\*

-----  
-----

\*\* Model Options Selected:  
\* Model Uses Regulatory DEFAULT Options  
\* Model Is Setup For Calculation of Average CONCentration Values.  
\* NO GAS DEPOSITION Data Provided.  
\* NO PARTICLE DEPOSITION Data Provided.  
\* Model Uses NO DRY DEPLETION. DDPLETE = F  
\* Model Uses NO WET DEPLETION. WETDPLT = F  
\* Stack-tip Downwash.

\* Model Accounts for ELEVated Terrain Effects.  
\* Use Calms Processing Routine.  
\* Use Missing Data Processing Routine.  
\* No Exponential Decay.  
\* Model Uses URBAN Dispersion Algorithm for the SBL for 125 Source(s),  
for Total of 1 Urban Area(s):  
Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m  
\* Urban Roughness Length of 1.0 Meter Used.  
\* ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET  
\* TEMP\_Sub - Meteorological data includes TEMP substitutions  
\* Model Assumes No FLAGPOLE Receptor Heights.  
\* The User Specified a Pollutant Type of: DPM

\*\*Model Calculates ANNUAL Averages Only

\*\*This Run Includes: 125 Source(s); 1 Source Group(s); and 46  
Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 125 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) = 481.00 ; 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: 14660 Construction.err

\*\*File for Summary of Results: 14660 Construction.sum

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 2

\*\*\* 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	(METERS)	(METERS)	(METERS)
ID		CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)								
VOL1		0	0.59320E-03	473320.7	3773336.4	309.0	5.00	11.79
1.40	YES	HRDOW						
VOL2		0	0.59320E-03	473320.3	3773286.7	309.0	5.00	11.79
1.40	YES	HRDOW						
VOL3		0	0.59320E-03	473370.8	3773336.0	309.7	5.00	11.79
1.40	YES	HRDOW						
VOL4		0	0.59320E-03	473371.6	3773286.2	309.7	5.00	11.79
1.40	YES	HRDOW						
VOL5		0	0.59320E-03	473422.1	3773336.1	310.0	5.00	11.79
1.40	YES	HRDOW						
VOL6		0	0.59320E-03	473422.1	3773286.2	309.7	5.00	11.79
1.40	YES	HRDOW						
VOL7		0	0.59320E-03	473472.6	3773336.4	310.0	5.00	11.79
1.40	YES	HRDOW						
VOL8		0	0.59320E-03	473472.6	3773285.6	309.6	5.00	11.79
1.40	YES	HRDOW						
VOL9		0	0.59320E-03	473523.1	3773336.4	310.0	5.00	11.79

1.40	YES	HRDOW							
VOL10		0	0.59320E-03	473523.1	3773286.2	309.7	5.00	11.79	
1.40	YES	HRDOW							
VOL11		0	0.59320E-03	473573.6	3773336.4	310.0	5.00	11.79	
1.40	YES	HRDOW							
VOL12		0	0.59320E-03	473573.6	3773285.9	310.0	5.00	11.79	
1.40	YES	HRDOW							
VOL13		0	0.59320E-03	473624.1	3773336.4	310.0	5.00	11.79	
1.40	YES	HRDOW							
VOL14		0	0.59320E-03	473624.5	3773285.9	310.0	5.00	11.79	
1.40	YES	HRDOW							
VOL15		0	0.59320E-03	473661.0	3773335.8	310.1	5.00	11.79	
1.40	YES	HRDOW							
VOL16		0	0.59320E-03	473660.7	3773285.3	310.0	5.00	11.79	
1.40	YES	HRDOW							
VOL17		0	0.59320E-03	473660.4	3773235.1	310.0	5.00	11.79	
1.40	YES	HRDOW							
L0000001		0	0.24050E-05	473281.7	3773264.2	308.7	3.49	6.51	
3.25	YES	HRDOW							
L0000002		0	0.24050E-05	473281.9	3773278.2	308.7	3.49	6.51	
3.25	YES	HRDOW							
L0000003		0	0.24050E-05	473282.1	3773292.2	308.8	3.49	6.51	
3.25	YES	HRDOW							
L0000004		0	0.24050E-05	473282.4	3773306.2	308.8	3.49	6.51	
3.25	YES	HRDOW							
L0000005		0	0.24050E-05	473282.6	3773320.2	308.8	3.49	6.51	
3.25	YES	HRDOW							
L0000006		0	0.24050E-05	473282.8	3773334.2	308.8	3.49	6.51	
3.25	YES	HRDOW							
L0000007		0	0.24050E-05	473283.1	3773348.2	308.8	3.49	6.51	
3.25	YES	HRDOW							
L0000008		0	0.24050E-05	473283.3	3773362.2	308.8	3.49	6.51	
3.25	YES	HRDOW							
L0000009		0	0.24050E-05	473283.5	3773376.2	308.8	3.49	6.51	
3.25	YES	HRDOW							
L0000010		0	0.24050E-05	473283.7	3773390.2	308.8	3.49	6.51	
3.25	YES	HRDOW							
L0000011		0	0.24050E-05	473284.0	3773404.2	308.8	3.49	6.51	
3.25	YES	HRDOW							
L0000012		0	0.24050E-05	473283.9	3773418.2	308.7	3.49	6.51	
3.25	YES	HRDOW							
L0000013		0	0.24050E-05	473283.7	3773432.2	308.3	3.49	6.51	
3.25	YES	HRDOW							
L0000014		0	0.24050E-05	473283.5	3773446.2	307.8	3.49	6.51	
3.25	YES	HRDOW							
L0000015		0	0.24050E-05	473283.4	3773460.2	307.8	3.49	6.51	
3.25	YES	HRDOW							
L0000016		0	0.24050E-05	473283.2	3773474.2	307.8	3.49	6.51	
3.25	YES	HRDOW							
L0000017		0	0.24050E-05	473283.0	3773488.2	307.6	3.49	6.51	



3.25	YES	HRDOW	L0000018	0	0.24050E-05	473282.8	3773502.2	307.3	3.49	6.51
3.25	YES	HRDOW	L0000019	0	0.24050E-05	473282.7	3773516.2	307.9	3.49	6.51
3.25	YES	HRDOW	L0000020	0	0.24050E-05	473282.5	3773530.2	308.8	3.49	6.51
3.25	YES	HRDOW	L0000021	0	0.24050E-05	473282.3	3773544.2	309.4	3.49	6.51
3.25	YES	HRDOW	L0000022	0	0.24050E-05	473282.2	3773558.2	309.8	3.49	6.51
3.25	YES	HRDOW	L0000023	0	0.24050E-05	473282.0	3773572.2	310.0	3.49	6.51

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\*            11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*            08:26:16

PAGE 3

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

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

INIT.	URBAN	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.		
SZ	SOURCE	EMISSION	RATE		X	Y	ELEV.	HEIGHT	SY	
(METERS)	ID	SCALAR	VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
		CATS.	BY							
L0000024	0	0.24050E-05	473279.4	3773583.7	310.0	3.49	6.51			
3.25	YES	HRDOW	L0000025	0	0.24050E-05	473265.4	3773583.7	310.0	3.49	6.51
3.25	YES	HRDOW	L0000026	0	0.24050E-05	473251.4	3773583.7	310.3	3.49	6.51
3.25	YES	HRDOW	L0000027	0	0.24050E-05	473237.4	3773583.8	310.8	3.49	6.51
3.25	YES	HRDOW	L0000028	0	0.24050E-05	473223.4	3773583.8	311.1	3.49	6.51
3.25	YES	HRDOW	L0000029	0	0.24050E-05	473209.4	3773583.8	311.4	3.49	6.51
3.25	YES	HRDOW	L0000030	0	0.24050E-05	473195.4	3773583.8	311.6	3.49	6.51
3.25	YES	HRDOW	L0000031	0	0.24050E-05	473181.4	3773583.8	311.8	3.49	6.51
3.25	YES	HRDOW	L0000032	0	0.24050E-05	473167.4	3773583.8	312.1	3.49	6.51

3.25	YES	HRDOW							
L0000033		0	0.24050E-05	473153.4	3773583.8	312.3	3.49	6.51	
3.25	YES	HRDOW							
L0000034		0	0.24050E-05	473139.4	3773583.8	312.6	3.49	6.51	
3.25	YES	HRDOW							
L0000035		0	0.24050E-05	473125.4	3773583.9	312.8	3.49	6.51	
3.25	YES	HRDOW							
L0000036		0	0.24050E-05	473111.4	3773583.9	313.0	3.49	6.51	
3.25	YES	HRDOW							
L0000037		0	0.24050E-05	473097.4	3773583.9	313.0	3.49	6.51	
3.25	YES	HRDOW							
L0000038		0	0.24050E-05	473083.4	3773583.9	313.0	3.49	6.51	
3.25	YES	HRDOW							
L0000039		0	0.24050E-05	473069.4	3773583.9	313.3	3.49	6.51	
3.25	YES	HRDOW							
L0000040		0	0.24050E-05	473055.4	3773583.9	313.8	3.49	6.51	
3.25	YES	HRDOW							
L0000041		0	0.24050E-05	473041.4	3773583.9	314.0	3.49	6.51	
3.25	YES	HRDOW							
L0000042		0	0.24050E-05	473027.4	3773583.9	314.0	3.49	6.51	
3.25	YES	HRDOW							
L0000043		0	0.24050E-05	473013.4	3773584.0	314.1	3.49	6.51	
3.25	YES	HRDOW							
L0000044		0	0.24050E-05	472999.4	3773584.0	314.4	3.49	6.51	
3.25	YES	HRDOW							
L0000045		0	0.24050E-05	472985.4	3773584.1	314.7	3.49	6.51	
3.25	YES	HRDOW							
L0000046		0	0.24050E-05	472971.4	3773584.3	314.8	3.49	6.51	
3.25	YES	HRDOW							
L0000047		0	0.24050E-05	472957.4	3773584.5	315.1	3.49	6.51	
3.25	YES	HRDOW							
L0000048		0	0.24050E-05	472943.4	3773584.6	315.3	3.49	6.51	
3.25	YES	HRDOW							
L0000049		0	0.24050E-05	472929.4	3773584.8	315.6	3.49	6.51	
3.25	YES	HRDOW							
L0000050		0	0.24050E-05	472915.4	3773585.0	315.6	3.49	6.51	
3.25	YES	HRDOW							
L0000051		0	0.24050E-05	472901.4	3773585.2	315.6	3.49	6.51	
3.25	YES	HRDOW							
L0000052		0	0.24050E-05	472887.4	3773585.4	315.8	3.49	6.51	
3.25	YES	HRDOW							
L0000053		0	0.24050E-05	472873.4	3773585.6	316.0	3.49	6.51	
3.25	YES	HRDOW							
L0000054		0	0.24050E-05	472859.4	3773585.8	316.0	3.49	6.51	
3.25	YES	HRDOW							
L0000055		0	0.24050E-05	472845.4	3773586.0	316.0	3.49	6.51	
3.25	YES	HRDOW							
L0000056		0	0.24050E-05	472831.4	3773586.2	316.2	3.49	6.51	
3.25	YES	HRDOW							
L0000057		0	0.24050E-05	472817.4	3773586.4	316.5	3.49	6.51	

3.25	YES	HRDOW	L0000058	0	0.24050E-05	472803.4	3773586.6	316.7	3.49	6.51
3.25	YES	HRDOW	L0000059	0	0.24050E-05	472789.4	3773586.7	316.7	3.49	6.51
3.25	YES	HRDOW	L0000060	0	0.24050E-05	472775.4	3773586.9	316.7	3.49	6.51
3.25	YES	HRDOW	L0000061	0	0.24050E-05	472761.4	3773587.0	316.9	3.49	6.51
3.25	YES	HRDOW	L0000062	0	0.24050E-05	472747.4	3773587.1	317.0	3.49	6.51
3.25	YES	HRDOW	L0000063	0	0.24050E-05	472733.4	3773587.3	317.0	3.49	6.51

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\*            11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*            08:26:16

PAGE 4

\*\*\* MODELOPTs:      RegDEFAULT    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								
L0000064		0	0.24050E-05	472719.4	3773587.4	317.0	3.49	6.51		
3.25	YES	HRDOW	L0000065	0	0.24050E-05	472705.4	3773587.5	317.3	3.49	6.51
3.25	YES	HRDOW	L0000066	0	0.24050E-05	472691.4	3773587.7	317.7	3.49	6.51
3.25	YES	HRDOW	L0000067	0	0.24050E-05	472677.4	3773587.8	317.7	3.49	6.51
3.25	YES	HRDOW	L0000068	0	0.24050E-05	472663.4	3773587.9	317.7	3.49	6.51
3.25	YES	HRDOW	L0000069	0	0.24050E-05	472649.4	3773588.1	317.7	3.49	6.51
3.25	YES	HRDOW	L0000070	0	0.24050E-05	472635.4	3773588.2	317.7	3.49	6.51
3.25	YES	HRDOW	L0000071	0	0.24050E-05	472621.4	3773588.3	317.7	3.49	6.51
3.25	YES	HRDOW	L0000072	0	0.24050E-05	472607.4	3773588.5	317.7	3.49	6.51

3.25	YES	HRDOW							
L0000073		0	0.24050E-05	472593.4	3773588.6	317.7	3.49	6.51	
3.25	YES	HRDOW							
L0000074		0	0.24050E-05	472579.4	3773588.7	317.8	3.49	6.51	
3.25	YES	HRDOW							
L0000075		0	0.24050E-05	472565.4	3773588.9	317.8	3.49	6.51	
3.25	YES	HRDOW							
L0000076		0	0.24050E-05	472551.4	3773589.0	317.9	3.49	6.51	
3.25	YES	HRDOW							
L0000077		0	0.24050E-05	472537.4	3773589.1	318.0	3.49	6.51	
3.25	YES	HRDOW							
L0000078		0	0.24050E-05	472523.4	3773589.3	318.0	3.49	6.51	
3.25	YES	HRDOW							
L0000079		0	0.24050E-05	472509.4	3773589.4	318.0	3.49	6.51	
3.25	YES	HRDOW							
L0000080		0	0.24050E-05	472495.4	3773589.5	318.4	3.49	6.51	
3.25	YES	HRDOW							
L0000081		0	0.24050E-05	472481.4	3773589.7	318.7	3.49	6.51	
3.25	YES	HRDOW							
L0000082		0	0.24050E-05	472467.4	3773589.8	318.9	3.49	6.51	
3.25	YES	HRDOW							
L0000083		0	0.24050E-05	472453.4	3773589.9	319.0	3.49	6.51	
3.25	YES	HRDOW							
L0000084		0	0.24050E-05	472439.4	3773589.7	319.0	3.49	6.51	
3.25	YES	HRDOW							
L0000085		0	0.24050E-05	472425.4	3773589.5	319.0	3.49	6.51	
3.25	YES	HRDOW							
L0000086		0	0.24050E-05	472411.4	3773589.3	319.3	3.49	6.51	
3.25	YES	HRDOW							
L0000087		0	0.24050E-05	472397.4	3773589.1	319.7	3.49	6.51	
3.25	YES	HRDOW							
L0000088		0	0.24050E-05	472383.4	3773588.9	320.0	3.49	6.51	
3.25	YES	HRDOW							
L0000089		0	0.24050E-05	472369.4	3773588.7	320.0	3.49	6.51	
3.25	YES	HRDOW							
L0000090		0	0.24050E-05	472355.5	3773588.5	320.1	3.49	6.51	
3.25	YES	HRDOW							
L0000091		0	0.24050E-05	472341.5	3773588.3	320.6	3.49	6.51	
3.25	YES	HRDOW							
L0000092		0	0.24050E-05	472327.5	3773588.1	321.0	3.49	6.51	
3.25	YES	HRDOW							
L0000093		0	0.24050E-05	472313.5	3773587.9	321.0	3.49	6.51	
3.25	YES	HRDOW							
L0000094		0	0.24050E-05	472299.5	3773587.7	321.0	3.49	6.51	
3.25	YES	HRDOW							
L0000095		0	0.24050E-05	472285.5	3773587.5	321.5	3.49	6.51	
3.25	YES	HRDOW							
L0000096		0	0.24050E-05	472271.5	3773587.3	321.9	3.49	6.51	
3.25	YES	HRDOW							
L0000097		0	0.24050E-05	472257.5	3773587.2	322.0	3.49	6.51	

3.25	YES	HRDOW	L0000098	0	0.24050E-05	472243.5	3773587.0	322.0	3.49	6.51
3.25	YES	HRDOW	L0000099	0	0.24050E-05	472229.5	3773586.8	322.3	3.49	6.51
3.25	YES	HRDOW	L0000100	0	0.24050E-05	472215.5	3773586.6	322.8	3.49	6.51
3.25	YES	HRDOW	L0000101	0	0.24050E-05	472201.5	3773586.4	323.0	3.49	6.51
3.25	YES	HRDOW	L0000102	0	0.24050E-05	472187.5	3773586.2	323.0	3.49	6.51
3.25	YES	HRDOW	L0000103	0	0.24050E-05	472173.5	3773586.0	323.0	3.49	6.51

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\*            11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*            08:26:16

PAGE 5

\*\*\* MODELOPTs:      RegDEFAULT    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						

L0000104	0	0.24050E-05	472159.5	3773585.8	323.0	3.49	6.51			
3.25	YES	HRDOW	L0000105	0	0.24050E-05	472145.5	3773585.6	323.0	3.49	6.51
3.25	YES	HRDOW	L0000106	0	0.24050E-05	472131.5	3773585.4	323.0	3.49	6.51
3.25	YES	HRDOW	L0000107	0	0.24050E-05	472117.5	3773585.2	322.9	3.49	6.51
3.25	YES	HRDOW	L0000108	0	0.24050E-05	472103.5	3773585.0	322.5	3.49	6.51

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\*            11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*            08:26:16

PAGE 6

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

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs					
-----	-----					
ALL VOL6	VOL1 , VOL7	, VOL2 , VOL8	, VOL3 ,	, VOL4	, VOL5	,
VOL14	VOL9 , VOL15	, VOL10 , VOL16	, VOL11 ,	, VOL12	, VOL13	,
L0000005	VOL17 , L0000006	, L0000001 , L0000007	, L0000002 ,	, L0000003	, L0000004	,
L0000013	L0000008 , L0000014	, L0000009 , L0000015	, L0000010 ,	, L0000011	, L0000012	,
L0000021	L0000016 , L0000022	, L0000017 , L0000023	, L0000018 ,	, L0000019	, L0000020	,
L0000029	L0000024 , L0000030	, L0000025 , L0000031	, L0000026 ,	, L0000027	, L0000028	,
L0000037	L0000032 , L0000038	, L0000033 , L0000039	, L0000034 ,	, L0000035	, L0000036	,
L0000045	L0000040 , L0000046	, L0000041 , L0000047	, L0000042 ,	, L0000043	, L0000044	,
L0000053	L0000048 , L0000054	, L0000049 , L0000055	, L0000050 ,	, L0000051	, L0000052	,
L0000061	L0000056 , L0000062	, L0000057 , L0000063	, L0000058 ,	, L0000059	, L0000060	,
L0000069	L0000064 , L0000070	, L0000065 , L0000071	, L0000066 ,	, L0000067	, L0000068	,
L0000077	L0000072 , L0000078	, L0000073 , L0000079	, L0000074 ,	, L0000075	, L0000076	,
L0000085	L0000080 , L0000086	, L0000081 , L0000087	, L0000082 ,	, L0000083	, L0000084	,
L0000093	L0000088 , L0000094	, L0000089 , L0000095	, L0000090 ,	, L0000091	, L0000092	,

L0000096 , L0000097 , L0000098 , L0000099 , L0000100 ,  
L0000101 , L0000102 , L0000103 ,

L0000104 , L0000105 , L0000106 , L0000107 , L0000108 ,  
▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 7

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

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

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs			
-----	-----	-----	-----	-----	-----
VOL5	2035210.	VOL1	, VOL2	, VOL3	, VOL4
VOL8	, VOL6	, VOL7	,		
	,				
VOL14	VOL9	, VOL10	, VOL11	, VOL12	, VOL13
	, VOL15	, VOL16	,		
L0000005	VOL17	, L0000001	, L0000002	, L0000003	, L0000004
	, L0000006	, L0000007	,		
L0000013	L0000008	, L0000009	, L0000010	, L0000011	, L0000012
	, L0000014	, L0000015	,		
L0000021	L0000016	, L0000017	, L0000018	, L0000019	, L0000020
	, L0000022	, L0000023	,		
L0000029	L0000024	, L0000025	, L0000026	, L0000027	, L0000028
	, L0000030	, L0000031	,		
L0000037	L0000032	, L0000033	, L0000034	, L0000035	, L0000036
	, L0000038	, L0000039	,		
L0000045	L0000040	, L0000041	, L0000042	, L0000043	, L0000044
	, L0000046	, L0000047	,		
L0000053	L0000048	, L0000049	, L0000050	, L0000051	, L0000052
	, L0000054	, L0000055	,		
	L0000056	, L0000057	, L0000058	, L0000059	, L0000060

L000061 , L000062 , L000063 ,  
 L000069 , L000070 , L000071 ,  
 L000077 , L000078 , L000079 ,  
 L000085 , L000086 , L000087 ,  
 L000093 , L000094 , L000095 ,  
 L000101 , L000102 , L000103 ,  
 L000104 , L000105 , L000106 , L000107 , L000108 ,

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 8

\*\*\* MODELOPTs: RegDEFAULT 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
^ *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 9

\*\*\* MODELOPTs: RegDEFAULT 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
^ *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 10

\*\*\* MODELOPTs: RegDEFAULT 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

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

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

DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 11

\*\*\* MODELOPTs: RegDEFAULT 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

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 12

\*\*\* 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  
 ^ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 13

\*\*\* MODELOPTs: RegDEFAULT 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

^ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 14

\*\*\* MODELOPTs: RegDEFAULT 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

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 15

\*\*\* 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					

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\*      11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      08:26:16

PAGE 16

\*\*\* MODELOPTs:      RegDFault    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  
 \*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 17

\*\*\* 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				

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 18

\*\*\* MODELOPTs: RegDEFAULT 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
------	--------	------	--------	------	--------	------	--------	------	--------

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
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\14660  
 S Arrowhead\14660 Ops\146 \*\*\*      11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      08:26:16

PAGE 19

\*\*\* 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
------	--------	------	--------	------	--------	------	--------	------	--------

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
---	-----------	---	-----------	---	-----------	---	-----------	---	-----------



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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 20

\*\*\* 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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660

S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 21

\*\*\* MODELOPTs: RegDFault 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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 22

\*\*\* 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 HOUR SCALAR

```

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

```

```

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

```

```

DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 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\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 23

\*\*\* MODELOPTs: RegDFault 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

```

```

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

```

```

DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00

```

14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 24

\*\*\* MODELOPTs: RegDFault 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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*

\*\*\* 08:26:16

PAGE 25

\*\*\* MODELOPTs: RegDEFAULT 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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 26

\*\*\* MODELOPTs: RegDEFAULT 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				

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\*      11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      08:26:16

PAGE 27

\*\*\* 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
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
^ *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 ***      11/11/22
*** AERMET - VERSION 16216 *** ***
***                                08:26:16

```

PAGE 28

\*\*\* 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

```

```

^ *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 ***      11/11/22
*** AERMET - VERSION 16216 *** ***
***                                08:26:16

```

\*\*\* MODELOPTs: RegDEFAULT 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				

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\*      11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      08:26:16

\*\*\* MODELOPTs: RegDEFAULT 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

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 31

\*\*\* 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

-----  
 -----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 32

\*\*\* 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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 33

\*\*\* MODELOPTs: RegDEFAULT 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

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 34

\*\*\* 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  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

-----  
 DAY OF WEEK = WEEKDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01

14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 35

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

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

SOURCE ID = L0000011 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 36

\*\*\* 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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 37

\*\*\* MODELOPTs: RegDEFAULT 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

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

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

DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 38

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

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

SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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

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

DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 39

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

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

SOURCE ID = L000015 ; 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\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 40

\*\*\* 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
-----									
DAY OF WEEK = WEEKDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01
14	.1000E+01	15	.1000E+01	16	.1000E+01				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SATURDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00				
DAY OF WEEK = SUNDAY									
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
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\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 41

\*\*\* 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

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

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

DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 42

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

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

SOURCE ID = L000018 ; 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\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 43

\*\*\* 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

```

-----

DAY OF WEEK = WEEKDAY

```

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

```

DAY OF WEEK = SATURDAY

```

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

```

DAY OF WEEK = SUNDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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\14660  
 S Arrowhead\14660 Ops\146 \*\*\*            11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*            08:26:16

PAGE 44

\*\*\* MODELOPTs:    RegDFault    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
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01
11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01
16	.1000E+01	17	.0000E+00	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		

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\*            11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*            08:26:16

PAGE 45

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

HOUR SCALAR HOUR SCALAR HOUR SCALAR

```

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

```

```

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

```

```

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 46

\*\*\* 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

```

```

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

```

```

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00

```

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 47

\*\*\* 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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22

\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 08:26:16

PAGE 48

\*\*\* 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				

\*\*\* AERMOD - VERSION 22112 \*\*\*  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 08:26:16

PAGE 49

\*\*\* MODELOPTs: RegDFault 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

-----  
-----

```

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

```

```

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

```

```

DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 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\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 50

\*\*\* 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

```

```

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

```

```

DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

```

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 51

\*\*\* 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

-----  
-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16



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

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

SOURCE ID = L000028 ; 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\14660
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 08:26:16

\*\*\* MODELOPTs: RegDEFAULT 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	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\14660  
 S Arrowhead\14660 Ops\146 \*\*\*      11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      08:26:16

PAGE 54

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

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

SOURCE ID = L0000030            ; SOURCE TYPE = VOLUME            ;  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR

-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

```

                                DAY OF WEEK = SUNDAY
      1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
    6 .0000E+00   7 .0000E+00   8 .0000E+00
      9 .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00
   14 .0000E+00  15 .0000E+00  16 .0000E+00
      17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
   22 .0000E+00  23 .0000E+00  24 .0000E+00
  ^ *** AERMOD - VERSION 22112 ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 ***       11/11/22
   *** AERMET - VERSION 16216 ***   ***
                                ***
                                08:26:16

```

PAGE 55

```

*** MODELOPTs:  RegDFault  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
  -----
  -----

```

```

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

```

```

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

```

```

                                DAY OF WEEK = SUNDAY
      1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
    6 .0000E+00   7 .0000E+00   8 .0000E+00
      9 .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00
   14 .0000E+00  15 .0000E+00  16 .0000E+00
      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\14660
S Arrowhead\14660 Ops\146 ***       11/11/22
   *** AERMET - VERSION 16216 ***   ***
                                ***
                                08:26:16

```

PAGE 56

\*\*\* MODELOPTs: RegDEFAULT 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

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 57

\*\*\* MODELOPTs: RegDEFAULT 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

-----  
DAY OF WEEK = WEEKDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01  
 14 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 58

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

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

SOURCE ID = L0000034 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

```

6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 59

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

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

```

SOURCE ID = L0000035 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR
-----

```

```

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

```

```

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

```

```

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 60

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

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

SOURCE ID = L000036 ; 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

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 61

\*\*\* 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

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 62

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

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

SOURCE ID = L000038 ; 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 63

\*\*\* MODELOPTs: RegDEFAULT 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

^ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 64

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

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

SOURCE ID = L000040 ; 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 65

\*\*\* 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					

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\*      11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      08:26:16

PAGE 66

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

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

SOURCE ID = L000042      ; 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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 67

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

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

SOURCE ID = L000043 ; 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				

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 68

\*\*\* 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	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
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\14660  
 S Arrowhead\14660 Ops\146 \*\*\*      11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      08:26:16

PAGE 69

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

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

SOURCE ID = L000045      ; 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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 70

\*\*\* MODELOPTs: RegDEFAULT 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

-----  
-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660

S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 71

\*\*\* MODELOPTs: RegDFault 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

DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 72

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

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

SOURCE ID = L000048 ; 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 73

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

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

SOURCE ID = L000049 ; 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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 74

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

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

SOURCE ID = L000050 ; 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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*

\*\*\* 08:26:16

PAGE 75

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

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

SOURCE ID = L000051 ; 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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 76

\*\*\* MODELOPTs: RegDEFAULT 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

-----  
-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
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\14660  
 S Arrowhead\14660 Ops\146 \*\*\*      11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      08:26:16

PAGE 77

\*\*\* 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
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
^ *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 ***      11/11/22
*** AERMET - VERSION 16216 *** ***
***                                08:26:16

```

PAGE 78

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

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

```

SOURCE ID = L0000054 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

```

-----

```

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

```

```

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

```

```

                                DAY OF WEEK = SUNDAY
    1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
    9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
    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\14660
S Arrowhead\14660 Ops\146 ***      11/11/22
*** AERMET - VERSION 16216 *** ***
***                                08:26:16

```

\*\*\* MODELOPTs: RegDEFAULT 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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*
\*\*\* 08:26:16

\*\*\* MODELOPTs: RegDEFAULT 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

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 81

\*\*\* 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

-----  
 -----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 82

\*\*\* 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

```

^ *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 83

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

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

SOURCE ID = L0000059 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

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

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

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

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 84

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

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

SOURCE ID = L0000060 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

-----  
 DAY OF WEEK = WEEKDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01



14 .1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 85

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

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

SOURCE ID = L0000061 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
 22 .0000E+00 23 .0000E+00 24 .0000E+00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 86

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

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

SOURCE ID = L0000062 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

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

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

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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 87

\*\*\* MODELOPTs: RegDEFAULT 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

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 88

\*\*\* 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

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

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

DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 89

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

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

SOURCE ID = L000065 ; 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\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 90

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

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

```

SOURCE ID = L0000066 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR
-----
                                     DAY OF WEEK = WEEKDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01
14 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                     DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
                                     DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00
22 .0000E+00 23 .0000E+00 24 .0000E+00
^ *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 91

\*\*\* 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

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

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

DAY OF WEEK = SUNDAY  
 1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
 6 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
 14 .0000E+00 15 .0000E+00 16 .0000E+00  
 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 92

\*\*\* 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

```

```

*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 ***      11/11/22
*** AERMET - VERSION 16216 ***      ***
***                                     08:26:16

```

PAGE 93

\*\*\* MODELOPTs: RegDFault 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

```

-----

DAY OF WEEK = WEEKDAY

```

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

```

DAY OF WEEK = SATURDAY

```

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

```

DAY OF WEEK = SUNDAY

```

1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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\14660  
 S Arrowhead\14660 Ops\146 \*\*\*            11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*            08:26:16

PAGE 94

\*\*\* 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

-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
	9 .0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
	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\14660  
 S Arrowhead\14660 Ops\146 \*\*\*            11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*            08:26:16

PAGE 95

\*\*\* 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

```

```

^ *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 96

\*\*\* 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
  HOUR SCALAR HOUR SCALAR HOUR SCALAR

```

```

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

```

```

DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00

```

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00  
22 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 97

\*\*\* 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  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22

\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 08:26:16

PAGE 98

\*\*\* 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  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00
6	.0000E+00	7	.0000E+00	8	.0000E+00				
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00				
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 08:26:16

PAGE 99

\*\*\* MODELOPTs: RegDFault 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

-----  
-----

```

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

```

```

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

```

```

DAY OF WEEK = SUNDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
 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\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 100

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

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

```

SOURCE ID = L0000076 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR

```

```

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

```

```

DAY OF WEEK = SATURDAY
  1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00
6 .0000E+00  7 .0000E+00  8 .0000E+00
  9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00

```

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 101

\*\*\* 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

-----  
-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

\*\*\* MODELOPTs: RegDEFAULT 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

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

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

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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\14660
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 08:26:16

\*\*\* MODELOPTs: RegDEFAULT 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	
6	.0000E+00	7	.0000E+00	8	.0000E+00					
	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00
14	.0000E+00	15	.0000E+00	16	.0000E+00					
	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\14660  
 S Arrowhead\14660 Ops\146 \*\*\*      11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      08:26:16

PAGE 104

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

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

SOURCE ID = L0000080            ; SOURCE TYPE = VOLUME            ;  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR

-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

```

                                DAY OF WEEK = SUNDAY
      1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00
 6 .0000E+00    7 .0000E+00    8 .0000E+00
      9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00
 14 .0000E+00   15 .0000E+00   16 .0000E+00
      17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
 22 .0000E+00  23 .0000E+00  24 .0000E+00
  ^ *** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 ***      11/11/22
  *** AERMET - VERSION 16216 ***      ***
                                ***
                                08:26:16

```

PAGE 105

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

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

```

SOURCE ID = L000081 ; 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\14660
S Arrowhead\14660 Ops\146 ***      11/11/22
  *** AERMET - VERSION 16216 ***      ***
                                ***
                                08:26:16

```

PAGE 106



\*\*\* MODELOPTs: RegDEFAULT 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

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

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

DAY OF WEEK = SUNDAY  
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00  
6 .0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00  
14 .0000E+00 15 .0000E+00 16 .0000E+00  
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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 107

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

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

SOURCE ID = L000083 ; 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 108

\*\*\* MODELOPTs: RegDFault 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

```

6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 109

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

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

```

SOURCE ID = L000085 ; 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\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 110

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

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

SOURCE ID = L0000086 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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

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

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

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 111

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

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

SOURCE ID = L0000087 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 112

\*\*\* 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 113

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

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

SOURCE ID = L000089 ; 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 114

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

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

SOURCE ID = L000090 ; 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 115

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

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

SOURCE ID = L000091 ; 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\*      11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      08:26:16

PAGE 116

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

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

SOURCE ID = L000092    ; 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 117

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

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

SOURCE ID = L000093 ; 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
DAY OF WEEK = SATURDAY											
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY											
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	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\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 118

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

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

SOURCE ID = L000094 ; 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				

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\*      11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      08:26:16

PAGE 119

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

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

SOURCE ID = L000095      ; 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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 120

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

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

SOURCE ID = L000096 ; 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\14660

S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 121

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

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

SOURCE ID = L000097 ; 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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 122

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

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

SOURCE ID = L000098 ; 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\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 123

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

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

```

SOURCE ID = L000099 ; 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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

PAGE 124

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

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

SOURCE ID = L000100 ; 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\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*

\*\*\* 08:26:16

PAGE 125

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

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

SOURCE ID = L0000101 ; 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\14660
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22

\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 08:26:16

PAGE 126

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

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

SOURCE ID = L0000102 ; 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\14660  
 S Arrowhead\14660 Ops\146 \*\*\*      11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      08:26:16

PAGE 127

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

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

SOURCE ID = L0000103      ; SOURCE TYPE = VOLUME      :  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR

-----  
 -----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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



```

22 .0000E+00  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SUNDAY
   1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00
  6 .0000E+00   7 .0000E+00   8 .0000E+00
   9 .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00
 14 .0000E+00  15 .0000E+00  16 .0000E+00
  17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00
 22 .0000E+00  23 .0000E+00  24 .0000E+00
^ *** AERMOD - VERSION 22112 ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 ***     11/11/22
   *** AERMET - VERSION 16216 ***   ***
                                     ***
                                     08:26:16

```

PAGE 128

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

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

```

SOURCE ID = L0000104 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
  HOUR SCALAR HOUR SCALAR HOUR SCALAR

```

-----

```

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

```

```

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

```

```

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

```

```

^ *** AERMOD - VERSION 22112 ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 ***     11/11/22
   *** AERMET - VERSION 16216 ***   ***
                                     ***
                                     08:26:16

```

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

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

SOURCE ID = L0000105 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

-----
-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*
\*\*\* 08:26:16

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

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

SOURCE ID = L0000106 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
HOUR SCALAR HOUR SCALAR HOUR SCALAR

-----
-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 08:26:16

PAGE 131

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

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

SOURCE ID = L0000107 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR

-----  
 -----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00
6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00
14 .0000E+00 15 .0000E+00 16 .0000E+00
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\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 132

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

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

SOURCE ID = L0000108 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR  
HOUR SCALAR HOUR SCALAR HOUR SCALAR

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

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

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

```

^ *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 *** 11/11/22
*** AERMET - VERSION 16216 *** ***
*** 08:26:16

```

PAGE 133

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

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

( 473663.7, 3773394.1, 311.0, 311.0, 0.0);	( 473682.3,
3773394.3, 311.0, 311.0, 0.0);	
( 473636.7, 3773420.7, 311.0, 311.0, 0.0);	( 473619.7,
3773421.1, 311.0, 311.0, 0.0);	
( 473597.7, 3773420.9, 310.3, 310.3, 0.0);	( 473581.2,
3773421.1, 310.0, 310.0, 0.0);	
( 473715.2, 3773322.1, 310.9, 310.9, 0.0);	( 473714.4,
3773353.7, 311.0, 311.0, 0.0);	
( 473478.0, 3773391.7, 310.0, 310.0, 0.0);	( 473444.9,
3773391.0, 310.0, 310.0, 0.0);	
( 473728.5, 3773394.8, 311.0, 311.0, 0.0);	( 473718.6,
3773398.9, 311.0, 311.0, 0.0);	
( 473744.7, 3773399.4, 311.0, 311.0, 0.0);	( 473758.6,
3773395.3, 311.0, 311.0, 0.0);	
( 473722.2, 3773215.0, 310.0, 310.0, 0.0);	( 473737.2,
3773228.3, 310.0, 310.0, 0.0);	
( 473515.0, 3773246.4, 309.0, 309.0, 0.0);	( 473486.9,
3773246.2, 309.0, 309.0, 0.0);	
( 473448.2, 3773246.7, 309.0, 309.0, 0.0);	( 473575.3,
3773218.8, 309.2, 309.2, 0.0);	
( 473377.2, 3773201.8, 309.0, 309.0, 0.0);	( 473262.1,
3773247.4, 308.1, 308.1, 0.0);	
( 473262.0, 3773210.6, 308.0, 308.0, 0.0);	( 473616.2,
3773146.9, 309.0, 309.0, 0.0);	
( 474044.8, 3773332.1, 312.0, 312.0, 0.0);	( 474044.4,
3773281.8, 312.0, 312.0, 0.0);	
( 474039.6, 3773269.7, 312.0, 312.0, 0.0);	( 474044.8,
3773239.9, 312.0, 312.0, 0.0);	
( 474039.1, 3773212.1, 311.2, 311.2, 0.0);	( 473829.0,
3773235.0, 310.9, 310.9, 0.0);	
( 473875.3, 3773212.8, 311.0, 311.0, 0.0);	( 473716.9,
3773177.0, 310.0, 310.0, 0.0);	
( 473786.5, 3773130.0, 310.0, 310.0, 0.0);	( 473356.3,
3773392.7, 309.2, 309.2, 0.0);	
( 473266.0, 3773403.3, 308.2, 308.2, 0.0);	( 473265.5,
3773435.0, 307.6, 307.6, 0.0);	
( 473265.1, 3773318.9, 308.2, 308.2, 0.0);	( 473270.6,
3773601.2, 310.2, 310.2, 0.0);	
( 473200.3, 3773601.7, 312.0, 312.0, 0.0);	( 473254.8,
3773565.2, 310.2, 310.2, 0.0);	
( 473167.9, 3773567.3, 312.0, 312.0, 0.0);	( 473148.6,
3773567.5, 312.0, 312.0, 0.0);	
( 473107.3, 3773603.8, 313.0, 313.0, 0.0);	( 473101.5,
3773567.0, 313.0, 313.0, 0.0);	
( 473595.3, 3772510.5, 306.0, 306.0, 0.0);	( 473357.2,

3773202.2, 309.0, 309.0, 0.0);  
↑ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

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

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

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

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

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

1.54, 3.09, 5.14, 8.23, 10.80,  
↑ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
S Arrowhead\14660 Ops\146 \*\*\* 11/11/22  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 08:26:16

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

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

Surface file: RDLD\_V9\_ADJU\RDLD\_v9.SFC  
 Met Version: 16216  
 Profile file: RDLD\_V9\_ADJU\RDLD\_v9.PFL

Surface format: FREE

Profile format: FREE

Surface station no.: 3171  
 Name: UNKNOWN

Upper air station no.: 3190  
 Name: UNKNOWN

Year: 2012

Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN
ALBEDO	REF	WS	WD	HT	REF	TA	HT							
12	01	01	1	01	-10.6	0.149	-9.000	-9.000	-999.	138.	26.7	0.32	3.22	
1.00	1.30	110.		9.1	285.4	5.5								
12	01	01	1	02	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	
1.00	0.90	130.		9.1	284.5	5.5								
12	01	01	1	03	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	
1.00	0.90	100.		9.1	285.0	5.5								
12	01	01	1	04	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	
1.00	0.90	107.		9.1	284.6	5.5								
12	01	01	1	05	-10.7	0.149	-9.000	-9.000	-999.	138.	26.7	0.32	3.22	
1.00	1.30	98.		9.1	284.9	5.5								
12	01	01	1	06	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	
1.00	0.90	86.		9.1	284.5	5.5								
12	01	01	1	07	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22	
1.00	0.90	91.		9.1	284.0	5.5								
12	01	01	1	08	-4.0	0.102	-9.000	-9.000	-999.	78.	22.9	0.32	3.22	
0.54	0.90	107.		9.1	285.0	5.5								
12	01	01	1	09	44.6	0.237	0.382	0.006	43.	276.	-25.6	0.15	3.22	
0.33	2.10	81.		10.1	289.1	5.5								
12	01	01	1	10	134.3	0.111	0.882	0.008	176.	99.	-1.0	0.32	3.22	
0.26	0.40	72.		9.1	295.1	5.5								
12	01	01	1	11	199.8	0.409	1.429	0.005	503.	627.	-29.4	0.15	3.22	
0.23	3.68	78.		10.1	297.9	5.5								
12	01	01	1	12	232.3	0.300	1.889	0.005	999.	402.	-10.0	0.32	3.22	
0.22	1.80	333.		9.1	299.4	5.5								
12	01	01	1	13	230.0	0.300	2.134	0.005	1453.	394.	-10.1	0.32	3.22	
0.22	1.80	72.		9.1	300.4	5.5								
12	01	01	1	14	194.0	0.294	2.109	0.005	1663.	382.	-11.2	0.32	3.22	
0.24	1.80	277.		9.1	301.0	5.5								
12	01	01	1	15	126.3	0.378	1.872	0.005	1784.	557.	-36.5	0.32	3.22	
0.27	2.70	243.		9.1	301.0	5.5								
12	01	01	1	16	39.5	0.199	1.278	0.005	1817.	240.	-17.2	0.32	3.22	

```

0.36  1.30  274.  9.1  300.1  5.5
  12 01 01  1 17  -4.7  0.101 -9.000 -9.000 -999.  85.  19.0  0.32  3.22
0.65  0.90  252.  9.1  298.2  5.5
  12 01 01  1 18  -4.9  0.102 -9.000 -9.000 -999.  78.  18.2  0.32  3.22
1.00  0.90  116.  9.1  296.4  5.5
  12 01 01  1 19 -18.8  0.204 -9.000 -9.000 -999. 220.  45.6  0.15  3.22
1.00  2.27  79.  10.1  292.2  5.5
  12 01 01  1 20  -5.0  0.102 -9.000 -9.000 -999.  83.  18.1  0.32  3.22
1.00  0.90  95.  9.1  290.2  5.5
  12 01 01  1 21  -5.0  0.102 -9.000 -9.000 -999.  78.  18.0  0.32  3.22
1.00  0.90  99.  9.1  287.8  5.5
  12 01 01  1 22  -5.0  0.102 -9.000 -9.000 -999.  78.  18.0  0.32  3.22
1.00  0.90  110.  9.1  287.6  5.5
  12 01 01  1 23 -10.6  0.149 -9.000 -9.000 -999. 138.  26.8  0.32  3.22
1.00  1.30  89.  9.1  287.2  5.5
  12 01 01  1 24  -5.0  0.102 -9.000 -9.000 -999.  78.  17.9  0.32  3.22
1.00  0.90  105.  9.1  285.9  5.5

```

First hour of profile data

```

YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
12 01 01 01    5.5 0 -999.  -99.00  285.5  99.0  -99.00  -99.00
12 01 01 01    9.1 1  110.   1.30  -999.0  99.0  -99.00  -99.00

```

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

```

^ *** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14660
S Arrowhead\14660 Ops\146 ***          11/11/22
*** AERMET - VERSION 16216 ***      ***
***                                ***      08:26:16

```

PAGE 136

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

```

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5
YEARS FOR SOURCE GROUP: ALL ***
          INCLUDING SOURCE(S): VOL1      , VOL2
, VOL3      , VOL4      , VOL5      ,
          VOL6      , VOL7      , VOL8      , VOL9      , VOL10
, VOL11     , VOL12     , VOL13     ,
          VOL14     , VOL15     , VOL16     , VOL17     , L000001
, L000002   , L000003   , L000004   ,
          L000005   , L000006   , L000007   , L000008   , L000009
, L000010   , L000011   , . . .

```

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS

\*\*\*

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

\*\*



Y-COORD (M)	X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)
3773394.33	473663.68	3773394.12	0.03874	473682.32
3773421.14	473636.66	3773420.72	0.02560	473619.70
3773421.14	473597.71	3773420.93	0.02783	473581.16
3773353.70	473715.20	3773322.07	0.05337	473714.37
3773391.03	473478.05	3773391.74	0.04899	473444.93
3773398.86	473728.53	3773394.76	0.02003	473718.56
3773395.30	473744.73	3773399.39	0.01625	473758.62
3773228.32	473722.20	3773215.01	0.03357	473737.23
3773246.18	473514.95	3773246.43	0.07896	473486.86
3773218.83	473448.17	3773246.68	0.07498	473575.32
3773247.42	473377.20	3773201.83	0.02429	473262.12
3773146.94	473262.00	3773210.56	0.01203	473616.25
3773281.83	474044.81	3773332.10	0.00354	474044.39
3773239.94	474039.57	3773269.68	0.00389	474044.81
3773235.04	474039.15	3773212.08	0.00386	473828.98
3773176.96	473875.29	3773212.79	0.00865	473716.93
3773392.67	473786.47	3773130.03	0.00908	473356.27
3773435.04	473265.99	3773403.35	0.01580	473265.46
3773601.17	473265.10	3773318.95	0.03273	473270.62
3773565.20	473200.29	3773601.70	0.00421	473254.77
3773567.52	473167.88	3773567.34	0.00446	473148.65
3773566.98	473107.35	3773603.84	0.00335	473101.47
3773202.18	473595.33	3772510.49	0.00055	473357.20

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\*            11/11/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*            08:26:16

PAGE 137

\*\*\* 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	0.07896 AT (	473514.95, 3773246.43,
309.00,	309.00, 0.00) DC		
	2ND HIGHEST VALUE IS	0.07692 AT (	473486.86, 3773246.18,
309.00,	309.00, 0.00) DC		
	3RD HIGHEST VALUE IS	0.07498 AT (	473448.17, 3773246.68,
309.00,	309.00, 0.00) DC		
	4TH HIGHEST VALUE IS	0.05337 AT (	473715.20, 3773322.07,
310.88,	310.88, 0.00) DC		
	5TH HIGHEST VALUE IS	0.04899 AT (	473478.05, 3773391.74,
310.00,	310.00, 0.00) DC		
	6TH HIGHEST VALUE IS	0.04819 AT (	473444.93, 3773391.03,
310.00,	310.00, 0.00) DC		
	7TH HIGHEST VALUE IS	0.04629 AT (	473575.32, 3773218.83,
309.22,	309.22, 0.00) DC		
	8TH HIGHEST VALUE IS	0.04223 AT (	473714.37, 3773353.70,
311.00,	311.00, 0.00) DC		
	9TH HIGHEST VALUE IS	0.03915 AT (	473356.27, 3773392.67,
309.22,	309.22, 0.00) DC		
	10TH HIGHEST VALUE IS	0.03874 AT (	473663.68, 3773394.12,
311.00,	311.00, 0.00) DC		

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

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14660  
 S Arrowhead\14660 Ops\146 \*\*\*            11/11/22

\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 08:26:16

PAGE 138

\*\*\* 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 2 Warning Message(s)  
A Total of 388 Informational Message(s)  
  
A Total of 43848 Hours Were Processed  
  
A Total of 191 Calm Hours Identified  
  
A Total of 197 Missing Hours Identified ( 0.45 Percent)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186 1891 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
0.50  
ME W187 1891 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

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

\*\*

\*\*\*\*\*

\*\*

\*\* AERMOD INPUT PRODUCED BY:  
\*\* AERMOD VIEW VER. 11.2.0  
\*\* LAKES ENVIRONMENTAL SOFTWARE INC.  
\*\* DATE: 8/15/2023  
\*\* FILE: C:\LAKES\AERMOD VIEW\14660-09 HRA MODELING FILES\14660 S ARROWHEAD\14660  
OPS\14660 OPS.ADI

\*\*

\*\*\*\*\*

\*\*

\*\*

\*\*\*\*\*

\*\* AERMOD CONTROL PATHWAY

\*\*\*\*\*

\*\*  
\*\*

CO STARTING

TITLEONE C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660 S ARROWHEAD\14660 OPS\146  
MODELOPT DFAULT CONC  
AVERTIME ANNUAL  
URBANOPT 2035210 SAN\_BERNARDINO\_COUNTY  
POLLUTID DPM  
RUNORNOT RUN  
ERRORFIL "14660 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 = SLINE13

\*\* DESCRSRC BLDG 1 IDLE

\*\* PREFIX

\*\* LENGTH OF SIDE = 8.59

\*\* CONFIGURATION = ADJACENT

\*\* EMISSION RATE = 7.035E-06

\*\* VERTICAL DIMENSION = 6.99

\*\* SZINIT = 3.25

\*\* NODES = 2

\*\* 473375.207, 3773292.664, 309.96, 3.49, 4.00

\*\* 473434.419, 3773292.509, 309.95, 3.49, 4.00

\*\*

LOCATION	VOLUME	X COORD.	Y COORD.	Z COORD.
L0001014	473379.502	3773292.652	309.88	
L0001015	473388.092	3773292.630	309.88	
L0001016	473396.682	3773292.607	309.88	
L0001017	473405.272	3773292.585	309.87	
L0001018	473413.862	3773292.563	309.87	
L0001019	473422.452	3773292.540	309.87	
L0001020	473431.042	3773292.518	309.87	

\*\* END OF LINE VOLUME SOURCE ID = SLINE13

\*\*

-----  
\*\* 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 = 3.319E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 473570.342, 3773292.333, 310.00, 3.49, 4.00
** 473544.235, 3773292.518, 309.89, 3.49, 4.00
** -----
LOCATION L0000718      VOLUME  473566.048 3773292.363 310.00
LOCATION L0000719      VOLUME  473557.458 3773292.424 309.99
LOCATION L0000720      VOLUME  473548.868 3773292.485 309.95
** END OF LINE VOLUME SOURCE ID = SLINE2
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE3
** DESCRSRC BLDG 3 IDLE
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 4.616E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 2
** 473605.276, 3773323.643, 310.00, 3.49, 4.00
** 473605.276, 3773277.932, 310.00, 3.49, 4.00
** -----
LOCATION L0000721      VOLUME  473605.276 3773319.348 310.00
LOCATION L0000722      VOLUME  473605.276 3773310.758 310.00
LOCATION L0000723      VOLUME  473605.276 3773302.168 310.00
LOCATION L0000724      VOLUME  473605.276 3773293.578 310.00
LOCATION L0000725      VOLUME  473605.276 3773284.988 310.00
** END OF LINE VOLUME SOURCE ID = SLINE3
** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE14
** DESCRSRC BLDG 1 AND 2 ONSITE
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 3.828E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 5
** 473293.301, 3773308.320, 308.91, 3.49, 4.00
** 473309.590, 3773308.024, 308.94, 3.49, 4.00
** 473341.577, 3773277.517, 309.00, 3.49, 4.00
** 473350.462, 3773275.444, 309.00, 3.49, 4.00
** 473561.932, 3773273.667, 309.92, 3.49, 4.00
** -----
LOCATION L0000948      VOLUME  473297.595 3773308.242 309.00
LOCATION L0000949      VOLUME  473306.183 3773308.085 309.00

```

LOCATION L0000950	VOLUME	473313.341	3773304.447	309.00
LOCATION L0000951	VOLUME	473319.557	3773298.518	309.00
LOCATION L0000952	VOLUME	473325.773	3773292.590	309.18
LOCATION L0000953	VOLUME	473331.989	3773286.661	309.28
LOCATION L0000954	VOLUME	473338.206	3773280.733	309.29
LOCATION L0000955	VOLUME	473345.405	3773276.624	309.29
LOCATION L0000956	VOLUME	473353.859	3773275.416	309.30
LOCATION L0000957	VOLUME	473362.449	3773275.343	309.30
LOCATION L0000958	VOLUME	473371.039	3773275.271	309.30
LOCATION L0000959	VOLUME	473379.628	3773275.199	309.30
LOCATION L0000960	VOLUME	473388.218	3773275.127	309.29
LOCATION L0000961	VOLUME	473396.808	3773275.055	309.29
LOCATION L0000962	VOLUME	473405.398	3773274.983	309.29
LOCATION L0000963	VOLUME	473413.987	3773274.910	309.29
LOCATION L0000964	VOLUME	473422.577	3773274.838	309.28
LOCATION L0000965	VOLUME	473431.167	3773274.766	309.28
LOCATION L0000966	VOLUME	473439.756	3773274.694	309.28
LOCATION L0000967	VOLUME	473448.346	3773274.622	309.28
LOCATION L0000968	VOLUME	473456.936	3773274.549	309.27
LOCATION L0000969	VOLUME	473465.525	3773274.477	309.27
LOCATION L0000970	VOLUME	473474.115	3773274.405	309.27
LOCATION L0000971	VOLUME	473482.705	3773274.333	309.27
LOCATION L0000972	VOLUME	473491.295	3773274.261	309.26
LOCATION L0000973	VOLUME	473499.884	3773274.189	309.26
LOCATION L0000974	VOLUME	473508.474	3773274.116	309.26
LOCATION L0000975	VOLUME	473517.064	3773274.044	309.26
LOCATION L0000976	VOLUME	473525.653	3773273.972	309.25
LOCATION L0000977	VOLUME	473534.243	3773273.900	309.36
LOCATION L0000978	VOLUME	473542.833	3773273.828	309.58
LOCATION L0000979	VOLUME	473551.422	3773273.755	309.79
LOCATION L0000980	VOLUME	473560.012	3773273.683	310.00

\*\* END OF LINE VOLUME SOURCE ID = SLINE14

\*\* -----

\*\* LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

\*\* LINE VOLUME SOURCE ID = SLINE5

\*\* DESCRSRC BLDG 1 AND 2 DWY

\*\* PREFIX

\*\* LENGTH OF SIDE = 8.59

\*\* CONFIGURATION = ADJACENT

\*\* EMISSION RATE = 1.103E-06

\*\* VERTICAL DIMENSION = 6.99

\*\* SZINIT = 3.25

\*\* NODES = 2

\*\* 473487.782, 3773359.895, 310.00, 3.49, 4.00

\*\* 473487.782, 3773278.858, 309.00, 3.49, 4.00

\*\* -----

LOCATION L0000758	VOLUME	473487.782	3773355.600	310.00
LOCATION L0000759	VOLUME	473487.782	3773347.010	310.00
LOCATION L0000760	VOLUME	473487.782	3773338.420	310.00
LOCATION L0000761	VOLUME	473487.782	3773329.830	310.00

LOCATION L0000762	VOLUME	473487.782	3773321.240	310.00
LOCATION L0000763	VOLUME	473487.782	3773312.650	310.00
LOCATION L0000764	VOLUME	473487.782	3773304.060	310.00
LOCATION L0000765	VOLUME	473487.782	3773295.470	309.97
LOCATION L0000766	VOLUME	473487.782	3773286.880	309.68

\*\* END OF LINE VOLUME SOURCE ID = SLINE5

\*\*

-----  
\*\* LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

\*\* LINE VOLUME SOURCE ID = SLINE6

\*\* DESCRSRC BLDG 3 ONSITE

\*\* PREFIX

\*\* LENGTH OF SIDE = 8.59

\*\* CONFIGURATION = ADJACENT

\*\* EMISSION RATE = 1.235E-06

\*\* VERTICAL DIMENSION = 6.99

\*\* SZINIT = 3.25

\*\* NODES = 7

\*\* 473586.826, 3773360.523, 310.00, 3.49, 4.00

\*\* 473587.873, 3773259.594, 310.00, 3.49, 4.00

\*\* 473590.177, 3773256.871, 310.00, 3.49, 4.00

\*\* 473592.899, 3773254.568, 310.00, 3.49, 4.00

\*\* 473638.548, 3773233.419, 310.00, 3.49, 4.00

\*\* 473665.350, 3773233.628, 310.00, 3.49, 4.00

\*\* 473683.359, 3773236.769, 310.00, 3.49, 4.00

\*\*

-----  
LOCATION L0000767 VOLUME 473586.871 3773356.228 310.00  
LOCATION L0000768 VOLUME 473586.960 3773347.639 310.00  
LOCATION L0000769 VOLUME 473587.049 3773339.049 310.00  
LOCATION L0000770 VOLUME 473587.138 3773330.460 310.00  
LOCATION L0000771 VOLUME 473587.227 3773321.870 310.00  
LOCATION L0000772 VOLUME 473587.317 3773313.280 310.00  
LOCATION L0000773 VOLUME 473587.406 3773304.691 310.00  
LOCATION L0000774 VOLUME 473587.495 3773296.101 310.00  
LOCATION L0000775 VOLUME 473587.584 3773287.512 310.00  
LOCATION L0000776 VOLUME 473587.673 3773278.922 310.00  
LOCATION L0000777 VOLUME 473587.762 3773270.333 310.00  
LOCATION L0000778 VOLUME 473587.851 3773261.743 309.99  
LOCATION L0000779 VOLUME 473592.371 3773255.015 310.00  
LOCATION L0000780 VOLUME 473600.066 3773251.248 310.00  
LOCATION L0000781 VOLUME 473607.860 3773247.637 310.00  
LOCATION L0000782 VOLUME 473615.654 3773244.026 310.00  
LOCATION L0000783 VOLUME 473623.448 3773240.415 310.00  
LOCATION L0000784 VOLUME 473631.242 3773236.804 310.00  
LOCATION L0000785 VOLUME 473639.086 3773233.423 310.00  
LOCATION L0000786 VOLUME 473647.676 3773233.490 310.00  
LOCATION L0000787 VOLUME 473656.266 3773233.557 310.00  
LOCATION L0000788 VOLUME 473664.855 3773233.624 310.00  
LOCATION L0000789 VOLUME 473673.325 3773235.019 310.00  
LOCATION L0000790 VOLUME 473681.787 3773236.495 310.00

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

```

** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE15
** DESCRSRC 30% INBOUND DWY 1
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.916E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 5
** 473282.576, 3771741.581, 302.00, 3.49, 4.00
** 473283.823, 3772056.295, 303.00, 3.49, 4.00
** 473284.655, 3772427.550, 304.00, 3.49, 4.00
** 473285.070, 3772923.111, 306.00, 3.49, 4.00
** 473287.565, 3773304.759, 308.92, 3.49, 4.00
** -----

```

LOCATION	VOLUME	VOLUME	VOLUME	VOLUME
L0006062	473282.593	3771745.876	302.00	
L0006063	473282.627	3771754.466	302.00	
L0006064	473282.661	3771763.056	302.00	
L0006065	473282.695	3771771.646	302.00	
L0006066	473282.729	3771780.235	302.00	
L0006067	473282.763	3771788.825	302.00	
L0006068	473282.797	3771797.415	302.00	
L0006069	473282.831	3771806.005	302.00	
L0006070	473282.865	3771814.595	302.00	
L0006071	473282.899	3771823.185	302.00	
L0006072	473282.933	3771831.775	302.00	
L0006073	473282.968	3771840.365	302.00	
L0006074	473283.002	3771848.955	302.00	
L0006075	473283.036	3771857.545	302.00	
L0006076	473283.070	3771866.135	302.00	
L0006077	473283.104	3771874.725	302.00	
L0006078	473283.138	3771883.315	302.00	
L0006079	473283.172	3771891.905	302.00	
L0006080	473283.206	3771900.495	302.00	
L0006081	473283.240	3771909.084	302.00	
L0006082	473283.274	3771917.674	302.00	
L0006083	473283.308	3771926.264	302.00	
L0006084	473283.342	3771934.854	302.00	
L0006085	473283.376	3771943.444	302.00	
L0006086	473283.410	3771952.034	302.19	
L0006087	473283.444	3771960.624	302.48	
L0006088	473283.478	3771969.214	302.76	
L0006089	473283.512	3771977.804	303.00	
L0006090	473283.546	3771986.394	303.00	
L0006091	473283.580	3771994.984	303.00	
L0006092	473283.614	3772003.574	303.00	
L0006093	473283.648	3772012.164	303.00	
L0006094	473283.682	3772020.754	303.00	



LOCATION	L0006095	VOLUME	473283.716	3772029.344	303.00
LOCATION	L0006096	VOLUME	473283.750	3772037.933	303.00
LOCATION	L0006097	VOLUME	473283.785	3772046.523	303.00
LOCATION	L0006098	VOLUME	473283.819	3772055.113	303.00
LOCATION	L0006099	VOLUME	473283.840	3772063.703	303.00
LOCATION	L0006100	VOLUME	473283.859	3772072.293	302.96
LOCATION	L0006101	VOLUME	473283.878	3772080.883	302.91
LOCATION	L0006102	VOLUME	473283.898	3772089.473	302.85
LOCATION	L0006103	VOLUME	473283.917	3772098.063	302.82
LOCATION	L0006104	VOLUME	473283.936	3772106.653	302.87
LOCATION	L0006105	VOLUME	473283.955	3772115.243	302.93
LOCATION	L0006106	VOLUME	473283.974	3772123.833	302.98
LOCATION	L0006107	VOLUME	473283.994	3772132.423	303.00
LOCATION	L0006108	VOLUME	473284.013	3772141.013	303.00
LOCATION	L0006109	VOLUME	473284.032	3772149.603	303.00
LOCATION	L0006110	VOLUME	473284.051	3772158.193	303.00
LOCATION	L0006111	VOLUME	473284.071	3772166.783	303.00
LOCATION	L0006112	VOLUME	473284.090	3772175.373	303.00
LOCATION	L0006113	VOLUME	473284.109	3772183.963	303.00
LOCATION	L0006114	VOLUME	473284.128	3772192.553	303.21
LOCATION	L0006115	VOLUME	473284.148	3772201.143	303.49
LOCATION	L0006116	VOLUME	473284.167	3772209.733	303.78
LOCATION	L0006117	VOLUME	473284.186	3772218.323	304.00
LOCATION	L0006118	VOLUME	473284.205	3772226.913	304.00
LOCATION	L0006119	VOLUME	473284.225	3772235.503	304.00
LOCATION	L0006120	VOLUME	473284.244	3772244.093	304.00
LOCATION	L0006121	VOLUME	473284.263	3772252.683	304.00
LOCATION	L0006122	VOLUME	473284.282	3772261.273	304.00
LOCATION	L0006123	VOLUME	473284.302	3772269.863	304.00
LOCATION	L0006124	VOLUME	473284.321	3772278.453	304.00
LOCATION	L0006125	VOLUME	473284.340	3772287.043	304.00
LOCATION	L0006126	VOLUME	473284.359	3772295.633	304.00
LOCATION	L0006127	VOLUME	473284.379	3772304.223	304.00
LOCATION	L0006128	VOLUME	473284.398	3772312.813	304.00
LOCATION	L0006129	VOLUME	473284.417	3772321.403	304.00
LOCATION	L0006130	VOLUME	473284.436	3772329.993	304.00
LOCATION	L0006131	VOLUME	473284.455	3772338.583	304.01
LOCATION	L0006132	VOLUME	473284.475	3772347.173	304.06
LOCATION	L0006133	VOLUME	473284.494	3772355.763	304.11
LOCATION	L0006134	VOLUME	473284.513	3772364.353	304.16
LOCATION	L0006135	VOLUME	473284.532	3772372.942	304.17
LOCATION	L0006136	VOLUME	473284.552	3772381.532	304.17
LOCATION	L0006137	VOLUME	473284.571	3772390.122	304.17
LOCATION	L0006138	VOLUME	473284.590	3772398.712	304.16
LOCATION	L0006139	VOLUME	473284.609	3772407.302	304.11
LOCATION	L0006140	VOLUME	473284.629	3772415.892	304.06
LOCATION	L0006141	VOLUME	473284.648	3772424.482	304.01
LOCATION	L0006142	VOLUME	473284.659	3772433.072	304.00
LOCATION	L0006143	VOLUME	473284.667	3772441.662	304.00
LOCATION	L0006144	VOLUME	473284.674	3772450.252	304.00

LOCATION	L0006145	VOLUME	473284.681	3772458.842	304.08
LOCATION	L0006146	VOLUME	473284.688	3772467.432	304.37
LOCATION	L0006147	VOLUME	473284.695	3772476.022	304.66
LOCATION	L0006148	VOLUME	473284.703	3772484.612	304.94
LOCATION	L0006149	VOLUME	473284.710	3772493.202	305.00
LOCATION	L0006150	VOLUME	473284.717	3772501.792	305.00
LOCATION	L0006151	VOLUME	473284.724	3772510.382	305.00
LOCATION	L0006152	VOLUME	473284.731	3772518.972	305.00
LOCATION	L0006153	VOLUME	473284.739	3772527.562	305.00
LOCATION	L0006154	VOLUME	473284.746	3772536.152	305.00
LOCATION	L0006155	VOLUME	473284.753	3772544.742	305.00
LOCATION	L0006156	VOLUME	473284.760	3772553.332	305.00
LOCATION	L0006157	VOLUME	473284.767	3772561.922	305.00
LOCATION	L0006158	VOLUME	473284.775	3772570.512	305.00
LOCATION	L0006159	VOLUME	473284.782	3772579.102	305.00
LOCATION	L0006160	VOLUME	473284.789	3772587.692	305.00
LOCATION	L0006161	VOLUME	473284.796	3772596.282	305.00
LOCATION	L0006162	VOLUME	473284.803	3772604.872	305.00
LOCATION	L0006163	VOLUME	473284.811	3772613.462	305.00
LOCATION	L0006164	VOLUME	473284.818	3772622.052	305.00
LOCATION	L0006165	VOLUME	473284.825	3772630.642	305.00
LOCATION	L0006166	VOLUME	473284.832	3772639.232	305.00
LOCATION	L0006167	VOLUME	473284.840	3772647.822	305.00
LOCATION	L0006168	VOLUME	473284.847	3772656.412	305.00
LOCATION	L0006169	VOLUME	473284.854	3772665.002	305.00
LOCATION	L0006170	VOLUME	473284.861	3772673.592	305.00
LOCATION	L0006171	VOLUME	473284.868	3772682.182	305.00
LOCATION	L0006172	VOLUME	473284.876	3772690.772	305.00
LOCATION	L0006173	VOLUME	473284.883	3772699.362	305.00
LOCATION	L0006174	VOLUME	473284.890	3772707.952	305.00
LOCATION	L0006175	VOLUME	473284.897	3772716.542	305.00
LOCATION	L0006176	VOLUME	473284.904	3772725.132	305.00
LOCATION	L0006177	VOLUME	473284.912	3772733.722	305.00
LOCATION	L0006178	VOLUME	473284.919	3772742.312	305.00
LOCATION	L0006179	VOLUME	473284.926	3772750.902	305.00
LOCATION	L0006180	VOLUME	473284.933	3772759.492	305.00
LOCATION	L0006181	VOLUME	473284.940	3772768.082	305.00
LOCATION	L0006182	VOLUME	473284.948	3772776.672	305.00
LOCATION	L0006183	VOLUME	473284.955	3772785.262	305.00
LOCATION	L0006184	VOLUME	473284.962	3772793.852	305.21
LOCATION	L0006185	VOLUME	473284.969	3772802.442	305.45
LOCATION	L0006186	VOLUME	473284.976	3772811.032	305.69
LOCATION	L0006187	VOLUME	473284.984	3772819.622	305.84
LOCATION	L0006188	VOLUME	473284.991	3772828.212	305.84
LOCATION	L0006189	VOLUME	473284.998	3772836.802	305.84
LOCATION	L0006190	VOLUME	473285.005	3772845.392	305.84
LOCATION	L0006191	VOLUME	473285.012	3772853.982	305.88
LOCATION	L0006192	VOLUME	473285.020	3772862.572	305.93
LOCATION	L0006193	VOLUME	473285.027	3772871.162	305.97
LOCATION	L0006194	VOLUME	473285.034	3772879.752	306.00

LOCATION L0006195	VOLUME	473285.041	3772888.342	306.00
LOCATION L0006196	VOLUME	473285.048	3772896.932	306.00
LOCATION L0006197	VOLUME	473285.056	3772905.522	306.00
LOCATION L0006198	VOLUME	473285.063	3772914.112	306.00
LOCATION L0006199	VOLUME	473285.070	3772922.702	306.00
LOCATION L0006200	VOLUME	473285.124	3772931.292	306.00
LOCATION L0006201	VOLUME	473285.180	3772939.882	306.00
LOCATION L0006202	VOLUME	473285.236	3772948.472	306.00
LOCATION L0006203	VOLUME	473285.292	3772957.061	306.00
LOCATION L0006204	VOLUME	473285.348	3772965.651	306.00
LOCATION L0006205	VOLUME	473285.405	3772974.241	306.00
LOCATION L0006206	VOLUME	473285.461	3772982.831	306.00
LOCATION L0006207	VOLUME	473285.517	3772991.421	306.00
LOCATION L0006208	VOLUME	473285.573	3773000.011	306.12
LOCATION L0006209	VOLUME	473285.629	3773008.600	306.41
LOCATION L0006210	VOLUME	473285.685	3773017.190	306.69
LOCATION L0006211	VOLUME	473285.741	3773025.780	306.98
LOCATION L0006212	VOLUME	473285.798	3773034.370	307.00
LOCATION L0006213	VOLUME	473285.854	3773042.960	307.00
LOCATION L0006214	VOLUME	473285.910	3773051.549	307.00
LOCATION L0006215	VOLUME	473285.966	3773060.139	307.00
LOCATION L0006216	VOLUME	473286.022	3773068.729	307.00
LOCATION L0006217	VOLUME	473286.078	3773077.319	307.00
LOCATION L0006218	VOLUME	473286.134	3773085.909	307.00
LOCATION L0006219	VOLUME	473286.191	3773094.499	307.24
LOCATION L0006220	VOLUME	473286.247	3773103.088	307.49
LOCATION L0006221	VOLUME	473286.303	3773111.678	307.75
LOCATION L0006222	VOLUME	473286.359	3773120.268	307.90
LOCATION L0006223	VOLUME	473286.415	3773128.858	307.94
LOCATION L0006224	VOLUME	473286.471	3773137.448	307.97
LOCATION L0006225	VOLUME	473286.527	3773146.037	308.00
LOCATION L0006226	VOLUME	473286.584	3773154.627	308.00
LOCATION L0006227	VOLUME	473286.640	3773163.217	308.00
LOCATION L0006228	VOLUME	473286.696	3773171.807	308.00
LOCATION L0006229	VOLUME	473286.752	3773180.397	308.00
LOCATION L0006230	VOLUME	473286.808	3773188.987	308.00
LOCATION L0006231	VOLUME	473286.864	3773197.576	308.00
LOCATION L0006232	VOLUME	473286.920	3773206.166	308.00
LOCATION L0006233	VOLUME	473286.977	3773214.756	308.25
LOCATION L0006234	VOLUME	473287.033	3773223.346	308.52
LOCATION L0006235	VOLUME	473287.089	3773231.936	308.78
LOCATION L0006236	VOLUME	473287.145	3773240.525	308.91
LOCATION L0006237	VOLUME	473287.201	3773249.115	308.91
LOCATION L0006238	VOLUME	473287.257	3773257.705	308.92
LOCATION L0006239	VOLUME	473287.313	3773266.295	308.92
LOCATION L0006240	VOLUME	473287.370	3773274.885	308.92
LOCATION L0006241	VOLUME	473287.426	3773283.474	308.92
LOCATION L0006242	VOLUME	473287.482	3773292.064	308.92
LOCATION L0006243	VOLUME	473287.538	3773300.654	308.93

\*\* END OF LINE VOLUME SOURCE ID = SLINE15

```

** -----
** LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES
** LINE VOLUME SOURCE ID = SLINE16
** DESCRSRC 25% INBOUND DWY 2
** PREFIX
** LENGTH OF SIDE = 8.59
** CONFIGURATION = ADJACENT
** EMISSION RATE = 1.87E-06
** VERTICAL DIMENSION = 6.99
** SZINIT = 3.25
** NODES = 6
** 473282.576, 3771741.581, 302.00, 3.49, 4.00
** 473283.823, 3772056.295, 303.00, 3.49, 4.00
** 473284.655, 3772427.550, 304.00, 3.49, 4.00
** 473285.070, 3772923.111, 306.00, 3.49, 4.00
** 473285.648, 3773367.786, 308.87, 3.49, 4.00
** 473490.098, 3773367.378, 310.00, 3.49, 4.00
** -----

```

LOCATION	VOLUME	473282.593	3771745.876	302.00
LOCATION L0007554	VOLUME	473282.593	3771745.876	302.00
LOCATION L0007555	VOLUME	473282.627	3771754.466	302.00
LOCATION L0007556	VOLUME	473282.661	3771763.056	302.00
LOCATION L0007557	VOLUME	473282.695	3771771.646	302.00
LOCATION L0007558	VOLUME	473282.729	3771780.235	302.00
LOCATION L0007559	VOLUME	473282.763	3771788.825	302.00
LOCATION L0007560	VOLUME	473282.797	3771797.415	302.00
LOCATION L0007561	VOLUME	473282.831	3771806.005	302.00
LOCATION L0007562	VOLUME	473282.865	3771814.595	302.00
LOCATION L0007563	VOLUME	473282.899	3771823.185	302.00
LOCATION L0007564	VOLUME	473282.933	3771831.775	302.00
LOCATION L0007565	VOLUME	473282.968	3771840.365	302.00
LOCATION L0007566	VOLUME	473283.002	3771848.955	302.00
LOCATION L0007567	VOLUME	473283.036	3771857.545	302.00
LOCATION L0007568	VOLUME	473283.070	3771866.135	302.00
LOCATION L0007569	VOLUME	473283.104	3771874.725	302.00
LOCATION L0007570	VOLUME	473283.138	3771883.315	302.00
LOCATION L0007571	VOLUME	473283.172	3771891.905	302.00
LOCATION L0007572	VOLUME	473283.206	3771900.495	302.00
LOCATION L0007573	VOLUME	473283.240	3771909.084	302.00
LOCATION L0007574	VOLUME	473283.274	3771917.674	302.00
LOCATION L0007575	VOLUME	473283.308	3771926.264	302.00
LOCATION L0007576	VOLUME	473283.342	3771934.854	302.00
LOCATION L0007577	VOLUME	473283.376	3771943.444	302.00
LOCATION L0007578	VOLUME	473283.410	3771952.034	302.19
LOCATION L0007579	VOLUME	473283.444	3771960.624	302.48
LOCATION L0007580	VOLUME	473283.478	3771969.214	302.76
LOCATION L0007581	VOLUME	473283.512	3771977.804	303.00
LOCATION L0007582	VOLUME	473283.546	3771986.394	303.00
LOCATION L0007583	VOLUME	473283.580	3771994.984	303.00
LOCATION L0007584	VOLUME	473283.614	3772003.574	303.00
LOCATION L0007585	VOLUME	473283.648	3772012.164	303.00

LOCATION	L0007586	VOLUME	473283.682	3772020.754	303.00
LOCATION	L0007587	VOLUME	473283.716	3772029.344	303.00
LOCATION	L0007588	VOLUME	473283.750	3772037.933	303.00
LOCATION	L0007589	VOLUME	473283.785	3772046.523	303.00
LOCATION	L0007590	VOLUME	473283.819	3772055.113	303.00
LOCATION	L0007591	VOLUME	473283.840	3772063.703	303.00
LOCATION	L0007592	VOLUME	473283.859	3772072.293	302.96
LOCATION	L0007593	VOLUME	473283.878	3772080.883	302.91
LOCATION	L0007594	VOLUME	473283.898	3772089.473	302.85
LOCATION	L0007595	VOLUME	473283.917	3772098.063	302.82
LOCATION	L0007596	VOLUME	473283.936	3772106.653	302.87
LOCATION	L0007597	VOLUME	473283.955	3772115.243	302.93
LOCATION	L0007598	VOLUME	473283.974	3772123.833	302.98
LOCATION	L0007599	VOLUME	473283.994	3772132.423	303.00
LOCATION	L0007600	VOLUME	473284.013	3772141.013	303.00
LOCATION	L0007601	VOLUME	473284.032	3772149.603	303.00
LOCATION	L0007602	VOLUME	473284.051	3772158.193	303.00
LOCATION	L0007603	VOLUME	473284.071	3772166.783	303.00
LOCATION	L0007604	VOLUME	473284.090	3772175.373	303.00
LOCATION	L0007605	VOLUME	473284.109	3772183.963	303.00
LOCATION	L0007606	VOLUME	473284.128	3772192.553	303.21
LOCATION	L0007607	VOLUME	473284.148	3772201.143	303.49
LOCATION	L0007608	VOLUME	473284.167	3772209.733	303.78
LOCATION	L0007609	VOLUME	473284.186	3772218.323	304.00
LOCATION	L0007610	VOLUME	473284.205	3772226.913	304.00
LOCATION	L0007611	VOLUME	473284.225	3772235.503	304.00
LOCATION	L0007612	VOLUME	473284.244	3772244.093	304.00
LOCATION	L0007613	VOLUME	473284.263	3772252.683	304.00
LOCATION	L0007614	VOLUME	473284.282	3772261.273	304.00
LOCATION	L0007615	VOLUME	473284.302	3772269.863	304.00
LOCATION	L0007616	VOLUME	473284.321	3772278.453	304.00
LOCATION	L0007617	VOLUME	473284.340	3772287.043	304.00
LOCATION	L0007618	VOLUME	473284.359	3772295.633	304.00
LOCATION	L0007619	VOLUME	473284.379	3772304.223	304.00
LOCATION	L0007620	VOLUME	473284.398	3772312.813	304.00
LOCATION	L0007621	VOLUME	473284.417	3772321.403	304.00
LOCATION	L0007622	VOLUME	473284.436	3772329.993	304.00
LOCATION	L0007623	VOLUME	473284.455	3772338.583	304.01
LOCATION	L0007624	VOLUME	473284.475	3772347.173	304.06
LOCATION	L0007625	VOLUME	473284.494	3772355.763	304.11
LOCATION	L0007626	VOLUME	473284.513	3772364.353	304.16
LOCATION	L0007627	VOLUME	473284.532	3772372.942	304.17
LOCATION	L0007628	VOLUME	473284.552	3772381.532	304.17
LOCATION	L0007629	VOLUME	473284.571	3772390.122	304.17
LOCATION	L0007630	VOLUME	473284.590	3772398.712	304.16
LOCATION	L0007631	VOLUME	473284.609	3772407.302	304.11
LOCATION	L0007632	VOLUME	473284.629	3772415.892	304.06
LOCATION	L0007633	VOLUME	473284.648	3772424.482	304.01
LOCATION	L0007634	VOLUME	473284.659	3772433.072	304.00
LOCATION	L0007635	VOLUME	473284.667	3772441.662	304.00

LOCATION L0007636	VOLUME	473284.674	3772450.252	304.00
LOCATION L0007637	VOLUME	473284.681	3772458.842	304.08
LOCATION L0007638	VOLUME	473284.688	3772467.432	304.37
LOCATION L0007639	VOLUME	473284.695	3772476.022	304.66
LOCATION L0007640	VOLUME	473284.703	3772484.612	304.94
LOCATION L0007641	VOLUME	473284.710	3772493.202	305.00
LOCATION L0007642	VOLUME	473284.717	3772501.792	305.00
LOCATION L0007643	VOLUME	473284.724	3772510.382	305.00
LOCATION L0007644	VOLUME	473284.731	3772518.972	305.00
LOCATION L0007645	VOLUME	473284.739	3772527.562	305.00
LOCATION L0007646	VOLUME	473284.746	3772536.152	305.00
LOCATION L0007647	VOLUME	473284.753	3772544.742	305.00
LOCATION L0007648	VOLUME	473284.760	3772553.332	305.00
LOCATION L0007649	VOLUME	473284.767	3772561.922	305.00
LOCATION L0007650	VOLUME	473284.775	3772570.512	305.00
LOCATION L0007651	VOLUME	473284.782	3772579.102	305.00
LOCATION L0007652	VOLUME	473284.789	3772587.692	305.00
LOCATION L0007653	VOLUME	473284.796	3772596.282	305.00
LOCATION L0007654	VOLUME	473284.803	3772604.872	305.00
LOCATION L0007655	VOLUME	473284.811	3772613.462	305.00
LOCATION L0007656	VOLUME	473284.818	3772622.052	305.00
LOCATION L0007657	VOLUME	473284.825	3772630.642	305.00
LOCATION L0007658	VOLUME	473284.832	3772639.232	305.00
LOCATION L0007659	VOLUME	473284.840	3772647.822	305.00
LOCATION L0007660	VOLUME	473284.847	3772656.412	305.00
LOCATION L0007661	VOLUME	473284.854	3772665.002	305.00
LOCATION L0007662	VOLUME	473284.861	3772673.592	305.00
LOCATION L0007663	VOLUME	473284.868	3772682.182	305.00
LOCATION L0007664	VOLUME	473284.876	3772690.772	305.00
LOCATION L0007665	VOLUME	473284.883	3772699.362	305.00
LOCATION L0007666	VOLUME	473284.890	3772707.952	305.00
LOCATION L0007667	VOLUME	473284.897	3772716.542	305.00
LOCATION L0007668	VOLUME	473284.904	3772725.132	305.00
LOCATION L0007669	VOLUME	473284.912	3772733.722	305.00
LOCATION L0007670	VOLUME	473284.919	3772742.312	305.00
LOCATION L0007671	VOLUME	473284.926	3772750.902	305.00
LOCATION L0007672	VOLUME	473284.933	3772759.492	305.00
LOCATION L0007673	VOLUME	473284.940	3772768.082	305.00
LOCATION L0007674	VOLUME	473284.948	3772776.672	305.00
LOCATION L0007675	VOLUME	473284.955	3772785.262	305.00
LOCATION L0007676	VOLUME	473284.962	3772793.852	305.21
LOCATION L0007677	VOLUME	473284.969	3772802.442	305.45
LOCATION L0007678	VOLUME	473284.976	3772811.032	305.69
LOCATION L0007679	VOLUME	473284.984	3772819.622	305.84
LOCATION L0007680	VOLUME	473284.991	3772828.212	305.84
LOCATION L0007681	VOLUME	473284.998	3772836.802	305.84
LOCATION L0007682	VOLUME	473285.005	3772845.392	305.84
LOCATION L0007683	VOLUME	473285.012	3772853.982	305.88
LOCATION L0007684	VOLUME	473285.020	3772862.572	305.93
LOCATION L0007685	VOLUME	473285.027	3772871.162	305.97

LOCATION	L0007686	VOLUME	473285.034	3772879.752	306.00
LOCATION	L0007687	VOLUME	473285.041	3772888.342	306.00
LOCATION	L0007688	VOLUME	473285.048	3772896.932	306.00
LOCATION	L0007689	VOLUME	473285.056	3772905.522	306.00
LOCATION	L0007690	VOLUME	473285.063	3772914.112	306.00
LOCATION	L0007691	VOLUME	473285.070	3772922.702	306.00
LOCATION	L0007692	VOLUME	473285.081	3772931.292	306.00
LOCATION	L0007693	VOLUME	473285.092	3772939.882	306.00
LOCATION	L0007694	VOLUME	473285.103	3772948.472	306.00
LOCATION	L0007695	VOLUME	473285.115	3772957.062	306.00
LOCATION	L0007696	VOLUME	473285.126	3772965.652	306.00
LOCATION	L0007697	VOLUME	473285.137	3772974.242	306.00
LOCATION	L0007698	VOLUME	473285.148	3772982.832	306.00
LOCATION	L0007699	VOLUME	473285.159	3772991.422	306.00
LOCATION	L0007700	VOLUME	473285.170	3773000.012	306.12
LOCATION	L0007701	VOLUME	473285.181	3773008.602	306.41
LOCATION	L0007702	VOLUME	473285.193	3773017.192	306.69
LOCATION	L0007703	VOLUME	473285.204	3773025.782	306.98
LOCATION	L0007704	VOLUME	473285.215	3773034.372	307.00
LOCATION	L0007705	VOLUME	473285.226	3773042.962	307.00
LOCATION	L0007706	VOLUME	473285.237	3773051.552	307.00
LOCATION	L0007707	VOLUME	473285.248	3773060.142	307.00
LOCATION	L0007708	VOLUME	473285.260	3773068.732	307.00
LOCATION	L0007709	VOLUME	473285.271	3773077.322	307.00
LOCATION	L0007710	VOLUME	473285.282	3773085.912	307.00
LOCATION	L0007711	VOLUME	473285.293	3773094.502	307.23
LOCATION	L0007712	VOLUME	473285.304	3773103.092	307.48
LOCATION	L0007713	VOLUME	473285.315	3773111.682	307.72
LOCATION	L0007714	VOLUME	473285.326	3773120.272	307.87
LOCATION	L0007715	VOLUME	473285.338	3773128.862	307.91
LOCATION	L0007716	VOLUME	473285.349	3773137.452	307.96
LOCATION	L0007717	VOLUME	473285.360	3773146.042	308.00
LOCATION	L0007718	VOLUME	473285.371	3773154.632	308.00
LOCATION	L0007719	VOLUME	473285.382	3773163.222	308.00
LOCATION	L0007720	VOLUME	473285.393	3773171.812	308.00
LOCATION	L0007721	VOLUME	473285.405	3773180.402	308.00
LOCATION	L0007722	VOLUME	473285.416	3773188.992	308.00
LOCATION	L0007723	VOLUME	473285.427	3773197.582	308.00
LOCATION	L0007724	VOLUME	473285.438	3773206.172	308.00
LOCATION	L0007725	VOLUME	473285.449	3773214.762	308.24
LOCATION	L0007726	VOLUME	473285.460	3773223.352	308.49
LOCATION	L0007727	VOLUME	473285.471	3773231.942	308.73
LOCATION	L0007728	VOLUME	473285.483	3773240.532	308.86
LOCATION	L0007729	VOLUME	473285.494	3773249.122	308.86
LOCATION	L0007730	VOLUME	473285.505	3773257.712	308.86
LOCATION	L0007731	VOLUME	473285.516	3773266.302	308.86
LOCATION	L0007732	VOLUME	473285.527	3773274.892	308.86
LOCATION	L0007733	VOLUME	473285.538	3773283.482	308.86
LOCATION	L0007734	VOLUME	473285.550	3773292.072	308.86
LOCATION	L0007735	VOLUME	473285.561	3773300.662	308.86

LOCATION	VOLUME				
L0007736	473285.572	3773309.252	308.86		
L0007737	473285.583	3773317.842	308.86		
L0007738	473285.594	3773326.432	308.86		
L0007739	473285.605	3773335.022	308.86		
L0007740	473285.616	3773343.612	308.86		
L0007741	473285.628	3773352.202	308.86		
L0007742	473285.639	3773360.792	308.86		
L0007743	473287.244	3773367.783	308.92		
L0007744	473295.834	3773367.766	309.00		
L0007745	473304.424	3773367.748	309.00		
L0007746	473313.014	3773367.731	309.00		
L0007747	473321.604	3773367.714	309.00		
L0007748	473330.194	3773367.697	309.00		
L0007749	473338.784	3773367.680	309.00		
L0007750	473347.374	3773367.663	309.00		
L0007751	473355.964	3773367.646	309.21		
L0007752	473364.554	3773367.628	309.49		
L0007753	473373.144	3773367.611	309.78		
L0007754	473381.734	3773367.594	310.00		
L0007755	473390.324	3773367.577	310.00		
L0007756	473398.914	3773367.560	310.00		
L0007757	473407.504	3773367.543	310.00		
L0007758	473416.094	3773367.526	310.00		
L0007759	473424.684	3773367.509	310.00		
L0007760	473433.274	3773367.491	310.00		
L0007761	473441.864	3773367.474	310.00		
L0007762	473450.454	3773367.457	310.00		
L0007763	473459.044	3773367.440	310.00		
L0007764	473467.633	3773367.423	310.00		
L0007765	473476.223	3773367.406	310.00		
L0007766	473484.813	3773367.389	310.00		

\*\* END OF LINE VOLUME SOURCE ID = SLINE16

\*\* -----

\*\* LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

\*\* LINE VOLUME SOURCE ID = SLINE17

\*\* DESCRSRC 20% INBOUND DWY 3

\*\* PREFIX

\*\* LENGTH OF SIDE = 8.59

\*\* CONFIGURATION = ADJACENT

\*\* EMISSION RATE = 1.578E-06

\*\* VERTICAL DIMENSION = 6.99

\*\* SZINIT = 3.25

\*\* NODES = 6

\*\* 473282.576, 3771741.581, 302.00, 3.49, 4.00

\*\* 473283.823, 3772056.295, 303.00, 3.49, 4.00

\*\* 473284.655, 3772427.550, 304.00, 3.49, 4.00

\*\* 473285.070, 3772923.111, 306.00, 3.49, 4.00

\*\* 473285.648, 3773367.786, 308.87, 3.49, 4.00

\*\* 473589.897, 3773365.911, 310.00, 3.49, 4.00

\*\* -----



LOCATION	L0007767	VOLUME	473282.593	3771745.876	302.00
LOCATION	L0007768	VOLUME	473282.627	3771754.466	302.00
LOCATION	L0007769	VOLUME	473282.661	3771763.056	302.00
LOCATION	L0007770	VOLUME	473282.695	3771771.646	302.00
LOCATION	L0007771	VOLUME	473282.729	3771780.235	302.00
LOCATION	L0007772	VOLUME	473282.763	3771788.825	302.00
LOCATION	L0007773	VOLUME	473282.797	3771797.415	302.00
LOCATION	L0007774	VOLUME	473282.831	3771806.005	302.00
LOCATION	L0007775	VOLUME	473282.865	3771814.595	302.00
LOCATION	L0007776	VOLUME	473282.899	3771823.185	302.00
LOCATION	L0007777	VOLUME	473282.933	3771831.775	302.00
LOCATION	L0007778	VOLUME	473282.968	3771840.365	302.00
LOCATION	L0007779	VOLUME	473283.002	3771848.955	302.00
LOCATION	L0007780	VOLUME	473283.036	3771857.545	302.00
LOCATION	L0007781	VOLUME	473283.070	3771866.135	302.00
LOCATION	L0007782	VOLUME	473283.104	3771874.725	302.00
LOCATION	L0007783	VOLUME	473283.138	3771883.315	302.00
LOCATION	L0007784	VOLUME	473283.172	3771891.905	302.00
LOCATION	L0007785	VOLUME	473283.206	3771900.495	302.00
LOCATION	L0007786	VOLUME	473283.240	3771909.084	302.00
LOCATION	L0007787	VOLUME	473283.274	3771917.674	302.00
LOCATION	L0007788	VOLUME	473283.308	3771926.264	302.00
LOCATION	L0007789	VOLUME	473283.342	3771934.854	302.00
LOCATION	L0007790	VOLUME	473283.376	3771943.444	302.00
LOCATION	L0007791	VOLUME	473283.410	3771952.034	302.19
LOCATION	L0007792	VOLUME	473283.444	3771960.624	302.48
LOCATION	L0007793	VOLUME	473283.478	3771969.214	302.76
LOCATION	L0007794	VOLUME	473283.512	3771977.804	303.00
LOCATION	L0007795	VOLUME	473283.546	3771986.394	303.00
LOCATION	L0007796	VOLUME	473283.580	3771994.984	303.00
LOCATION	L0007797	VOLUME	473283.614	3772003.574	303.00
LOCATION	L0007798	VOLUME	473283.648	3772012.164	303.00
LOCATION	L0007799	VOLUME	473283.682	3772020.754	303.00
LOCATION	L0007800	VOLUME	473283.716	3772029.344	303.00
LOCATION	L0007801	VOLUME	473283.750	3772037.933	303.00
LOCATION	L0007802	VOLUME	473283.785	3772046.523	303.00
LOCATION	L0007803	VOLUME	473283.819	3772055.113	303.00
LOCATION	L0007804	VOLUME	473283.840	3772063.703	303.00
LOCATION	L0007805	VOLUME	473283.859	3772072.293	302.96
LOCATION	L0007806	VOLUME	473283.878	3772080.883	302.91
LOCATION	L0007807	VOLUME	473283.898	3772089.473	302.85
LOCATION	L0007808	VOLUME	473283.917	3772098.063	302.82
LOCATION	L0007809	VOLUME	473283.936	3772106.653	302.87
LOCATION	L0007810	VOLUME	473283.955	3772115.243	302.93
LOCATION	L0007811	VOLUME	473283.974	3772123.833	302.98
LOCATION	L0007812	VOLUME	473283.994	3772132.423	303.00
LOCATION	L0007813	VOLUME	473284.013	3772141.013	303.00
LOCATION	L0007814	VOLUME	473284.032	3772149.603	303.00
LOCATION	L0007815	VOLUME	473284.051	3772158.193	303.00
LOCATION	L0007816	VOLUME	473284.071	3772166.783	303.00

LOCATION	L0007817	VOLUME	473284.090	3772175.373	303.00
LOCATION	L0007818	VOLUME	473284.109	3772183.963	303.00
LOCATION	L0007819	VOLUME	473284.128	3772192.553	303.21
LOCATION	L0007820	VOLUME	473284.148	3772201.143	303.49
LOCATION	L0007821	VOLUME	473284.167	3772209.733	303.78
LOCATION	L0007822	VOLUME	473284.186	3772218.323	304.00
LOCATION	L0007823	VOLUME	473284.205	3772226.913	304.00
LOCATION	L0007824	VOLUME	473284.225	3772235.503	304.00
LOCATION	L0007825	VOLUME	473284.244	3772244.093	304.00
LOCATION	L0007826	VOLUME	473284.263	3772252.683	304.00
LOCATION	L0007827	VOLUME	473284.282	3772261.273	304.00
LOCATION	L0007828	VOLUME	473284.302	3772269.863	304.00
LOCATION	L0007829	VOLUME	473284.321	3772278.453	304.00
LOCATION	L0007830	VOLUME	473284.340	3772287.043	304.00
LOCATION	L0007831	VOLUME	473284.359	3772295.633	304.00
LOCATION	L0007832	VOLUME	473284.379	3772304.223	304.00
LOCATION	L0007833	VOLUME	473284.398	3772312.813	304.00
LOCATION	L0007834	VOLUME	473284.417	3772321.403	304.00
LOCATION	L0007835	VOLUME	473284.436	3772329.993	304.00
LOCATION	L0007836	VOLUME	473284.455	3772338.583	304.01
LOCATION	L0007837	VOLUME	473284.475	3772347.173	304.06
LOCATION	L0007838	VOLUME	473284.494	3772355.763	304.11
LOCATION	L0007839	VOLUME	473284.513	3772364.353	304.16
LOCATION	L0007840	VOLUME	473284.532	3772372.942	304.17
LOCATION	L0007841	VOLUME	473284.552	3772381.532	304.17
LOCATION	L0007842	VOLUME	473284.571	3772390.122	304.17
LOCATION	L0007843	VOLUME	473284.590	3772398.712	304.16
LOCATION	L0007844	VOLUME	473284.609	3772407.302	304.11
LOCATION	L0007845	VOLUME	473284.629	3772415.892	304.06
LOCATION	L0007846	VOLUME	473284.648	3772424.482	304.01
LOCATION	L0007847	VOLUME	473284.659	3772433.072	304.00
LOCATION	L0007848	VOLUME	473284.667	3772441.662	304.00
LOCATION	L0007849	VOLUME	473284.674	3772450.252	304.00
LOCATION	L0007850	VOLUME	473284.681	3772458.842	304.08
LOCATION	L0007851	VOLUME	473284.688	3772467.432	304.37
LOCATION	L0007852	VOLUME	473284.695	3772476.022	304.66
LOCATION	L0007853	VOLUME	473284.703	3772484.612	304.94
LOCATION	L0007854	VOLUME	473284.710	3772493.202	305.00
LOCATION	L0007855	VOLUME	473284.717	3772501.792	305.00
LOCATION	L0007856	VOLUME	473284.724	3772510.382	305.00
LOCATION	L0007857	VOLUME	473284.731	3772518.972	305.00
LOCATION	L0007858	VOLUME	473284.739	3772527.562	305.00
LOCATION	L0007859	VOLUME	473284.746	3772536.152	305.00
LOCATION	L0007860	VOLUME	473284.753	3772544.742	305.00
LOCATION	L0007861	VOLUME	473284.760	3772553.332	305.00
LOCATION	L0007862	VOLUME	473284.767	3772561.922	305.00
LOCATION	L0007863	VOLUME	473284.775	3772570.512	305.00
LOCATION	L0007864	VOLUME	473284.782	3772579.102	305.00
LOCATION	L0007865	VOLUME	473284.789	3772587.692	305.00
LOCATION	L0007866	VOLUME	473284.796	3772596.282	305.00

LOCATION L0007867	VOLUME	473284.803	3772604.872	305.00
LOCATION L0007868	VOLUME	473284.811	3772613.462	305.00
LOCATION L0007869	VOLUME	473284.818	3772622.052	305.00
LOCATION L0007870	VOLUME	473284.825	3772630.642	305.00
LOCATION L0007871	VOLUME	473284.832	3772639.232	305.00
LOCATION L0007872	VOLUME	473284.840	3772647.822	305.00
LOCATION L0007873	VOLUME	473284.847	3772656.412	305.00
LOCATION L0007874	VOLUME	473284.854	3772665.002	305.00
LOCATION L0007875	VOLUME	473284.861	3772673.592	305.00
LOCATION L0007876	VOLUME	473284.868	3772682.182	305.00
LOCATION L0007877	VOLUME	473284.876	3772690.772	305.00
LOCATION L0007878	VOLUME	473284.883	3772699.362	305.00
LOCATION L0007879	VOLUME	473284.890	3772707.952	305.00
LOCATION L0007880	VOLUME	473284.897	3772716.542	305.00
LOCATION L0007881	VOLUME	473284.904	3772725.132	305.00
LOCATION L0007882	VOLUME	473284.912	3772733.722	305.00
LOCATION L0007883	VOLUME	473284.919	3772742.312	305.00
LOCATION L0007884	VOLUME	473284.926	3772750.902	305.00
LOCATION L0007885	VOLUME	473284.933	3772759.492	305.00
LOCATION L0007886	VOLUME	473284.940	3772768.082	305.00
LOCATION L0007887	VOLUME	473284.948	3772776.672	305.00
LOCATION L0007888	VOLUME	473284.955	3772785.262	305.00
LOCATION L0007889	VOLUME	473284.962	3772793.852	305.21
LOCATION L0007890	VOLUME	473284.969	3772802.442	305.45
LOCATION L0007891	VOLUME	473284.976	3772811.032	305.69
LOCATION L0007892	VOLUME	473284.984	3772819.622	305.84
LOCATION L0007893	VOLUME	473284.991	3772828.212	305.84
LOCATION L0007894	VOLUME	473284.998	3772836.802	305.84
LOCATION L0007895	VOLUME	473285.005	3772845.392	305.84
LOCATION L0007896	VOLUME	473285.012	3772853.982	305.88
LOCATION L0007897	VOLUME	473285.020	3772862.572	305.93
LOCATION L0007898	VOLUME	473285.027	3772871.162	305.97
LOCATION L0007899	VOLUME	473285.034	3772879.752	306.00
LOCATION L0007900	VOLUME	473285.041	3772888.342	306.00
LOCATION L0007901	VOLUME	473285.048	3772896.932	306.00
LOCATION L0007902	VOLUME	473285.056	3772905.522	306.00
LOCATION L0007903	VOLUME	473285.063	3772914.112	306.00
LOCATION L0007904	VOLUME	473285.070	3772922.702	306.00
LOCATION L0007905	VOLUME	473285.081	3772931.292	306.00
LOCATION L0007906	VOLUME	473285.092	3772939.882	306.00
LOCATION L0007907	VOLUME	473285.103	3772948.472	306.00
LOCATION L0007908	VOLUME	473285.115	3772957.062	306.00
LOCATION L0007909	VOLUME	473285.126	3772965.652	306.00
LOCATION L0007910	VOLUME	473285.137	3772974.242	306.00
LOCATION L0007911	VOLUME	473285.148	3772982.832	306.00
LOCATION L0007912	VOLUME	473285.159	3772991.422	306.00
LOCATION L0007913	VOLUME	473285.170	3773000.012	306.12
LOCATION L0007914	VOLUME	473285.181	3773008.602	306.41
LOCATION L0007915	VOLUME	473285.193	3773017.192	306.69
LOCATION L0007916	VOLUME	473285.204	3773025.782	306.98

LOCATION	L0007917	VOLUME	473285.215	3773034.372	307.00
LOCATION	L0007918	VOLUME	473285.226	3773042.962	307.00
LOCATION	L0007919	VOLUME	473285.237	3773051.552	307.00
LOCATION	L0007920	VOLUME	473285.248	3773060.142	307.00
LOCATION	L0007921	VOLUME	473285.260	3773068.732	307.00
LOCATION	L0007922	VOLUME	473285.271	3773077.322	307.00
LOCATION	L0007923	VOLUME	473285.282	3773085.912	307.00
LOCATION	L0007924	VOLUME	473285.293	3773094.502	307.23
LOCATION	L0007925	VOLUME	473285.304	3773103.092	307.48
LOCATION	L0007926	VOLUME	473285.315	3773111.682	307.72
LOCATION	L0007927	VOLUME	473285.326	3773120.272	307.87
LOCATION	L0007928	VOLUME	473285.338	3773128.862	307.91
LOCATION	L0007929	VOLUME	473285.349	3773137.452	307.96
LOCATION	L0007930	VOLUME	473285.360	3773146.042	308.00
LOCATION	L0007931	VOLUME	473285.371	3773154.632	308.00
LOCATION	L0007932	VOLUME	473285.382	3773163.222	308.00
LOCATION	L0007933	VOLUME	473285.393	3773171.812	308.00
LOCATION	L0007934	VOLUME	473285.405	3773180.402	308.00
LOCATION	L0007935	VOLUME	473285.416	3773188.992	308.00
LOCATION	L0007936	VOLUME	473285.427	3773197.582	308.00
LOCATION	L0007937	VOLUME	473285.438	3773206.172	308.00
LOCATION	L0007938	VOLUME	473285.449	3773214.762	308.24
LOCATION	L0007939	VOLUME	473285.460	3773223.352	308.49
LOCATION	L0007940	VOLUME	473285.471	3773231.942	308.73
LOCATION	L0007941	VOLUME	473285.483	3773240.532	308.86
LOCATION	L0007942	VOLUME	473285.494	3773249.122	308.86
LOCATION	L0007943	VOLUME	473285.505	3773257.712	308.86
LOCATION	L0007944	VOLUME	473285.516	3773266.302	308.86
LOCATION	L0007945	VOLUME	473285.527	3773274.892	308.86
LOCATION	L0007946	VOLUME	473285.538	3773283.482	308.86
LOCATION	L0007947	VOLUME	473285.550	3773292.072	308.86
LOCATION	L0007948	VOLUME	473285.561	3773300.662	308.86
LOCATION	L0007949	VOLUME	473285.572	3773309.252	308.86
LOCATION	L0007950	VOLUME	473285.583	3773317.842	308.86
LOCATION	L0007951	VOLUME	473285.594	3773326.432	308.86
LOCATION	L0007952	VOLUME	473285.605	3773335.022	308.86
LOCATION	L0007953	VOLUME	473285.616	3773343.612	308.86
LOCATION	L0007954	VOLUME	473285.628	3773352.202	308.86
LOCATION	L0007955	VOLUME	473285.639	3773360.792	308.86
LOCATION	L0007956	VOLUME	473287.244	3773367.776	308.92
LOCATION	L0007957	VOLUME	473295.834	3773367.723	309.00
LOCATION	L0007958	VOLUME	473304.423	3773367.670	309.00
LOCATION	L0007959	VOLUME	473313.013	3773367.617	309.00
LOCATION	L0007960	VOLUME	473321.603	3773367.564	309.00
LOCATION	L0007961	VOLUME	473330.193	3773367.511	309.00
LOCATION	L0007962	VOLUME	473338.783	3773367.458	309.00
LOCATION	L0007963	VOLUME	473347.373	3773367.405	309.00
LOCATION	L0007964	VOLUME	473355.963	3773367.352	309.21
LOCATION	L0007965	VOLUME	473364.552	3773367.299	309.49
LOCATION	L0007966	VOLUME	473373.142	3773367.247	309.78

LOCATION	VOLUME				
L0007967	473381.732	3773367.194	310.00		
L0007968	473390.322	3773367.141	310.00		
L0007969	473398.912	3773367.088	310.00		
L0007970	473407.502	3773367.035	310.00		
L0007971	473416.091	3773366.982	310.00		
L0007972	473424.681	3773366.929	310.00		
L0007973	473433.271	3773366.876	310.00		
L0007974	473441.861	3773366.823	310.00		
L0007975	473450.451	3773366.770	310.00		
L0007976	473459.041	3773366.717	310.00		
L0007977	473467.630	3773366.664	310.00		
L0007978	473476.220	3773366.611	310.00		
L0007979	473484.810	3773366.558	310.00		
L0007980	473493.400	3773366.505	310.00		
L0007981	473501.990	3773366.452	310.00		
L0007982	473510.580	3773366.399	310.00		
L0007983	473519.169	3773366.346	310.00		
L0007984	473527.759	3773366.294	310.00		
L0007985	473536.349	3773366.241	310.00		
L0007986	473544.939	3773366.188	310.00		
L0007987	473553.529	3773366.135	310.00		
L0007988	473562.119	3773366.082	310.00		
L0007989	473570.708	3773366.029	310.00		
L0007990	473579.298	3773365.976	310.00		
L0007991	473587.888	3773365.923	310.00		

\*\* END OF LINE VOLUME SOURCE ID = SLINE17

\*\*

\*\* LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

\*\* LINE VOLUME SOURCE ID = SLINE18

\*\* DESCRSRC 25% INBOUND DWY 5

\*\* PREFIX

\*\* LENGTH OF SIDE = 8.59

\*\* CONFIGURATION = ADJACENT

\*\* EMISSION RATE = 2.212E-06

\*\* VERTICAL DIMENSION = 6.99

\*\* SZINIT = 3.25

\*\* NODES = 8

\*\* 473282.576, 3771741.581, 302.00, 3.49, 4.00

\*\* 473283.823, 3772056.295, 303.00, 3.49, 4.00

\*\* 473284.655, 3772427.550, 304.00, 3.49, 4.00

\*\* 473285.070, 3772923.111, 306.00, 3.49, 4.00

\*\* 473285.648, 3773367.786, 308.87, 3.49, 4.00

\*\* 473583.311, 3773365.951, 310.00, 3.49, 4.00

\*\* 473692.883, 3773363.513, 310.86, 3.49, 4.00

\*\* 473693.121, 3773231.867, 310.00, 3.49, 4.00

\*\*

LOCATION L0007992	VOLUME	473282.593	3771745.876	302.00	
LOCATION L0007993	VOLUME	473282.627	3771754.466	302.00	
LOCATION L0007994	VOLUME	473282.661	3771763.056	302.00	
LOCATION L0007995	VOLUME	473282.695	3771771.646	302.00	

LOCATION	L0007996	VOLUME	473282.729	3771780.235	302.00
LOCATION	L0007997	VOLUME	473282.763	3771788.825	302.00
LOCATION	L0007998	VOLUME	473282.797	3771797.415	302.00
LOCATION	L0007999	VOLUME	473282.831	3771806.005	302.00
LOCATION	L0008000	VOLUME	473282.865	3771814.595	302.00
LOCATION	L0008001	VOLUME	473282.899	3771823.185	302.00
LOCATION	L0008002	VOLUME	473282.933	3771831.775	302.00
LOCATION	L0008003	VOLUME	473282.968	3771840.365	302.00
LOCATION	L0008004	VOLUME	473283.002	3771848.955	302.00
LOCATION	L0008005	VOLUME	473283.036	3771857.545	302.00
LOCATION	L0008006	VOLUME	473283.070	3771866.135	302.00
LOCATION	L0008007	VOLUME	473283.104	3771874.725	302.00
LOCATION	L0008008	VOLUME	473283.138	3771883.315	302.00
LOCATION	L0008009	VOLUME	473283.172	3771891.905	302.00
LOCATION	L0008010	VOLUME	473283.206	3771900.495	302.00
LOCATION	L0008011	VOLUME	473283.240	3771909.084	302.00
LOCATION	L0008012	VOLUME	473283.274	3771917.674	302.00
LOCATION	L0008013	VOLUME	473283.308	3771926.264	302.00
LOCATION	L0008014	VOLUME	473283.342	3771934.854	302.00
LOCATION	L0008015	VOLUME	473283.376	3771943.444	302.00
LOCATION	L0008016	VOLUME	473283.410	3771952.034	302.19
LOCATION	L0008017	VOLUME	473283.444	3771960.624	302.48
LOCATION	L0008018	VOLUME	473283.478	3771969.214	302.76
LOCATION	L0008019	VOLUME	473283.512	3771977.804	303.00
LOCATION	L0008020	VOLUME	473283.546	3771986.394	303.00
LOCATION	L0008021	VOLUME	473283.580	3771994.984	303.00
LOCATION	L0008022	VOLUME	473283.614	3772003.574	303.00
LOCATION	L0008023	VOLUME	473283.648	3772012.164	303.00
LOCATION	L0008024	VOLUME	473283.682	3772020.754	303.00
LOCATION	L0008025	VOLUME	473283.716	3772029.344	303.00
LOCATION	L0008026	VOLUME	473283.750	3772037.933	303.00
LOCATION	L0008027	VOLUME	473283.785	3772046.523	303.00
LOCATION	L0008028	VOLUME	473283.819	3772055.113	303.00
LOCATION	L0008029	VOLUME	473283.840	3772063.703	303.00
LOCATION	L0008030	VOLUME	473283.859	3772072.293	302.96
LOCATION	L0008031	VOLUME	473283.878	3772080.883	302.91
LOCATION	L0008032	VOLUME	473283.898	3772089.473	302.85
LOCATION	L0008033	VOLUME	473283.917	3772098.063	302.82
LOCATION	L0008034	VOLUME	473283.936	3772106.653	302.87
LOCATION	L0008035	VOLUME	473283.955	3772115.243	302.93
LOCATION	L0008036	VOLUME	473283.974	3772123.833	302.98
LOCATION	L0008037	VOLUME	473283.994	3772132.423	303.00
LOCATION	L0008038	VOLUME	473284.013	3772141.013	303.00
LOCATION	L0008039	VOLUME	473284.032	3772149.603	303.00
LOCATION	L0008040	VOLUME	473284.051	3772158.193	303.00
LOCATION	L0008041	VOLUME	473284.071	3772166.783	303.00
LOCATION	L0008042	VOLUME	473284.090	3772175.373	303.00
LOCATION	L0008043	VOLUME	473284.109	3772183.963	303.00
LOCATION	L0008044	VOLUME	473284.128	3772192.553	303.21
LOCATION	L0008045	VOLUME	473284.148	3772201.143	303.49

LOCATION	L0008046	VOLUME	473284.167	3772209.733	303.78
LOCATION	L0008047	VOLUME	473284.186	3772218.323	304.00
LOCATION	L0008048	VOLUME	473284.205	3772226.913	304.00
LOCATION	L0008049	VOLUME	473284.225	3772235.503	304.00
LOCATION	L0008050	VOLUME	473284.244	3772244.093	304.00
LOCATION	L0008051	VOLUME	473284.263	3772252.683	304.00
LOCATION	L0008052	VOLUME	473284.282	3772261.273	304.00
LOCATION	L0008053	VOLUME	473284.302	3772269.863	304.00
LOCATION	L0008054	VOLUME	473284.321	3772278.453	304.00
LOCATION	L0008055	VOLUME	473284.340	3772287.043	304.00
LOCATION	L0008056	VOLUME	473284.359	3772295.633	304.00
LOCATION	L0008057	VOLUME	473284.379	3772304.223	304.00
LOCATION	L0008058	VOLUME	473284.398	3772312.813	304.00
LOCATION	L0008059	VOLUME	473284.417	3772321.403	304.00
LOCATION	L0008060	VOLUME	473284.436	3772329.993	304.00
LOCATION	L0008061	VOLUME	473284.455	3772338.583	304.01
LOCATION	L0008062	VOLUME	473284.475	3772347.173	304.06
LOCATION	L0008063	VOLUME	473284.494	3772355.763	304.11
LOCATION	L0008064	VOLUME	473284.513	3772364.353	304.16
LOCATION	L0008065	VOLUME	473284.532	3772372.942	304.17
LOCATION	L0008066	VOLUME	473284.552	3772381.532	304.17
LOCATION	L0008067	VOLUME	473284.571	3772390.122	304.17
LOCATION	L0008068	VOLUME	473284.590	3772398.712	304.16
LOCATION	L0008069	VOLUME	473284.609	3772407.302	304.11
LOCATION	L0008070	VOLUME	473284.629	3772415.892	304.06
LOCATION	L0008071	VOLUME	473284.648	3772424.482	304.01
LOCATION	L0008072	VOLUME	473284.659	3772433.072	304.00
LOCATION	L0008073	VOLUME	473284.667	3772441.662	304.00
LOCATION	L0008074	VOLUME	473284.674	3772450.252	304.00
LOCATION	L0008075	VOLUME	473284.681	3772458.842	304.08
LOCATION	L0008076	VOLUME	473284.688	3772467.432	304.37
LOCATION	L0008077	VOLUME	473284.695	3772476.022	304.66
LOCATION	L0008078	VOLUME	473284.703	3772484.612	304.94
LOCATION	L0008079	VOLUME	473284.710	3772493.202	305.00
LOCATION	L0008080	VOLUME	473284.717	3772501.792	305.00
LOCATION	L0008081	VOLUME	473284.724	3772510.382	305.00
LOCATION	L0008082	VOLUME	473284.731	3772518.972	305.00
LOCATION	L0008083	VOLUME	473284.739	3772527.562	305.00
LOCATION	L0008084	VOLUME	473284.746	3772536.152	305.00
LOCATION	L0008085	VOLUME	473284.753	3772544.742	305.00
LOCATION	L0008086	VOLUME	473284.760	3772553.332	305.00
LOCATION	L0008087	VOLUME	473284.767	3772561.922	305.00
LOCATION	L0008088	VOLUME	473284.775	3772570.512	305.00
LOCATION	L0008089	VOLUME	473284.782	3772579.102	305.00
LOCATION	L0008090	VOLUME	473284.789	3772587.692	305.00
LOCATION	L0008091	VOLUME	473284.796	3772596.282	305.00
LOCATION	L0008092	VOLUME	473284.803	3772604.872	305.00
LOCATION	L0008093	VOLUME	473284.811	3772613.462	305.00
LOCATION	L0008094	VOLUME	473284.818	3772622.052	305.00
LOCATION	L0008095	VOLUME	473284.825	3772630.642	305.00

LOCATION L0008096	VOLUME	473284.832	3772639.232	305.00
LOCATION L0008097	VOLUME	473284.840	3772647.822	305.00
LOCATION L0008098	VOLUME	473284.847	3772656.412	305.00
LOCATION L0008099	VOLUME	473284.854	3772665.002	305.00
LOCATION L0008100	VOLUME	473284.861	3772673.592	305.00
LOCATION L0008101	VOLUME	473284.868	3772682.182	305.00
LOCATION L0008102	VOLUME	473284.876	3772690.772	305.00
LOCATION L0008103	VOLUME	473284.883	3772699.362	305.00
LOCATION L0008104	VOLUME	473284.890	3772707.952	305.00
LOCATION L0008105	VOLUME	473284.897	3772716.542	305.00
LOCATION L0008106	VOLUME	473284.904	3772725.132	305.00
LOCATION L0008107	VOLUME	473284.912	3772733.722	305.00
LOCATION L0008108	VOLUME	473284.919	3772742.312	305.00
LOCATION L0008109	VOLUME	473284.926	3772750.902	305.00
LOCATION L0008110	VOLUME	473284.933	3772759.492	305.00
LOCATION L0008111	VOLUME	473284.940	3772768.082	305.00
LOCATION L0008112	VOLUME	473284.948	3772776.672	305.00
LOCATION L0008113	VOLUME	473284.955	3772785.262	305.00
LOCATION L0008114	VOLUME	473284.962	3772793.852	305.21
LOCATION L0008115	VOLUME	473284.969	3772802.442	305.45
LOCATION L0008116	VOLUME	473284.976	3772811.032	305.69
LOCATION L0008117	VOLUME	473284.984	3772819.622	305.84
LOCATION L0008118	VOLUME	473284.991	3772828.212	305.84
LOCATION L0008119	VOLUME	473284.998	3772836.802	305.84
LOCATION L0008120	VOLUME	473285.005	3772845.392	305.84
LOCATION L0008121	VOLUME	473285.012	3772853.982	305.88
LOCATION L0008122	VOLUME	473285.020	3772862.572	305.93
LOCATION L0008123	VOLUME	473285.027	3772871.162	305.97
LOCATION L0008124	VOLUME	473285.034	3772879.752	306.00
LOCATION L0008125	VOLUME	473285.041	3772888.342	306.00
LOCATION L0008126	VOLUME	473285.048	3772896.932	306.00
LOCATION L0008127	VOLUME	473285.056	3772905.522	306.00
LOCATION L0008128	VOLUME	473285.063	3772914.112	306.00
LOCATION L0008129	VOLUME	473285.070	3772922.702	306.00
LOCATION L0008130	VOLUME	473285.081	3772931.292	306.00
LOCATION L0008131	VOLUME	473285.092	3772939.882	306.00
LOCATION L0008132	VOLUME	473285.103	3772948.472	306.00
LOCATION L0008133	VOLUME	473285.115	3772957.062	306.00
LOCATION L0008134	VOLUME	473285.126	3772965.652	306.00
LOCATION L0008135	VOLUME	473285.137	3772974.242	306.00
LOCATION L0008136	VOLUME	473285.148	3772982.832	306.00
LOCATION L0008137	VOLUME	473285.159	3772991.422	306.00
LOCATION L0008138	VOLUME	473285.170	3773000.012	306.12
LOCATION L0008139	VOLUME	473285.181	3773008.602	306.41
LOCATION L0008140	VOLUME	473285.193	3773017.192	306.69
LOCATION L0008141	VOLUME	473285.204	3773025.782	306.98
LOCATION L0008142	VOLUME	473285.215	3773034.372	307.00
LOCATION L0008143	VOLUME	473285.226	3773042.962	307.00
LOCATION L0008144	VOLUME	473285.237	3773051.552	307.00
LOCATION L0008145	VOLUME	473285.248	3773060.142	307.00



LOCATION L0008146	VOLUME	473285.260	3773068.732	307.00
LOCATION L0008147	VOLUME	473285.271	3773077.322	307.00
LOCATION L0008148	VOLUME	473285.282	3773085.912	307.00
LOCATION L0008149	VOLUME	473285.293	3773094.502	307.23
LOCATION L0008150	VOLUME	473285.304	3773103.092	307.48
LOCATION L0008151	VOLUME	473285.315	3773111.682	307.72
LOCATION L0008152	VOLUME	473285.326	3773120.272	307.87
LOCATION L0008153	VOLUME	473285.338	3773128.862	307.91
LOCATION L0008154	VOLUME	473285.349	3773137.452	307.96
LOCATION L0008155	VOLUME	473285.360	3773146.042	308.00
LOCATION L0008156	VOLUME	473285.371	3773154.632	308.00
LOCATION L0008157	VOLUME	473285.382	3773163.222	308.00
LOCATION L0008158	VOLUME	473285.393	3773171.812	308.00
LOCATION L0008159	VOLUME	473285.405	3773180.402	308.00
LOCATION L0008160	VOLUME	473285.416	3773188.992	308.00
LOCATION L0008161	VOLUME	473285.427	3773197.582	308.00
LOCATION L0008162	VOLUME	473285.438	3773206.172	308.00
LOCATION L0008163	VOLUME	473285.449	3773214.762	308.24
LOCATION L0008164	VOLUME	473285.460	3773223.352	308.49
LOCATION L0008165	VOLUME	473285.471	3773231.942	308.73
LOCATION L0008166	VOLUME	473285.483	3773240.532	308.86
LOCATION L0008167	VOLUME	473285.494	3773249.122	308.86
LOCATION L0008168	VOLUME	473285.505	3773257.712	308.86
LOCATION L0008169	VOLUME	473285.516	3773266.302	308.86
LOCATION L0008170	VOLUME	473285.527	3773274.892	308.86
LOCATION L0008171	VOLUME	473285.538	3773283.482	308.86
LOCATION L0008172	VOLUME	473285.550	3773292.072	308.86
LOCATION L0008173	VOLUME	473285.561	3773300.662	308.86
LOCATION L0008174	VOLUME	473285.572	3773309.252	308.86
LOCATION L0008175	VOLUME	473285.583	3773317.842	308.86
LOCATION L0008176	VOLUME	473285.594	3773326.432	308.86
LOCATION L0008177	VOLUME	473285.605	3773335.022	308.86
LOCATION L0008178	VOLUME	473285.616	3773343.612	308.86
LOCATION L0008179	VOLUME	473285.628	3773352.202	308.86
LOCATION L0008180	VOLUME	473285.639	3773360.792	308.86
LOCATION L0008181	VOLUME	473287.244	3773367.776	308.92
LOCATION L0008182	VOLUME	473295.834	3773367.723	309.00
LOCATION L0008183	VOLUME	473304.423	3773367.670	309.00
LOCATION L0008184	VOLUME	473313.013	3773367.617	309.00
LOCATION L0008185	VOLUME	473321.603	3773367.564	309.00
LOCATION L0008186	VOLUME	473330.193	3773367.511	309.00
LOCATION L0008187	VOLUME	473338.783	3773367.458	309.00
LOCATION L0008188	VOLUME	473347.373	3773367.405	309.00
LOCATION L0008189	VOLUME	473355.963	3773367.352	309.21
LOCATION L0008190	VOLUME	473364.552	3773367.299	309.49
LOCATION L0008191	VOLUME	473373.142	3773367.247	309.78
LOCATION L0008192	VOLUME	473381.732	3773367.194	310.00
LOCATION L0008193	VOLUME	473390.322	3773367.141	310.00
LOCATION L0008194	VOLUME	473398.912	3773367.088	310.00
LOCATION L0008195	VOLUME	473407.502	3773367.035	310.00

LOCATION	L0008196	VOLUME	473416.091	3773366.982	310.00
LOCATION	L0008197	VOLUME	473424.681	3773366.929	310.00
LOCATION	L0008198	VOLUME	473433.271	3773366.876	310.00
LOCATION	L0008199	VOLUME	473441.861	3773366.823	310.00
LOCATION	L0008200	VOLUME	473450.451	3773366.770	310.00
LOCATION	L0008201	VOLUME	473459.041	3773366.717	310.00
LOCATION	L0008202	VOLUME	473467.630	3773366.664	310.00
LOCATION	L0008203	VOLUME	473476.220	3773366.611	310.00
LOCATION	L0008204	VOLUME	473484.810	3773366.558	310.00
LOCATION	L0008205	VOLUME	473493.400	3773366.505	310.00
LOCATION	L0008206	VOLUME	473501.990	3773366.452	310.00
LOCATION	L0008207	VOLUME	473510.580	3773366.399	310.00
LOCATION	L0008208	VOLUME	473519.169	3773366.346	310.00
LOCATION	L0008209	VOLUME	473527.759	3773366.294	310.00
LOCATION	L0008210	VOLUME	473536.349	3773366.241	310.00
LOCATION	L0008211	VOLUME	473544.939	3773366.188	310.00
LOCATION	L0008212	VOLUME	473553.529	3773366.135	310.00
LOCATION	L0008213	VOLUME	473562.119	3773366.082	310.00
LOCATION	L0008214	VOLUME	473570.708	3773366.029	310.00
LOCATION	L0008215	VOLUME	473579.298	3773365.976	310.00
LOCATION	L0008216	VOLUME	473587.887	3773365.849	310.00
LOCATION	L0008217	VOLUME	473596.475	3773365.658	310.00
LOCATION	L0008218	VOLUME	473605.063	3773365.467	310.00
LOCATION	L0008219	VOLUME	473613.651	3773365.276	310.00
LOCATION	L0008220	VOLUME	473622.239	3773365.085	310.00
LOCATION	L0008221	VOLUME	473630.826	3773364.894	310.11
LOCATION	L0008222	VOLUME	473639.414	3773364.703	310.18
LOCATION	L0008223	VOLUME	473648.002	3773364.512	310.26
LOCATION	L0008224	VOLUME	473656.590	3773364.321	310.43
LOCATION	L0008225	VOLUME	473665.178	3773364.129	310.64
LOCATION	L0008226	VOLUME	473673.766	3773363.938	310.85
LOCATION	L0008227	VOLUME	473682.354	3773363.747	311.00
LOCATION	L0008228	VOLUME	473690.942	3773363.556	311.00
LOCATION	L0008229	VOLUME	473692.895	3773356.865	311.00
LOCATION	L0008230	VOLUME	473692.910	3773348.275	310.85
LOCATION	L0008231	VOLUME	473692.926	3773339.685	310.69
LOCATION	L0008232	VOLUME	473692.941	3773331.095	310.53
LOCATION	L0008233	VOLUME	473692.957	3773322.505	310.38
LOCATION	L0008234	VOLUME	473692.972	3773313.915	310.26
LOCATION	L0008235	VOLUME	473692.988	3773305.325	310.13
LOCATION	L0008236	VOLUME	473693.003	3773296.735	310.01
LOCATION	L0008237	VOLUME	473693.019	3773288.145	310.00
LOCATION	L0008238	VOLUME	473693.034	3773279.555	310.00
LOCATION	L0008239	VOLUME	473693.050	3773270.965	310.00
LOCATION	L0008240	VOLUME	473693.065	3773262.375	310.00
LOCATION	L0008241	VOLUME	473693.081	3773253.785	310.00
LOCATION	L0008242	VOLUME	473693.096	3773245.195	310.00
LOCATION	L0008243	VOLUME	473693.112	3773236.605	310.00

\*\* END OF LINE VOLUME SOURCE ID = SLINE18

\*\* -----

\*\* LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES  
 \*\* LINE VOLUME SOURCE ID = SLINE19  
 \*\* DESCRSRC 30% OUTBOUND DWY 1  
 \*\* PREFIX  
 \*\* LENGTH OF SIDE = 8.59  
 \*\* CONFIGURATION = ADJACENT  
 \*\* EMISSION RATE = 1.916E-06  
 \*\* VERTICAL DIMENSION = 6.99  
 \*\* SZINIT = 3.25  
 \*\* NODES = 5  
 \*\* 473282.576, 3771741.581, 302.00, 3.49, 4.00  
 \*\* 473283.823, 3772056.295, 303.00, 3.49, 4.00  
 \*\* 473284.655, 3772427.550, 304.00, 3.49, 4.00  
 \*\* 473285.070, 3772923.111, 306.00, 3.49, 4.00  
 \*\* 473287.565, 3773304.759, 308.92, 3.49, 4.00

\*\* -----

LOCATION	VOLUME			
L0008244	473282.593	3771745.876	302.00	
L0008245	473282.627	3771754.466	302.00	
L0008246	473282.661	3771763.056	302.00	
L0008247	473282.695	3771771.646	302.00	
L0008248	473282.729	3771780.235	302.00	
L0008249	473282.763	3771788.825	302.00	
L0008250	473282.797	3771797.415	302.00	
L0008251	473282.831	3771806.005	302.00	
L0008252	473282.865	3771814.595	302.00	
L0008253	473282.899	3771823.185	302.00	
L0008254	473282.933	3771831.775	302.00	
L0008255	473282.968	3771840.365	302.00	
L0008256	473283.002	3771848.955	302.00	
L0008257	473283.036	3771857.545	302.00	
L0008258	473283.070	3771866.135	302.00	
L0008259	473283.104	3771874.725	302.00	
L0008260	473283.138	3771883.315	302.00	
L0008261	473283.172	3771891.905	302.00	
L0008262	473283.206	3771900.495	302.00	
L0008263	473283.240	3771909.084	302.00	
L0008264	473283.274	3771917.674	302.00	
L0008265	473283.308	3771926.264	302.00	
L0008266	473283.342	3771934.854	302.00	
L0008267	473283.376	3771943.444	302.00	
L0008268	473283.410	3771952.034	302.19	
L0008269	473283.444	3771960.624	302.48	
L0008270	473283.478	3771969.214	302.76	
L0008271	473283.512	3771977.804	303.00	
L0008272	473283.546	3771986.394	303.00	
L0008273	473283.580	3771994.984	303.00	
L0008274	473283.614	3772003.574	303.00	
L0008275	473283.648	3772012.164	303.00	
L0008276	473283.682	3772020.754	303.00	
L0008277	473283.716	3772029.344	303.00	

LOCATION	L0008278	VOLUME	473283.750	3772037.933	303.00
LOCATION	L0008279	VOLUME	473283.785	3772046.523	303.00
LOCATION	L0008280	VOLUME	473283.819	3772055.113	303.00
LOCATION	L0008281	VOLUME	473283.840	3772063.703	303.00
LOCATION	L0008282	VOLUME	473283.859	3772072.293	302.96
LOCATION	L0008283	VOLUME	473283.878	3772080.883	302.91
LOCATION	L0008284	VOLUME	473283.898	3772089.473	302.85
LOCATION	L0008285	VOLUME	473283.917	3772098.063	302.82
LOCATION	L0008286	VOLUME	473283.936	3772106.653	302.87
LOCATION	L0008287	VOLUME	473283.955	3772115.243	302.93
LOCATION	L0008288	VOLUME	473283.974	3772123.833	302.98
LOCATION	L0008289	VOLUME	473283.994	3772132.423	303.00
LOCATION	L0008290	VOLUME	473284.013	3772141.013	303.00
LOCATION	L0008291	VOLUME	473284.032	3772149.603	303.00
LOCATION	L0008292	VOLUME	473284.051	3772158.193	303.00
LOCATION	L0008293	VOLUME	473284.071	3772166.783	303.00
LOCATION	L0008294	VOLUME	473284.090	3772175.373	303.00
LOCATION	L0008295	VOLUME	473284.109	3772183.963	303.00
LOCATION	L0008296	VOLUME	473284.128	3772192.553	303.21
LOCATION	L0008297	VOLUME	473284.148	3772201.143	303.49
LOCATION	L0008298	VOLUME	473284.167	3772209.733	303.78
LOCATION	L0008299	VOLUME	473284.186	3772218.323	304.00
LOCATION	L0008300	VOLUME	473284.205	3772226.913	304.00
LOCATION	L0008301	VOLUME	473284.225	3772235.503	304.00
LOCATION	L0008302	VOLUME	473284.244	3772244.093	304.00
LOCATION	L0008303	VOLUME	473284.263	3772252.683	304.00
LOCATION	L0008304	VOLUME	473284.282	3772261.273	304.00
LOCATION	L0008305	VOLUME	473284.302	3772269.863	304.00
LOCATION	L0008306	VOLUME	473284.321	3772278.453	304.00
LOCATION	L0008307	VOLUME	473284.340	3772287.043	304.00
LOCATION	L0008308	VOLUME	473284.359	3772295.633	304.00
LOCATION	L0008309	VOLUME	473284.379	3772304.223	304.00
LOCATION	L0008310	VOLUME	473284.398	3772312.813	304.00
LOCATION	L0008311	VOLUME	473284.417	3772321.403	304.00
LOCATION	L0008312	VOLUME	473284.436	3772329.993	304.00
LOCATION	L0008313	VOLUME	473284.455	3772338.583	304.01
LOCATION	L0008314	VOLUME	473284.475	3772347.173	304.06
LOCATION	L0008315	VOLUME	473284.494	3772355.763	304.11
LOCATION	L0008316	VOLUME	473284.513	3772364.353	304.16
LOCATION	L0008317	VOLUME	473284.532	3772372.942	304.17
LOCATION	L0008318	VOLUME	473284.552	3772381.532	304.17
LOCATION	L0008319	VOLUME	473284.571	3772390.122	304.17
LOCATION	L0008320	VOLUME	473284.590	3772398.712	304.16
LOCATION	L0008321	VOLUME	473284.609	3772407.302	304.11
LOCATION	L0008322	VOLUME	473284.629	3772415.892	304.06
LOCATION	L0008323	VOLUME	473284.648	3772424.482	304.01
LOCATION	L0008324	VOLUME	473284.659	3772433.072	304.00
LOCATION	L0008325	VOLUME	473284.667	3772441.662	304.00
LOCATION	L0008326	VOLUME	473284.674	3772450.252	304.00
LOCATION	L0008327	VOLUME	473284.681	3772458.842	304.08

LOCATION	L0008328	VOLUME	473284.688	3772467.432	304.37
LOCATION	L0008329	VOLUME	473284.695	3772476.022	304.66
LOCATION	L0008330	VOLUME	473284.703	3772484.612	304.94
LOCATION	L0008331	VOLUME	473284.710	3772493.202	305.00
LOCATION	L0008332	VOLUME	473284.717	3772501.792	305.00
LOCATION	L0008333	VOLUME	473284.724	3772510.382	305.00
LOCATION	L0008334	VOLUME	473284.731	3772518.972	305.00
LOCATION	L0008335	VOLUME	473284.739	3772527.562	305.00
LOCATION	L0008336	VOLUME	473284.746	3772536.152	305.00
LOCATION	L0008337	VOLUME	473284.753	3772544.742	305.00
LOCATION	L0008338	VOLUME	473284.760	3772553.332	305.00
LOCATION	L0008339	VOLUME	473284.767	3772561.922	305.00
LOCATION	L0008340	VOLUME	473284.775	3772570.512	305.00
LOCATION	L0008341	VOLUME	473284.782	3772579.102	305.00
LOCATION	L0008342	VOLUME	473284.789	3772587.692	305.00
LOCATION	L0008343	VOLUME	473284.796	3772596.282	305.00
LOCATION	L0008344	VOLUME	473284.803	3772604.872	305.00
LOCATION	L0008345	VOLUME	473284.811	3772613.462	305.00
LOCATION	L0008346	VOLUME	473284.818	3772622.052	305.00
LOCATION	L0008347	VOLUME	473284.825	3772630.642	305.00
LOCATION	L0008348	VOLUME	473284.832	3772639.232	305.00
LOCATION	L0008349	VOLUME	473284.840	3772647.822	305.00
LOCATION	L0008350	VOLUME	473284.847	3772656.412	305.00
LOCATION	L0008351	VOLUME	473284.854	3772665.002	305.00
LOCATION	L0008352	VOLUME	473284.861	3772673.592	305.00
LOCATION	L0008353	VOLUME	473284.868	3772682.182	305.00
LOCATION	L0008354	VOLUME	473284.876	3772690.772	305.00
LOCATION	L0008355	VOLUME	473284.883	3772699.362	305.00
LOCATION	L0008356	VOLUME	473284.890	3772707.952	305.00
LOCATION	L0008357	VOLUME	473284.897	3772716.542	305.00
LOCATION	L0008358	VOLUME	473284.904	3772725.132	305.00
LOCATION	L0008359	VOLUME	473284.912	3772733.722	305.00
LOCATION	L0008360	VOLUME	473284.919	3772742.312	305.00
LOCATION	L0008361	VOLUME	473284.926	3772750.902	305.00
LOCATION	L0008362	VOLUME	473284.933	3772759.492	305.00
LOCATION	L0008363	VOLUME	473284.940	3772768.082	305.00
LOCATION	L0008364	VOLUME	473284.948	3772776.672	305.00
LOCATION	L0008365	VOLUME	473284.955	3772785.262	305.00
LOCATION	L0008366	VOLUME	473284.962	3772793.852	305.21
LOCATION	L0008367	VOLUME	473284.969	3772802.442	305.45
LOCATION	L0008368	VOLUME	473284.976	3772811.032	305.69
LOCATION	L0008369	VOLUME	473284.984	3772819.622	305.84
LOCATION	L0008370	VOLUME	473284.991	3772828.212	305.84
LOCATION	L0008371	VOLUME	473284.998	3772836.802	305.84
LOCATION	L0008372	VOLUME	473285.005	3772845.392	305.84
LOCATION	L0008373	VOLUME	473285.012	3772853.982	305.88
LOCATION	L0008374	VOLUME	473285.020	3772862.572	305.93
LOCATION	L0008375	VOLUME	473285.027	3772871.162	305.97
LOCATION	L0008376	VOLUME	473285.034	3772879.752	306.00
LOCATION	L0008377	VOLUME	473285.041	3772888.342	306.00

LOCATION L0008378	VOLUME	473285.048	3772896.932	306.00
LOCATION L0008379	VOLUME	473285.056	3772905.522	306.00
LOCATION L0008380	VOLUME	473285.063	3772914.112	306.00
LOCATION L0008381	VOLUME	473285.070	3772922.702	306.00
LOCATION L0008382	VOLUME	473285.124	3772931.292	306.00
LOCATION L0008383	VOLUME	473285.180	3772939.882	306.00
LOCATION L0008384	VOLUME	473285.236	3772948.472	306.00
LOCATION L0008385	VOLUME	473285.292	3772957.061	306.00
LOCATION L0008386	VOLUME	473285.348	3772965.651	306.00
LOCATION L0008387	VOLUME	473285.405	3772974.241	306.00
LOCATION L0008388	VOLUME	473285.461	3772982.831	306.00
LOCATION L0008389	VOLUME	473285.517	3772991.421	306.00
LOCATION L0008390	VOLUME	473285.573	3773000.011	306.12
LOCATION L0008391	VOLUME	473285.629	3773008.600	306.41
LOCATION L0008392	VOLUME	473285.685	3773017.190	306.69
LOCATION L0008393	VOLUME	473285.741	3773025.780	306.98
LOCATION L0008394	VOLUME	473285.798	3773034.370	307.00
LOCATION L0008395	VOLUME	473285.854	3773042.960	307.00
LOCATION L0008396	VOLUME	473285.910	3773051.549	307.00
LOCATION L0008397	VOLUME	473285.966	3773060.139	307.00
LOCATION L0008398	VOLUME	473286.022	3773068.729	307.00
LOCATION L0008399	VOLUME	473286.078	3773077.319	307.00
LOCATION L0008400	VOLUME	473286.134	3773085.909	307.00
LOCATION L0008401	VOLUME	473286.191	3773094.499	307.24
LOCATION L0008402	VOLUME	473286.247	3773103.088	307.49
LOCATION L0008403	VOLUME	473286.303	3773111.678	307.75
LOCATION L0008404	VOLUME	473286.359	3773120.268	307.90
LOCATION L0008405	VOLUME	473286.415	3773128.858	307.94
LOCATION L0008406	VOLUME	473286.471	3773137.448	307.97
LOCATION L0008407	VOLUME	473286.527	3773146.037	308.00
LOCATION L0008408	VOLUME	473286.584	3773154.627	308.00
LOCATION L0008409	VOLUME	473286.640	3773163.217	308.00
LOCATION L0008410	VOLUME	473286.696	3773171.807	308.00
LOCATION L0008411	VOLUME	473286.752	3773180.397	308.00
LOCATION L0008412	VOLUME	473286.808	3773188.987	308.00
LOCATION L0008413	VOLUME	473286.864	3773197.576	308.00
LOCATION L0008414	VOLUME	473286.920	3773206.166	308.00
LOCATION L0008415	VOLUME	473286.977	3773214.756	308.25
LOCATION L0008416	VOLUME	473287.033	3773223.346	308.52
LOCATION L0008417	VOLUME	473287.089	3773231.936	308.78
LOCATION L0008418	VOLUME	473287.145	3773240.525	308.91
LOCATION L0008419	VOLUME	473287.201	3773249.115	308.91
LOCATION L0008420	VOLUME	473287.257	3773257.705	308.92
LOCATION L0008421	VOLUME	473287.313	3773266.295	308.92
LOCATION L0008422	VOLUME	473287.370	3773274.885	308.92
LOCATION L0008423	VOLUME	473287.426	3773283.474	308.92
LOCATION L0008424	VOLUME	473287.482	3773292.064	308.92
LOCATION L0008425	VOLUME	473287.538	3773300.654	308.93

\*\* END OF LINE VOLUME SOURCE ID = SLINE19

\*\* -----

\*\* LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

\*\* LINE VOLUME SOURCE ID = SLINE20

\*\* DESCRSRC 25% OUTBOUND DWY 2

\*\* PREFIX

\*\* LENGTH OF SIDE = 8.59

\*\* CONFIGURATION = ADJACENT

\*\* EMISSION RATE = 1.87E-06

\*\* VERTICAL DIMENSION = 6.99

\*\* SZINIT = 3.25

\*\* NODES = 6

\*\* 473282.576, 3771741.581, 302.00, 3.49, 4.00

\*\* 473283.823, 3772056.295, 303.00, 3.49, 4.00

\*\* 473284.655, 3772427.550, 304.00, 3.49, 4.00

\*\* 473285.070, 3772923.111, 306.00, 3.49, 4.00

\*\* 473285.648, 3773367.786, 308.87, 3.49, 4.00

\*\* 473490.098, 3773367.378, 310.00, 3.49, 4.00

\*\*

-----

LOCATION L0008426	VOLUME	473282.593	3771745.876	302.00
LOCATION L0008427	VOLUME	473282.627	3771754.466	302.00
LOCATION L0008428	VOLUME	473282.661	3771763.056	302.00
LOCATION L0008429	VOLUME	473282.695	3771771.646	302.00
LOCATION L0008430	VOLUME	473282.729	3771780.235	302.00
LOCATION L0008431	VOLUME	473282.763	3771788.825	302.00
LOCATION L0008432	VOLUME	473282.797	3771797.415	302.00
LOCATION L0008433	VOLUME	473282.831	3771806.005	302.00
LOCATION L0008434	VOLUME	473282.865	3771814.595	302.00
LOCATION L0008435	VOLUME	473282.899	3771823.185	302.00
LOCATION L0008436	VOLUME	473282.933	3771831.775	302.00
LOCATION L0008437	VOLUME	473282.968	3771840.365	302.00
LOCATION L0008438	VOLUME	473283.002	3771848.955	302.00
LOCATION L0008439	VOLUME	473283.036	3771857.545	302.00
LOCATION L0008440	VOLUME	473283.070	3771866.135	302.00
LOCATION L0008441	VOLUME	473283.104	3771874.725	302.00
LOCATION L0008442	VOLUME	473283.138	3771883.315	302.00
LOCATION L0008443	VOLUME	473283.172	3771891.905	302.00
LOCATION L0008444	VOLUME	473283.206	3771900.495	302.00
LOCATION L0008445	VOLUME	473283.240	3771909.084	302.00
LOCATION L0008446	VOLUME	473283.274	3771917.674	302.00
LOCATION L0008447	VOLUME	473283.308	3771926.264	302.00
LOCATION L0008448	VOLUME	473283.342	3771934.854	302.00
LOCATION L0008449	VOLUME	473283.376	3771943.444	302.00
LOCATION L0008450	VOLUME	473283.410	3771952.034	302.19
LOCATION L0008451	VOLUME	473283.444	3771960.624	302.48
LOCATION L0008452	VOLUME	473283.478	3771969.214	302.76
LOCATION L0008453	VOLUME	473283.512	3771977.804	303.00
LOCATION L0008454	VOLUME	473283.546	3771986.394	303.00
LOCATION L0008455	VOLUME	473283.580	3771994.984	303.00
LOCATION L0008456	VOLUME	473283.614	3772003.574	303.00
LOCATION L0008457	VOLUME	473283.648	3772012.164	303.00
LOCATION L0008458	VOLUME	473283.682	3772020.754	303.00

LOCATION L0008459	VOLUME	473283.716	3772029.344	303.00
LOCATION L0008460	VOLUME	473283.750	3772037.933	303.00
LOCATION L0008461	VOLUME	473283.785	3772046.523	303.00
LOCATION L0008462	VOLUME	473283.819	3772055.113	303.00
LOCATION L0008463	VOLUME	473283.840	3772063.703	303.00
LOCATION L0008464	VOLUME	473283.859	3772072.293	302.96
LOCATION L0008465	VOLUME	473283.878	3772080.883	302.91
LOCATION L0008466	VOLUME	473283.898	3772089.473	302.85
LOCATION L0008467	VOLUME	473283.917	3772098.063	302.82
LOCATION L0008468	VOLUME	473283.936	3772106.653	302.87
LOCATION L0008469	VOLUME	473283.955	3772115.243	302.93
LOCATION L0008470	VOLUME	473283.974	3772123.833	302.98
LOCATION L0008471	VOLUME	473283.994	3772132.423	303.00
LOCATION L0008472	VOLUME	473284.013	3772141.013	303.00
LOCATION L0008473	VOLUME	473284.032	3772149.603	303.00
LOCATION L0008474	VOLUME	473284.051	3772158.193	303.00
LOCATION L0008475	VOLUME	473284.071	3772166.783	303.00
LOCATION L0008476	VOLUME	473284.090	3772175.373	303.00
LOCATION L0008477	VOLUME	473284.109	3772183.963	303.00
LOCATION L0008478	VOLUME	473284.128	3772192.553	303.21
LOCATION L0008479	VOLUME	473284.148	3772201.143	303.49
LOCATION L0008480	VOLUME	473284.167	3772209.733	303.78
LOCATION L0008481	VOLUME	473284.186	3772218.323	304.00
LOCATION L0008482	VOLUME	473284.205	3772226.913	304.00
LOCATION L0008483	VOLUME	473284.225	3772235.503	304.00
LOCATION L0008484	VOLUME	473284.244	3772244.093	304.00
LOCATION L0008485	VOLUME	473284.263	3772252.683	304.00
LOCATION L0008486	VOLUME	473284.282	3772261.273	304.00
LOCATION L0008487	VOLUME	473284.302	3772269.863	304.00
LOCATION L0008488	VOLUME	473284.321	3772278.453	304.00
LOCATION L0008489	VOLUME	473284.340	3772287.043	304.00
LOCATION L0008490	VOLUME	473284.359	3772295.633	304.00
LOCATION L0008491	VOLUME	473284.379	3772304.223	304.00
LOCATION L0008492	VOLUME	473284.398	3772312.813	304.00
LOCATION L0008493	VOLUME	473284.417	3772321.403	304.00
LOCATION L0008494	VOLUME	473284.436	3772329.993	304.00
LOCATION L0008495	VOLUME	473284.455	3772338.583	304.01
LOCATION L0008496	VOLUME	473284.475	3772347.173	304.06
LOCATION L0008497	VOLUME	473284.494	3772355.763	304.11
LOCATION L0008498	VOLUME	473284.513	3772364.353	304.16
LOCATION L0008499	VOLUME	473284.532	3772372.942	304.17
LOCATION L0008500	VOLUME	473284.552	3772381.532	304.17
LOCATION L0008501	VOLUME	473284.571	3772390.122	304.17
LOCATION L0008502	VOLUME	473284.590	3772398.712	304.16
LOCATION L0008503	VOLUME	473284.609	3772407.302	304.11
LOCATION L0008504	VOLUME	473284.629	3772415.892	304.06
LOCATION L0008505	VOLUME	473284.648	3772424.482	304.01
LOCATION L0008506	VOLUME	473284.659	3772433.072	304.00
LOCATION L0008507	VOLUME	473284.667	3772441.662	304.00
LOCATION L0008508	VOLUME	473284.674	3772450.252	304.00



LOCATION	L0008509	VOLUME	473284.681	3772458.842	304.08
LOCATION	L0008510	VOLUME	473284.688	3772467.432	304.37
LOCATION	L0008511	VOLUME	473284.695	3772476.022	304.66
LOCATION	L0008512	VOLUME	473284.703	3772484.612	304.94
LOCATION	L0008513	VOLUME	473284.710	3772493.202	305.00
LOCATION	L0008514	VOLUME	473284.717	3772501.792	305.00
LOCATION	L0008515	VOLUME	473284.724	3772510.382	305.00
LOCATION	L0008516	VOLUME	473284.731	3772518.972	305.00
LOCATION	L0008517	VOLUME	473284.739	3772527.562	305.00
LOCATION	L0008518	VOLUME	473284.746	3772536.152	305.00
LOCATION	L0008519	VOLUME	473284.753	3772544.742	305.00
LOCATION	L0008520	VOLUME	473284.760	3772553.332	305.00
LOCATION	L0008521	VOLUME	473284.767	3772561.922	305.00
LOCATION	L0008522	VOLUME	473284.775	3772570.512	305.00
LOCATION	L0008523	VOLUME	473284.782	3772579.102	305.00
LOCATION	L0008524	VOLUME	473284.789	3772587.692	305.00
LOCATION	L0008525	VOLUME	473284.796	3772596.282	305.00
LOCATION	L0008526	VOLUME	473284.803	3772604.872	305.00
LOCATION	L0008527	VOLUME	473284.811	3772613.462	305.00
LOCATION	L0008528	VOLUME	473284.818	3772622.052	305.00
LOCATION	L0008529	VOLUME	473284.825	3772630.642	305.00
LOCATION	L0008530	VOLUME	473284.832	3772639.232	305.00
LOCATION	L0008531	VOLUME	473284.840	3772647.822	305.00
LOCATION	L0008532	VOLUME	473284.847	3772656.412	305.00
LOCATION	L0008533	VOLUME	473284.854	3772665.002	305.00
LOCATION	L0008534	VOLUME	473284.861	3772673.592	305.00
LOCATION	L0008535	VOLUME	473284.868	3772682.182	305.00
LOCATION	L0008536	VOLUME	473284.876	3772690.772	305.00
LOCATION	L0008537	VOLUME	473284.883	3772699.362	305.00
LOCATION	L0008538	VOLUME	473284.890	3772707.952	305.00
LOCATION	L0008539	VOLUME	473284.897	3772716.542	305.00
LOCATION	L0008540	VOLUME	473284.904	3772725.132	305.00
LOCATION	L0008541	VOLUME	473284.912	3772733.722	305.00
LOCATION	L0008542	VOLUME	473284.919	3772742.312	305.00
LOCATION	L0008543	VOLUME	473284.926	3772750.902	305.00
LOCATION	L0008544	VOLUME	473284.933	3772759.492	305.00
LOCATION	L0008545	VOLUME	473284.940	3772768.082	305.00
LOCATION	L0008546	VOLUME	473284.948	3772776.672	305.00
LOCATION	L0008547	VOLUME	473284.955	3772785.262	305.00
LOCATION	L0008548	VOLUME	473284.962	3772793.852	305.21
LOCATION	L0008549	VOLUME	473284.969	3772802.442	305.45
LOCATION	L0008550	VOLUME	473284.976	3772811.032	305.69
LOCATION	L0008551	VOLUME	473284.984	3772819.622	305.84
LOCATION	L0008552	VOLUME	473284.991	3772828.212	305.84
LOCATION	L0008553	VOLUME	473284.998	3772836.802	305.84
LOCATION	L0008554	VOLUME	473285.005	3772845.392	305.84
LOCATION	L0008555	VOLUME	473285.012	3772853.982	305.88
LOCATION	L0008556	VOLUME	473285.020	3772862.572	305.93
LOCATION	L0008557	VOLUME	473285.027	3772871.162	305.97
LOCATION	L0008558	VOLUME	473285.034	3772879.752	306.00

LOCATION	L0008559	VOLUME	473285.041	3772888.342	306.00
LOCATION	L0008560	VOLUME	473285.048	3772896.932	306.00
LOCATION	L0008561	VOLUME	473285.056	3772905.522	306.00
LOCATION	L0008562	VOLUME	473285.063	3772914.112	306.00
LOCATION	L0008563	VOLUME	473285.070	3772922.702	306.00
LOCATION	L0008564	VOLUME	473285.081	3772931.292	306.00
LOCATION	L0008565	VOLUME	473285.092	3772939.882	306.00
LOCATION	L0008566	VOLUME	473285.103	3772948.472	306.00
LOCATION	L0008567	VOLUME	473285.115	3772957.062	306.00
LOCATION	L0008568	VOLUME	473285.126	3772965.652	306.00
LOCATION	L0008569	VOLUME	473285.137	3772974.242	306.00
LOCATION	L0008570	VOLUME	473285.148	3772982.832	306.00
LOCATION	L0008571	VOLUME	473285.159	3772991.422	306.00
LOCATION	L0008572	VOLUME	473285.170	3773000.012	306.12
LOCATION	L0008573	VOLUME	473285.181	3773008.602	306.41
LOCATION	L0008574	VOLUME	473285.193	3773017.192	306.69
LOCATION	L0008575	VOLUME	473285.204	3773025.782	306.98
LOCATION	L0008576	VOLUME	473285.215	3773034.372	307.00
LOCATION	L0008577	VOLUME	473285.226	3773042.962	307.00
LOCATION	L0008578	VOLUME	473285.237	3773051.552	307.00
LOCATION	L0008579	VOLUME	473285.248	3773060.142	307.00
LOCATION	L0008580	VOLUME	473285.260	3773068.732	307.00
LOCATION	L0008581	VOLUME	473285.271	3773077.322	307.00
LOCATION	L0008582	VOLUME	473285.282	3773085.912	307.00
LOCATION	L0008583	VOLUME	473285.293	3773094.502	307.23
LOCATION	L0008584	VOLUME	473285.304	3773103.092	307.48
LOCATION	L0008585	VOLUME	473285.315	3773111.682	307.72
LOCATION	L0008586	VOLUME	473285.326	3773120.272	307.87
LOCATION	L0008587	VOLUME	473285.338	3773128.862	307.91
LOCATION	L0008588	VOLUME	473285.349	3773137.452	307.96
LOCATION	L0008589	VOLUME	473285.360	3773146.042	308.00
LOCATION	L0008590	VOLUME	473285.371	3773154.632	308.00
LOCATION	L0008591	VOLUME	473285.382	3773163.222	308.00
LOCATION	L0008592	VOLUME	473285.393	3773171.812	308.00
LOCATION	L0008593	VOLUME	473285.405	3773180.402	308.00
LOCATION	L0008594	VOLUME	473285.416	3773188.992	308.00
LOCATION	L0008595	VOLUME	473285.427	3773197.582	308.00
LOCATION	L0008596	VOLUME	473285.438	3773206.172	308.00
LOCATION	L0008597	VOLUME	473285.449	3773214.762	308.24
LOCATION	L0008598	VOLUME	473285.460	3773223.352	308.49
LOCATION	L0008599	VOLUME	473285.471	3773231.942	308.73
LOCATION	L0008600	VOLUME	473285.483	3773240.532	308.86
LOCATION	L0008601	VOLUME	473285.494	3773249.122	308.86
LOCATION	L0008602	VOLUME	473285.505	3773257.712	308.86
LOCATION	L0008603	VOLUME	473285.516	3773266.302	308.86
LOCATION	L0008604	VOLUME	473285.527	3773274.892	308.86
LOCATION	L0008605	VOLUME	473285.538	3773283.482	308.86
LOCATION	L0008606	VOLUME	473285.550	3773292.072	308.86
LOCATION	L0008607	VOLUME	473285.561	3773300.662	308.86
LOCATION	L0008608	VOLUME	473285.572	3773309.252	308.86

LOCATION	VOLUME				
L0008609	473285.583	3773317.842	308.86		
L0008610	473285.594	3773326.432	308.86		
L0008611	473285.605	3773335.022	308.86		
L0008612	473285.616	3773343.612	308.86		
L0008613	473285.628	3773352.202	308.86		
L0008614	473285.639	3773360.792	308.86		
L0008615	473287.244	3773367.783	308.92		
L0008616	473295.834	3773367.766	309.00		
L0008617	473304.424	3773367.748	309.00		
L0008618	473313.014	3773367.731	309.00		
L0008619	473321.604	3773367.714	309.00		
L0008620	473330.194	3773367.697	309.00		
L0008621	473338.784	3773367.680	309.00		
L0008622	473347.374	3773367.663	309.00		
L0008623	473355.964	3773367.646	309.21		
L0008624	473364.554	3773367.628	309.49		
L0008625	473373.144	3773367.611	309.78		
L0008626	473381.734	3773367.594	310.00		
L0008627	473390.324	3773367.577	310.00		
L0008628	473398.914	3773367.560	310.00		
L0008629	473407.504	3773367.543	310.00		
L0008630	473416.094	3773367.526	310.00		
L0008631	473424.684	3773367.509	310.00		
L0008632	473433.274	3773367.491	310.00		
L0008633	473441.864	3773367.474	310.00		
L0008634	473450.454	3773367.457	310.00		
L0008635	473459.044	3773367.440	310.00		
L0008636	473467.633	3773367.423	310.00		
L0008637	473476.223	3773367.406	310.00		
L0008638	473484.813	3773367.389	310.00		

\*\* END OF LINE VOLUME SOURCE ID = SLINE20

\*\* -----

\*\* LINE SOURCE REPRESENTED BY ADJACENT VOLUME SOURCES

\*\* LINE VOLUME SOURCE ID = SLINE21

\*\* DESCRSRC 45% OUTBOUND DWY 3

\*\* PREFIX

\*\* LENGTH OF SIDE = 8.59

\*\* CONFIGURATION = ADJACENT

\*\* EMISSION RATE = 3.55E-06

\*\* VERTICAL DIMENSION = 6.99

\*\* SZINIT = 3.25

\*\* NODES = 6

\*\* 473282.576, 3771741.581, 302.00, 3.49, 4.00

\*\* 473283.823, 3772056.295, 303.00, 3.49, 4.00

\*\* 473284.655, 3772427.550, 304.00, 3.49, 4.00

\*\* 473285.070, 3772923.111, 306.00, 3.49, 4.00

\*\* 473285.648, 3773367.786, 308.87, 3.49, 4.00

\*\* 473589.897, 3773365.911, 310.00, 3.49, 4.00

\*\* -----

LOCATION L0008639	VOLUME	473282.593	3771745.876	302.00	
-------------------	--------	------------	-------------	--------	--

LOCATION	L0008640	VOLUME	473282.627	3771754.466	302.00
LOCATION	L0008641	VOLUME	473282.661	3771763.056	302.00
LOCATION	L0008642	VOLUME	473282.695	3771771.646	302.00
LOCATION	L0008643	VOLUME	473282.729	3771780.235	302.00
LOCATION	L0008644	VOLUME	473282.763	3771788.825	302.00
LOCATION	L0008645	VOLUME	473282.797	3771797.415	302.00
LOCATION	L0008646	VOLUME	473282.831	3771806.005	302.00
LOCATION	L0008647	VOLUME	473282.865	3771814.595	302.00
LOCATION	L0008648	VOLUME	473282.899	3771823.185	302.00
LOCATION	L0008649	VOLUME	473282.933	3771831.775	302.00
LOCATION	L0008650	VOLUME	473282.968	3771840.365	302.00
LOCATION	L0008651	VOLUME	473283.002	3771848.955	302.00
LOCATION	L0008652	VOLUME	473283.036	3771857.545	302.00
LOCATION	L0008653	VOLUME	473283.070	3771866.135	302.00
LOCATION	L0008654	VOLUME	473283.104	3771874.725	302.00
LOCATION	L0008655	VOLUME	473283.138	3771883.315	302.00
LOCATION	L0008656	VOLUME	473283.172	3771891.905	302.00
LOCATION	L0008657	VOLUME	473283.206	3771900.495	302.00
LOCATION	L0008658	VOLUME	473283.240	3771909.084	302.00
LOCATION	L0008659	VOLUME	473283.274	3771917.674	302.00
LOCATION	L0008660	VOLUME	473283.308	3771926.264	302.00
LOCATION	L0008661	VOLUME	473283.342	3771934.854	302.00
LOCATION	L0008662	VOLUME	473283.376	3771943.444	302.00
LOCATION	L0008663	VOLUME	473283.410	3771952.034	302.19
LOCATION	L0008664	VOLUME	473283.444	3771960.624	302.48
LOCATION	L0008665	VOLUME	473283.478	3771969.214	302.76
LOCATION	L0008666	VOLUME	473283.512	3771977.804	303.00
LOCATION	L0008667	VOLUME	473283.546	3771986.394	303.00
LOCATION	L0008668	VOLUME	473283.580	3771994.984	303.00
LOCATION	L0008669	VOLUME	473283.614	3772003.574	303.00
LOCATION	L0008670	VOLUME	473283.648	3772012.164	303.00
LOCATION	L0008671	VOLUME	473283.682	3772020.754	303.00
LOCATION	L0008672	VOLUME	473283.716	3772029.344	303.00
LOCATION	L0008673	VOLUME	473283.750	3772037.933	303.00
LOCATION	L0008674	VOLUME	473283.785	3772046.523	303.00
LOCATION	L0008675	VOLUME	473283.819	3772055.113	303.00
LOCATION	L0008676	VOLUME	473283.840	3772063.703	303.00
LOCATION	L0008677	VOLUME	473283.859	3772072.293	302.96
LOCATION	L0008678	VOLUME	473283.878	3772080.883	302.91
LOCATION	L0008679	VOLUME	473283.898	3772089.473	302.85
LOCATION	L0008680	VOLUME	473283.917	3772098.063	302.82
LOCATION	L0008681	VOLUME	473283.936	3772106.653	302.87
LOCATION	L0008682	VOLUME	473283.955	3772115.243	302.93
LOCATION	L0008683	VOLUME	473283.974	3772123.833	302.98
LOCATION	L0008684	VOLUME	473283.994	3772132.423	303.00
LOCATION	L0008685	VOLUME	473284.013	3772141.013	303.00
LOCATION	L0008686	VOLUME	473284.032	3772149.603	303.00
LOCATION	L0008687	VOLUME	473284.051	3772158.193	303.00
LOCATION	L0008688	VOLUME	473284.071	3772166.783	303.00
LOCATION	L0008689	VOLUME	473284.090	3772175.373	303.00

LOCATION	L0008690	VOLUME	473284.109	3772183.963	303.00
LOCATION	L0008691	VOLUME	473284.128	3772192.553	303.21
LOCATION	L0008692	VOLUME	473284.148	3772201.143	303.49
LOCATION	L0008693	VOLUME	473284.167	3772209.733	303.78
LOCATION	L0008694	VOLUME	473284.186	3772218.323	304.00
LOCATION	L0008695	VOLUME	473284.205	3772226.913	304.00
LOCATION	L0008696	VOLUME	473284.225	3772235.503	304.00
LOCATION	L0008697	VOLUME	473284.244	3772244.093	304.00
LOCATION	L0008698	VOLUME	473284.263	3772252.683	304.00
LOCATION	L0008699	VOLUME	473284.282	3772261.273	304.00
LOCATION	L0008700	VOLUME	473284.302	3772269.863	304.00
LOCATION	L0008701	VOLUME	473284.321	3772278.453	304.00
LOCATION	L0008702	VOLUME	473284.340	3772287.043	304.00
LOCATION	L0008703	VOLUME	473284.359	3772295.633	304.00
LOCATION	L0008704	VOLUME	473284.379	3772304.223	304.00
LOCATION	L0008705	VOLUME	473284.398	3772312.813	304.00
LOCATION	L0008706	VOLUME	473284.417	3772321.403	304.00
LOCATION	L0008707	VOLUME	473284.436	3772329.993	304.00
LOCATION	L0008708	VOLUME	473284.455	3772338.583	304.01
LOCATION	L0008709	VOLUME	473284.475	3772347.173	304.06
LOCATION	L0008710	VOLUME	473284.494	3772355.763	304.11
LOCATION	L0008711	VOLUME	473284.513	3772364.353	304.16
LOCATION	L0008712	VOLUME	473284.532	3772372.942	304.17
LOCATION	L0008713	VOLUME	473284.552	3772381.532	304.17
LOCATION	L0008714	VOLUME	473284.571	3772390.122	304.17
LOCATION	L0008715	VOLUME	473284.590	3772398.712	304.16
LOCATION	L0008716	VOLUME	473284.609	3772407.302	304.11
LOCATION	L0008717	VOLUME	473284.629	3772415.892	304.06
LOCATION	L0008718	VOLUME	473284.648	3772424.482	304.01
LOCATION	L0008719	VOLUME	473284.659	3772433.072	304.00
LOCATION	L0008720	VOLUME	473284.667	3772441.662	304.00
LOCATION	L0008721	VOLUME	473284.674	3772450.252	304.00
LOCATION	L0008722	VOLUME	473284.681	3772458.842	304.08
LOCATION	L0008723	VOLUME	473284.688	3772467.432	304.37
LOCATION	L0008724	VOLUME	473284.695	3772476.022	304.66
LOCATION	L0008725	VOLUME	473284.703	3772484.612	304.94
LOCATION	L0008726	VOLUME	473284.710	3772493.202	305.00
LOCATION	L0008727	VOLUME	473284.717	3772501.792	305.00
LOCATION	L0008728	VOLUME	473284.724	3772510.382	305.00
LOCATION	L0008729	VOLUME	473284.731	3772518.972	305.00
LOCATION	L0008730	VOLUME	473284.739	3772527.562	305.00
LOCATION	L0008731	VOLUME	473284.746	3772536.152	305.00
LOCATION	L0008732	VOLUME	473284.753	3772544.742	305.00
LOCATION	L0008733	VOLUME	473284.760	3772553.332	305.00
LOCATION	L0008734	VOLUME	473284.767	3772561.922	305.00
LOCATION	L0008735	VOLUME	473284.775	3772570.512	305.00
LOCATION	L0008736	VOLUME	473284.782	3772579.102	305.00
LOCATION	L0008737	VOLUME	473284.789	3772587.692	305.00
LOCATION	L0008738	VOLUME	473284.796	3772596.282	305.00
LOCATION	L0008739	VOLUME	473284.803	3772604.872	305.00

LOCATION L0008740	VOLUME	473284.811	3772613.462	305.00
LOCATION L0008741	VOLUME	473284.818	3772622.052	305.00
LOCATION L0008742	VOLUME	473284.825	3772630.642	305.00
LOCATION L0008743	VOLUME	473284.832	3772639.232	305.00
LOCATION L0008744	VOLUME	473284.840	3772647.822	305.00
LOCATION L0008745	VOLUME	473284.847	3772656.412	305.00
LOCATION L0008746	VOLUME	473284.854	3772665.002	305.00
LOCATION L0008747	VOLUME	473284.861	3772673.592	305.00
LOCATION L0008748	VOLUME	473284.868	3772682.182	305.00
LOCATION L0008749	VOLUME	473284.876	3772690.772	305.00
LOCATION L0008750	VOLUME	473284.883	3772699.362	305.00
LOCATION L0008751	VOLUME	473284.890	3772707.952	305.00
LOCATION L0008752	VOLUME	473284.897	3772716.542	305.00
LOCATION L0008753	VOLUME	473284.904	3772725.132	305.00
LOCATION L0008754	VOLUME	473284.912	3772733.722	305.00
LOCATION L0008755	VOLUME	473284.919	3772742.312	305.00
LOCATION L0008756	VOLUME	473284.926	3772750.902	305.00
LOCATION L0008757	VOLUME	473284.933	3772759.492	305.00
LOCATION L0008758	VOLUME	473284.940	3772768.082	305.00
LOCATION L0008759	VOLUME	473284.948	3772776.672	305.00
LOCATION L0008760	VOLUME	473284.955	3772785.262	305.00
LOCATION L0008761	VOLUME	473284.962	3772793.852	305.21
LOCATION L0008762	VOLUME	473284.969	3772802.442	305.45
LOCATION L0008763	VOLUME	473284.976	3772811.032	305.69
LOCATION L0008764	VOLUME	473284.984	3772819.622	305.84
LOCATION L0008765	VOLUME	473284.991	3772828.212	305.84
LOCATION L0008766	VOLUME	473284.998	3772836.802	305.84
LOCATION L0008767	VOLUME	473285.005	3772845.392	305.84
LOCATION L0008768	VOLUME	473285.012	3772853.982	305.88
LOCATION L0008769	VOLUME	473285.020	3772862.572	305.93
LOCATION L0008770	VOLUME	473285.027	3772871.162	305.97
LOCATION L0008771	VOLUME	473285.034	3772879.752	306.00
LOCATION L0008772	VOLUME	473285.041	3772888.342	306.00
LOCATION L0008773	VOLUME	473285.048	3772896.932	306.00
LOCATION L0008774	VOLUME	473285.056	3772905.522	306.00
LOCATION L0008775	VOLUME	473285.063	3772914.112	306.00
LOCATION L0008776	VOLUME	473285.070	3772922.702	306.00
LOCATION L0008777	VOLUME	473285.081	3772931.292	306.00
LOCATION L0008778	VOLUME	473285.092	3772939.882	306.00
LOCATION L0008779	VOLUME	473285.103	3772948.472	306.00
LOCATION L0008780	VOLUME	473285.115	3772957.062	306.00
LOCATION L0008781	VOLUME	473285.126	3772965.652	306.00
LOCATION L0008782	VOLUME	473285.137	3772974.242	306.00
LOCATION L0008783	VOLUME	473285.148	3772982.832	306.00
LOCATION L0008784	VOLUME	473285.159	3772991.422	306.00
LOCATION L0008785	VOLUME	473285.170	3773000.012	306.12
LOCATION L0008786	VOLUME	473285.181	3773008.602	306.41
LOCATION L0008787	VOLUME	473285.193	3773017.192	306.69
LOCATION L0008788	VOLUME	473285.204	3773025.782	306.98
LOCATION L0008789	VOLUME	473285.215	3773034.372	307.00

LOCATION L0008790	VOLUME	473285.226	3773042.962	307.00
LOCATION L0008791	VOLUME	473285.237	3773051.552	307.00
LOCATION L0008792	VOLUME	473285.248	3773060.142	307.00
LOCATION L0008793	VOLUME	473285.260	3773068.732	307.00
LOCATION L0008794	VOLUME	473285.271	3773077.322	307.00
LOCATION L0008795	VOLUME	473285.282	3773085.912	307.00
LOCATION L0008796	VOLUME	473285.293	3773094.502	307.23
LOCATION L0008797	VOLUME	473285.304	3773103.092	307.48
LOCATION L0008798	VOLUME	473285.315	3773111.682	307.72
LOCATION L0008799	VOLUME	473285.326	3773120.272	307.87
LOCATION L0008800	VOLUME	473285.338	3773128.862	307.91
LOCATION L0008801	VOLUME	473285.349	3773137.452	307.96
LOCATION L0008802	VOLUME	473285.360	3773146.042	308.00
LOCATION L0008803	VOLUME	473285.371	3773154.632	308.00
LOCATION L0008804	VOLUME	473285.382	3773163.222	308.00
LOCATION L0008805	VOLUME	473285.393	3773171.812	308.00
LOCATION L0008806	VOLUME	473285.405	3773180.402	308.00
LOCATION L0008807	VOLUME	473285.416	3773188.992	308.00
LOCATION L0008808	VOLUME	473285.427	3773197.582	308.00
LOCATION L0008809	VOLUME	473285.438	3773206.172	308.00
LOCATION L0008810	VOLUME	473285.449	3773214.762	308.24
LOCATION L0008811	VOLUME	473285.460	3773223.352	308.49
LOCATION L0008812	VOLUME	473285.471	3773231.942	308.73
LOCATION L0008813	VOLUME	473285.483	3773240.532	308.86
LOCATION L0008814	VOLUME	473285.494	3773249.122	308.86
LOCATION L0008815	VOLUME	473285.505	3773257.712	308.86
LOCATION L0008816	VOLUME	473285.516	3773266.302	308.86
LOCATION L0008817	VOLUME	473285.527	3773274.892	308.86
LOCATION L0008818	VOLUME	473285.538	3773283.482	308.86
LOCATION L0008819	VOLUME	473285.550	3773292.072	308.86
LOCATION L0008820	VOLUME	473285.561	3773300.662	308.86
LOCATION L0008821	VOLUME	473285.572	3773309.252	308.86
LOCATION L0008822	VOLUME	473285.583	3773317.842	308.86
LOCATION L0008823	VOLUME	473285.594	3773326.432	308.86
LOCATION L0008824	VOLUME	473285.605	3773335.022	308.86
LOCATION L0008825	VOLUME	473285.616	3773343.612	308.86
LOCATION L0008826	VOLUME	473285.628	3773352.202	308.86
LOCATION L0008827	VOLUME	473285.639	3773360.792	308.86
LOCATION L0008828	VOLUME	473287.244	3773367.776	308.92
LOCATION L0008829	VOLUME	473295.834	3773367.723	309.00
LOCATION L0008830	VOLUME	473304.423	3773367.670	309.00
LOCATION L0008831	VOLUME	473313.013	3773367.617	309.00
LOCATION L0008832	VOLUME	473321.603	3773367.564	309.00
LOCATION L0008833	VOLUME	473330.193	3773367.511	309.00
LOCATION L0008834	VOLUME	473338.783	3773367.458	309.00
LOCATION L0008835	VOLUME	473347.373	3773367.405	309.00
LOCATION L0008836	VOLUME	473355.963	3773367.352	309.21
LOCATION L0008837	VOLUME	473364.552	3773367.299	309.49
LOCATION L0008838	VOLUME	473373.142	3773367.247	309.78
LOCATION L0008839	VOLUME	473381.732	3773367.194	310.00

LOCATION	L0008840	VOLUME	473390.322	3773367.141	310.00
LOCATION	L0008841	VOLUME	473398.912	3773367.088	310.00
LOCATION	L0008842	VOLUME	473407.502	3773367.035	310.00
LOCATION	L0008843	VOLUME	473416.091	3773366.982	310.00
LOCATION	L0008844	VOLUME	473424.681	3773366.929	310.00
LOCATION	L0008845	VOLUME	473433.271	3773366.876	310.00
LOCATION	L0008846	VOLUME	473441.861	3773366.823	310.00
LOCATION	L0008847	VOLUME	473450.451	3773366.770	310.00
LOCATION	L0008848	VOLUME	473459.041	3773366.717	310.00
LOCATION	L0008849	VOLUME	473467.630	3773366.664	310.00
LOCATION	L0008850	VOLUME	473476.220	3773366.611	310.00
LOCATION	L0008851	VOLUME	473484.810	3773366.558	310.00
LOCATION	L0008852	VOLUME	473493.400	3773366.505	310.00
LOCATION	L0008853	VOLUME	473501.990	3773366.452	310.00
LOCATION	L0008854	VOLUME	473510.580	3773366.399	310.00
LOCATION	L0008855	VOLUME	473519.169	3773366.346	310.00
LOCATION	L0008856	VOLUME	473527.759	3773366.294	310.00
LOCATION	L0008857	VOLUME	473536.349	3773366.241	310.00
LOCATION	L0008858	VOLUME	473544.939	3773366.188	310.00
LOCATION	L0008859	VOLUME	473553.529	3773366.135	310.00
LOCATION	L0008860	VOLUME	473562.119	3773366.082	310.00
LOCATION	L0008861	VOLUME	473570.708	3773366.029	310.00
LOCATION	L0008862	VOLUME	473579.298	3773365.976	310.00
LOCATION	L0008863	VOLUME	473587.888	3773365.923	310.00

\*\* END OF LINE VOLUME SOURCE ID = SLINE21

\*\* SOURCE PARAMETERS \*\*

\*\* LINE VOLUME SOURCE ID = SLINE13

SRCPARAM	L0001014	0.000001005	3.49	4.00	3.25
SRCPARAM	L0001015	0.000001005	3.49	4.00	3.25
SRCPARAM	L0001016	0.000001005	3.49	4.00	3.25
SRCPARAM	L0001017	0.000001005	3.49	4.00	3.25
SRCPARAM	L0001018	0.000001005	3.49	4.00	3.25
SRCPARAM	L0001019	0.000001005	3.49	4.00	3.25
SRCPARAM	L0001020	0.000001005	3.49	4.00	3.25

\*\*

\*\* LINE VOLUME SOURCE ID = SLINE2

SRCPARAM	L0000718	0.000001106	3.49	4.00	3.25
SRCPARAM	L0000719	0.000001106	3.49	4.00	3.25
SRCPARAM	L0000720	0.000001106	3.49	4.00	3.25

\*\*

\*\* LINE VOLUME SOURCE ID = SLINE3

SRCPARAM	L0000721	0.0000009232	3.49	4.00	3.25
SRCPARAM	L0000722	0.0000009232	3.49	4.00	3.25
SRCPARAM	L0000723	0.0000009232	3.49	4.00	3.25
SRCPARAM	L0000724	0.0000009232	3.49	4.00	3.25
SRCPARAM	L0000725	0.0000009232	3.49	4.00	3.25

\*\*

\*\* LINE VOLUME SOURCE ID = SLINE14

SRCPARAM	L0000948	0.000000116	3.49	4.00	3.25
SRCPARAM	L0000949	0.000000116	3.49	4.00	3.25



SRCPARAM L0000950	0.000000116	3.49	4.00	3.25
SRCPARAM L0000951	0.000000116	3.49	4.00	3.25
SRCPARAM L0000952	0.000000116	3.49	4.00	3.25
SRCPARAM L0000953	0.000000116	3.49	4.00	3.25
SRCPARAM L0000954	0.000000116	3.49	4.00	3.25
SRCPARAM L0000955	0.000000116	3.49	4.00	3.25
SRCPARAM L0000956	0.000000116	3.49	4.00	3.25
SRCPARAM L0000957	0.000000116	3.49	4.00	3.25
SRCPARAM L0000958	0.000000116	3.49	4.00	3.25
SRCPARAM L0000959	0.000000116	3.49	4.00	3.25
SRCPARAM L0000960	0.000000116	3.49	4.00	3.25
SRCPARAM L0000961	0.000000116	3.49	4.00	3.25
SRCPARAM L0000962	0.000000116	3.49	4.00	3.25
SRCPARAM L0000963	0.000000116	3.49	4.00	3.25
SRCPARAM L0000964	0.000000116	3.49	4.00	3.25
SRCPARAM L0000965	0.000000116	3.49	4.00	3.25
SRCPARAM L0000966	0.000000116	3.49	4.00	3.25
SRCPARAM L0000967	0.000000116	3.49	4.00	3.25
SRCPARAM L0000968	0.000000116	3.49	4.00	3.25
SRCPARAM L0000969	0.000000116	3.49	4.00	3.25
SRCPARAM L0000970	0.000000116	3.49	4.00	3.25
SRCPARAM L0000971	0.000000116	3.49	4.00	3.25
SRCPARAM L0000972	0.000000116	3.49	4.00	3.25
SRCPARAM L0000973	0.000000116	3.49	4.00	3.25
SRCPARAM L0000974	0.000000116	3.49	4.00	3.25
SRCPARAM L0000975	0.000000116	3.49	4.00	3.25
SRCPARAM L0000976	0.000000116	3.49	4.00	3.25
SRCPARAM L0000977	0.000000116	3.49	4.00	3.25
SRCPARAM L0000978	0.000000116	3.49	4.00	3.25
SRCPARAM L0000979	0.000000116	3.49	4.00	3.25
SRCPARAM L0000980	0.000000116	3.49	4.00	3.25

\*\*

\*\* LINE VOLUME SOURCE ID = SLINE5

SRCPARAM L0000758	0.0000001226	3.49	4.00	3.25
SRCPARAM L0000759	0.0000001226	3.49	4.00	3.25
SRCPARAM L0000760	0.0000001226	3.49	4.00	3.25
SRCPARAM L0000761	0.0000001226	3.49	4.00	3.25
SRCPARAM L0000762	0.0000001226	3.49	4.00	3.25
SRCPARAM L0000763	0.0000001226	3.49	4.00	3.25
SRCPARAM L0000764	0.0000001226	3.49	4.00	3.25
SRCPARAM L0000765	0.0000001226	3.49	4.00	3.25
SRCPARAM L0000766	0.0000001226	3.49	4.00	3.25

\*\*

\*\* LINE VOLUME SOURCE ID = SLINE6

SRCPARAM L0000767	0.00000005146	3.49	4.00	3.25
SRCPARAM L0000768	0.00000005146	3.49	4.00	3.25
SRCPARAM L0000769	0.00000005146	3.49	4.00	3.25
SRCPARAM L0000770	0.00000005146	3.49	4.00	3.25
SRCPARAM L0000771	0.00000005146	3.49	4.00	3.25
SRCPARAM L0000772	0.00000005146	3.49	4.00	3.25

SRCPARAM	L0000773	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000774	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000775	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000776	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000777	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000778	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000779	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000780	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000781	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000782	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000783	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000784	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000785	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000786	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000787	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000788	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000789	0.00000005146	3.49	4.00	3.25
SRCPARAM	L0000790	0.00000005146	3.49	4.00	3.25

\*\*

\*\* LINE VOLUME SOURCE ID = SLINE15

SRCPARAM	L0006062	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006063	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006064	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006065	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006066	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006067	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006068	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006069	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006070	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006071	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006072	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006073	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006074	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006075	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006076	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006077	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006078	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006079	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006080	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006081	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006082	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006083	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006084	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006085	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006086	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006087	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006088	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006089	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006090	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0006091	0.00000001053	3.49	4.00	3.25







SRCPARAM L0006242	0.00000001053	3.49	4.00	3.25
SRCPARAM L0006243	0.00000001053	3.49	4.00	3.25

\*\*

\*\* LINE VOLUME SOURCE ID = SLINE16

SRCPARAM L0007554	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007555	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007556	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007557	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007558	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007559	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007560	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007561	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007562	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007563	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007564	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007565	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007566	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007567	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007568	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007569	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007570	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007571	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007572	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007573	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007574	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007575	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007576	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007577	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007578	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007579	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007580	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007581	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007582	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007583	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007584	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007585	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007586	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007587	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007588	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007589	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007590	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007591	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007592	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007593	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007594	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007595	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007596	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007597	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007598	0.000000008779	3.49	4.00	3.25
SRCPARAM L0007599	0.000000008779	3.49	4.00	3.25

















SRCPARAM L0007948	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007949	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007950	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007951	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007952	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007953	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007954	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007955	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007956	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007957	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007958	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007959	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007960	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007961	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007962	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007963	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007964	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007965	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007966	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007967	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007968	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007969	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007970	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007971	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007972	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007973	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007974	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007975	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007976	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007977	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007978	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007979	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007980	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007981	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007982	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007983	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007984	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007985	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007986	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007987	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007988	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007989	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007990	0.000000007013	3.49	4.00	3.25
SRCPARAM L0007991	0.000000007013	3.49	4.00	3.25

\*\*

\*\* LINE VOLUME SOURCE ID = SLINE18

SRCPARAM L0007992	0.000000008778	3.49	4.00	3.25
SRCPARAM L0007993	0.000000008778	3.49	4.00	3.25
SRCPARAM L0007994	0.000000008778	3.49	4.00	3.25
SRCPARAM L0007995	0.000000008778	3.49	4.00	3.25



















SRCPARAM	L0008394	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008395	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008396	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008397	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008398	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008399	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008400	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008401	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008402	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008403	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008404	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008405	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008406	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008407	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008408	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008409	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008410	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008411	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008412	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008413	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008414	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008415	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008416	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008417	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008418	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008419	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008420	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008421	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008422	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008423	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008424	0.00000001053	3.49	4.00	3.25
SRCPARAM	L0008425	0.00000001053	3.49	4.00	3.25

\*\*

\*\* LINE VOLUME SOURCE ID = SLINE20

SRCPARAM	L0008426	0.000000008779	3.49	4.00	3.25
SRCPARAM	L0008427	0.000000008779	3.49	4.00	3.25
SRCPARAM	L0008428	0.000000008779	3.49	4.00	3.25
SRCPARAM	L0008429	0.000000008779	3.49	4.00	3.25
SRCPARAM	L0008430	0.000000008779	3.49	4.00	3.25
SRCPARAM	L0008431	0.000000008779	3.49	4.00	3.25
SRCPARAM	L0008432	0.000000008779	3.49	4.00	3.25
SRCPARAM	L0008433	0.000000008779	3.49	4.00	3.25
SRCPARAM	L0008434	0.000000008779	3.49	4.00	3.25
SRCPARAM	L0008435	0.000000008779	3.49	4.00	3.25
SRCPARAM	L0008436	0.000000008779	3.49	4.00	3.25
SRCPARAM	L0008437	0.000000008779	3.49	4.00	3.25
SRCPARAM	L0008438	0.000000008779	3.49	4.00	3.25
SRCPARAM	L0008439	0.000000008779	3.49	4.00	3.25
SRCPARAM	L0008440	0.000000008779	3.49	4.00	3.25
SRCPARAM	L0008441	0.000000008779	3.49	4.00	3.25



















SRCPARAM L0008840	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008841	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008842	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008843	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008844	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008845	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008846	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008847	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008848	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008849	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008850	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008851	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008852	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008853	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008854	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008855	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008856	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008857	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008858	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008859	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008860	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008861	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008862	0.00000001578	3.49	4.00	3.25
SRCPARAM L0008863	0.00000001578	3.49	4.00	3.25

\*\* -----

URBANSRC ALL  
 SRCGROUP ALL

SO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD RECEPTOR PATHWAY

\*\*\*\*\*

\*\*

\*\*

RE STARTING  
 INCLUDED "14660 OPS.ROU"

RE FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD METEOROLOGY PATHWAY

\*\*\*\*\*

\*\*

\*\*

ME STARTING  
 SURFFILE RDLD\_V9\_ADJU\RDLD\_V9.SFC  
 PROFFILE RDLD\_V9\_ADJU\RDLD\_V9.PFL  
 SURFDATA 3171 2012  
 UAIRDATA 3190 2012  
 SITEDATA 99999 2012  
 PROFBASE 481.0 METERS



ME FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD OUTPUT PATHWAY

\*\*\*\*\*

\*\*

\*\*

OU STARTING

\*\* AUTO-GENERATED PLOTFILES

PLOTFILE ANNUAL ALL "14660 OPS.AD\AN00GALL.PLT" 31

SUMMFILE "14660 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 3465 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
 0.50  
 ME W187 3465 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

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

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\* 08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 17:18:53

PAGE 1  
 \*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* MODEL SETUP OPTIONS SUMMARY

\*\*\*

-----  
 -----

\*\* Model Options Selected:

- \* Model Uses Regulatory DEFAULT Options
- \* Model Is Setup For Calculation of Average CONCentration Values.
- \* NO GAS DEPOSITION Data Provided.
- \* NO PARTICLE DEPOSITION Data Provided.
- \* Model Uses NO DRY DEPLETION. DDPLETE = F
- \* Model Uses NO WET DEPLETION. WETDPLT = F
- \* Stack-tip Downwash.
- \* Model Accounts for ELEVated Terrain Effects.
- \* Use Calms Processing Routine.
- \* Use Missing Data Processing Routine.
- \* No Exponential Decay.
- \* Model Uses URBAN Dispersion Algorithm for the SBL for 1573 Source(s),  
for Total of 1 Urban Area(s):  
Urban Population = 2035210.0 ; Urban Roughness Length = 1.000 m
- \* Urban Roughness Length of 1.0 Meter Used.
- \* ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET
- \* TEMP\_Sub - Meteorological data includes TEMP substitutions
- \* Model Assumes No FLAGPOLE Receptor Heights.
- \* The User Specified a Pollutant Type of: DPM

\*\*Model Calculates ANNUAL Averages Only

\*\*This Run Includes: 1573 Source(s); 1 Source Group(s); and 46  
Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 1573 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) = 481.00 ; 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 = 4.2 MB of RAM.

\*\*Input Runstream File: aermod.inp

\*\*Output Print File: aermod.out

\*\*Detailed Error/Message File: 14660 OPS.ERR

\*\*File for Summary of Results: 14660 OPS.SUM

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\* 08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 17:18:53

PAGE 2

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

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

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

L0001014	0	0.10050E-05	473379.5	3773292.7	309.9	3.49	4.00
3.25 YES							
L0001015	0	0.10050E-05	473388.1	3773292.6	309.9	3.49	4.00
3.25 YES							
L0001016	0	0.10050E-05	473396.7	3773292.6	309.9	3.49	4.00
3.25 YES							
L0001017	0	0.10050E-05	473405.3	3773292.6	309.9	3.49	4.00
3.25 YES							
L0001018	0	0.10050E-05	473413.9	3773292.6	309.9	3.49	4.00

3.25	YES							
L0001019		0	0.10050E-05	473422.5	3773292.5	309.9	3.49	4.00
3.25	YES							
L0001020		0	0.10050E-05	473431.0	3773292.5	309.9	3.49	4.00
3.25	YES							
L0000718		0	0.11060E-05	473566.0	3773292.4	310.0	3.49	4.00
3.25	YES							
L0000719		0	0.11060E-05	473557.5	3773292.4	310.0	3.49	4.00
3.25	YES							
L0000720		0	0.11060E-05	473548.9	3773292.5	309.9	3.49	4.00
3.25	YES							
L0000721		0	0.92320E-06	473605.3	3773319.3	310.0	3.49	4.00
3.25	YES							
L0000722		0	0.92320E-06	473605.3	3773310.8	310.0	3.49	4.00
3.25	YES							
L0000723		0	0.92320E-06	473605.3	3773302.2	310.0	3.49	4.00
3.25	YES							
L0000724		0	0.92320E-06	473605.3	3773293.6	310.0	3.49	4.00
3.25	YES							
L0000725		0	0.92320E-06	473605.3	3773285.0	310.0	3.49	4.00
3.25	YES							
L0000948		0	0.11600E-06	473297.6	3773308.2	309.0	3.49	4.00
3.25	YES							
L0000949		0	0.11600E-06	473306.2	3773308.1	309.0	3.49	4.00
3.25	YES							
L0000950		0	0.11600E-06	473313.3	3773304.4	309.0	3.49	4.00
3.25	YES							
L0000951		0	0.11600E-06	473319.6	3773298.5	309.0	3.49	4.00
3.25	YES							
L0000952		0	0.11600E-06	473325.8	3773292.6	309.2	3.49	4.00
3.25	YES							
L0000953		0	0.11600E-06	473332.0	3773286.7	309.3	3.49	4.00
3.25	YES							
L0000954		0	0.11600E-06	473338.2	3773280.7	309.3	3.49	4.00
3.25	YES							
L0000955		0	0.11600E-06	473345.4	3773276.6	309.3	3.49	4.00
3.25	YES							
L0000956		0	0.11600E-06	473353.9	3773275.4	309.3	3.49	4.00
3.25	YES							
L0000957		0	0.11600E-06	473362.4	3773275.3	309.3	3.49	4.00
3.25	YES							
L0000958		0	0.11600E-06	473371.0	3773275.3	309.3	3.49	4.00
3.25	YES							
L0000959		0	0.11600E-06	473379.6	3773275.2	309.3	3.49	4.00
3.25	YES							
L0000960		0	0.11600E-06	473388.2	3773275.1	309.3	3.49	4.00
3.25	YES							
L0000961		0	0.11600E-06	473396.8	3773275.1	309.3	3.49	4.00
3.25	YES							
L0000962		0	0.11600E-06	473405.4	3773275.0	309.3	3.49	4.00

3.25	YES	L0000963	0	0.11600E-06	473414.0	3773274.9	309.3	3.49	4.00
3.25	YES	L0000964	0	0.11600E-06	473422.6	3773274.8	309.3	3.49	4.00
3.25	YES	L0000965	0	0.11600E-06	473431.2	3773274.8	309.3	3.49	4.00
3.25	YES	L0000966	0	0.11600E-06	473439.8	3773274.7	309.3	3.49	4.00
3.25	YES	L0000967	0	0.11600E-06	473448.3	3773274.6	309.3	3.49	4.00
3.25	YES	L0000968	0	0.11600E-06	473456.9	3773274.5	309.3	3.49	4.00
3.25	YES	L0000969	0	0.11600E-06	473465.5	3773274.5	309.3	3.49	4.00
3.25	YES	L0000970	0	0.11600E-06	473474.1	3773274.4	309.3	3.49	4.00
3.25	YES	L0000971	0	0.11600E-06	473482.7	3773274.3	309.3	3.49	4.00
3.25	YES	L0000972	0	0.11600E-06	473491.3	3773274.3	309.3	3.49	4.00
3.25	YES								

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 3

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

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

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

L0000973	0	0.11600E-06	473499.9	3773274.2	309.3	3.49	4.00		
3.25	YES	L0000974	0	0.11600E-06	473508.5	3773274.1	309.3	3.49	4.00
3.25	YES	L0000975	0	0.11600E-06	473517.1	3773274.0	309.3	3.49	4.00
3.25	YES	L0000976	0	0.11600E-06	473525.7	3773274.0	309.2	3.49	4.00
3.25	YES	L0000977	0	0.11600E-06	473534.2	3773273.9	309.4	3.49	4.00

3.25	YES							
L0000978		0	0.11600E-06	473542.8	3773273.8	309.6	3.49	4.00
3.25	YES							
L0000979		0	0.11600E-06	473551.4	3773273.8	309.8	3.49	4.00
3.25	YES							
L0000980		0	0.11600E-06	473560.0	3773273.7	310.0	3.49	4.00
3.25	YES							
L0000758		0	0.12260E-06	473487.8	3773355.6	310.0	3.49	4.00
3.25	YES							
L0000759		0	0.12260E-06	473487.8	3773347.0	310.0	3.49	4.00
3.25	YES							
L0000760		0	0.12260E-06	473487.8	3773338.4	310.0	3.49	4.00
3.25	YES							
L0000761		0	0.12260E-06	473487.8	3773329.8	310.0	3.49	4.00
3.25	YES							
L0000762		0	0.12260E-06	473487.8	3773321.2	310.0	3.49	4.00
3.25	YES							
L0000763		0	0.12260E-06	473487.8	3773312.6	310.0	3.49	4.00
3.25	YES							
L0000764		0	0.12260E-06	473487.8	3773304.1	310.0	3.49	4.00
3.25	YES							
L0000765		0	0.12260E-06	473487.8	3773295.5	310.0	3.49	4.00
3.25	YES							
L0000766		0	0.12260E-06	473487.8	3773286.9	309.7	3.49	4.00
3.25	YES							
L0000767		0	0.51460E-07	473586.9	3773356.2	310.0	3.49	4.00
3.25	YES							
L0000768		0	0.51460E-07	473587.0	3773347.6	310.0	3.49	4.00
3.25	YES							
L0000769		0	0.51460E-07	473587.0	3773339.0	310.0	3.49	4.00
3.25	YES							
L0000770		0	0.51460E-07	473587.1	3773330.5	310.0	3.49	4.00
3.25	YES							
L0000771		0	0.51460E-07	473587.2	3773321.9	310.0	3.49	4.00
3.25	YES							
L0000772		0	0.51460E-07	473587.3	3773313.3	310.0	3.49	4.00
3.25	YES							
L0000773		0	0.51460E-07	473587.4	3773304.7	310.0	3.49	4.00
3.25	YES							
L0000774		0	0.51460E-07	473587.5	3773296.1	310.0	3.49	4.00
3.25	YES							
L0000775		0	0.51460E-07	473587.6	3773287.5	310.0	3.49	4.00
3.25	YES							
L0000776		0	0.51460E-07	473587.7	3773278.9	310.0	3.49	4.00
3.25	YES							
L0000777		0	0.51460E-07	473587.8	3773270.3	310.0	3.49	4.00
3.25	YES							
L0000778		0	0.51460E-07	473587.9	3773261.7	310.0	3.49	4.00
3.25	YES							
L0000779		0	0.51460E-07	473592.4	3773255.0	310.0	3.49	4.00

3.25	YES	L0000780	0	0.51460E-07	473600.1	3773251.2	310.0	3.49	4.00
3.25	YES	L0000781	0	0.51460E-07	473607.9	3773247.6	310.0	3.49	4.00
3.25	YES	L0000782	0	0.51460E-07	473615.7	3773244.0	310.0	3.49	4.00
3.25	YES	L0000783	0	0.51460E-07	473623.4	3773240.4	310.0	3.49	4.00
3.25	YES	L0000784	0	0.51460E-07	473631.2	3773236.8	310.0	3.49	4.00
3.25	YES	L0000785	0	0.51460E-07	473639.1	3773233.4	310.0	3.49	4.00
3.25	YES	L0000786	0	0.51460E-07	473647.7	3773233.5	310.0	3.49	4.00
3.25	YES	L0000787	0	0.51460E-07	473656.3	3773233.6	310.0	3.49	4.00
3.25	YES	L0000788	0	0.51460E-07	473664.9	3773233.6	310.0	3.49	4.00
3.25	YES	L0000789	0	0.51460E-07	473673.3	3773235.0	310.0	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 4

\*\*\* 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						

L0000790	0	0.51460E-07	473681.8	3773236.5	310.0	3.49	4.00		
3.25	YES	L0006062	0	0.10530E-07	473282.6	3771745.9	302.0	3.49	4.00
3.25	YES	L0006063	0	0.10530E-07	473282.6	3771754.5	302.0	3.49	4.00
3.25	YES	L0006064	0	0.10530E-07	473282.7	3771763.1	302.0	3.49	4.00
3.25	YES	L0006065	0	0.10530E-07	473282.7	3771771.6	302.0	3.49	4.00

3.25	YES							
L0006066		0	0.10530E-07	473282.7	3771780.2	302.0	3.49	4.00
3.25	YES							
L0006067		0	0.10530E-07	473282.8	3771788.8	302.0	3.49	4.00
3.25	YES							
L0006068		0	0.10530E-07	473282.8	3771797.4	302.0	3.49	4.00
3.25	YES							
L0006069		0	0.10530E-07	473282.8	3771806.0	302.0	3.49	4.00
3.25	YES							
L0006070		0	0.10530E-07	473282.9	3771814.6	302.0	3.49	4.00
3.25	YES							
L0006071		0	0.10530E-07	473282.9	3771823.2	302.0	3.49	4.00
3.25	YES							
L0006072		0	0.10530E-07	473282.9	3771831.8	302.0	3.49	4.00
3.25	YES							
L0006073		0	0.10530E-07	473283.0	3771840.4	302.0	3.49	4.00
3.25	YES							
L0006074		0	0.10530E-07	473283.0	3771849.0	302.0	3.49	4.00
3.25	YES							
L0006075		0	0.10530E-07	473283.0	3771857.5	302.0	3.49	4.00
3.25	YES							
L0006076		0	0.10530E-07	473283.1	3771866.1	302.0	3.49	4.00
3.25	YES							
L0006077		0	0.10530E-07	473283.1	3771874.7	302.0	3.49	4.00
3.25	YES							
L0006078		0	0.10530E-07	473283.1	3771883.3	302.0	3.49	4.00
3.25	YES							
L0006079		0	0.10530E-07	473283.2	3771891.9	302.0	3.49	4.00
3.25	YES							
L0006080		0	0.10530E-07	473283.2	3771900.5	302.0	3.49	4.00
3.25	YES							
L0006081		0	0.10530E-07	473283.2	3771909.1	302.0	3.49	4.00
3.25	YES							
L0006082		0	0.10530E-07	473283.3	3771917.7	302.0	3.49	4.00
3.25	YES							
L0006083		0	0.10530E-07	473283.3	3771926.3	302.0	3.49	4.00
3.25	YES							
L0006084		0	0.10530E-07	473283.3	3771934.9	302.0	3.49	4.00
3.25	YES							
L0006085		0	0.10530E-07	473283.4	3771943.4	302.0	3.49	4.00
3.25	YES							
L0006086		0	0.10530E-07	473283.4	3771952.0	302.2	3.49	4.00
3.25	YES							
L0006087		0	0.10530E-07	473283.4	3771960.6	302.5	3.49	4.00
3.25	YES							
L0006088		0	0.10530E-07	473283.5	3771969.2	302.8	3.49	4.00
3.25	YES							
L0006089		0	0.10530E-07	473283.5	3771977.8	303.0	3.49	4.00
3.25	YES							
L0006090		0	0.10530E-07	473283.5	3771986.4	303.0	3.49	4.00



3.25	YES	L0006091	0	0.10530E-07	473283.6	3771995.0	303.0	3.49	4.00
3.25	YES	L0006092	0	0.10530E-07	473283.6	3772003.6	303.0	3.49	4.00
3.25	YES	L0006093	0	0.10530E-07	473283.6	3772012.2	303.0	3.49	4.00
3.25	YES	L0006094	0	0.10530E-07	473283.7	3772020.8	303.0	3.49	4.00
3.25	YES	L0006095	0	0.10530E-07	473283.7	3772029.3	303.0	3.49	4.00
3.25	YES	L0006096	0	0.10530E-07	473283.8	3772037.9	303.0	3.49	4.00
3.25	YES	L0006097	0	0.10530E-07	473283.8	3772046.5	303.0	3.49	4.00
3.25	YES	L0006098	0	0.10530E-07	473283.8	3772055.1	303.0	3.49	4.00
3.25	YES	L0006099	0	0.10530E-07	473283.8	3772063.7	303.0	3.49	4.00
3.25	YES	L0006100	0	0.10530E-07	473283.9	3772072.3	303.0	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 5

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

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

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

L0006101	0	0.10530E-07	473283.9	3772080.9	302.9	3.49	4.00	
3.25	YES	L0006102	0	0.10530E-07	473283.9	3772089.5	302.9	4.00
3.25	YES	L0006103	0	0.10530E-07	473283.9	3772098.1	302.8	4.00
3.25	YES	L0006104	0	0.10530E-07	473283.9	3772106.7	302.9	4.00
3.25	YES	L0006105	0	0.10530E-07	473284.0	3772115.2	302.9	4.00

3.25	YES							
L0006106		0	0.10530E-07	473284.0	3772123.8	303.0	3.49	4.00
3.25	YES							
L0006107		0	0.10530E-07	473284.0	3772132.4	303.0	3.49	4.00
3.25	YES							
L0006108		0	0.10530E-07	473284.0	3772141.0	303.0	3.49	4.00
3.25	YES							
L0006109		0	0.10530E-07	473284.0	3772149.6	303.0	3.49	4.00
3.25	YES							
L0006110		0	0.10530E-07	473284.1	3772158.2	303.0	3.49	4.00
3.25	YES							
L0006111		0	0.10530E-07	473284.1	3772166.8	303.0	3.49	4.00
3.25	YES							
L0006112		0	0.10530E-07	473284.1	3772175.4	303.0	3.49	4.00
3.25	YES							
L0006113		0	0.10530E-07	473284.1	3772184.0	303.0	3.49	4.00
3.25	YES							
L0006114		0	0.10530E-07	473284.1	3772192.6	303.2	3.49	4.00
3.25	YES							
L0006115		0	0.10530E-07	473284.1	3772201.1	303.5	3.49	4.00
3.25	YES							
L0006116		0	0.10530E-07	473284.2	3772209.7	303.8	3.49	4.00
3.25	YES							
L0006117		0	0.10530E-07	473284.2	3772218.3	304.0	3.49	4.00
3.25	YES							
L0006118		0	0.10530E-07	473284.2	3772226.9	304.0	3.49	4.00
3.25	YES							
L0006119		0	0.10530E-07	473284.2	3772235.5	304.0	3.49	4.00
3.25	YES							
L0006120		0	0.10530E-07	473284.2	3772244.1	304.0	3.49	4.00
3.25	YES							
L0006121		0	0.10530E-07	473284.3	3772252.7	304.0	3.49	4.00
3.25	YES							
L0006122		0	0.10530E-07	473284.3	3772261.3	304.0	3.49	4.00
3.25	YES							
L0006123		0	0.10530E-07	473284.3	3772269.9	304.0	3.49	4.00
3.25	YES							
L0006124		0	0.10530E-07	473284.3	3772278.5	304.0	3.49	4.00
3.25	YES							
L0006125		0	0.10530E-07	473284.3	3772287.0	304.0	3.49	4.00
3.25	YES							
L0006126		0	0.10530E-07	473284.4	3772295.6	304.0	3.49	4.00
3.25	YES							
L0006127		0	0.10530E-07	473284.4	3772304.2	304.0	3.49	4.00
3.25	YES							
L0006128		0	0.10530E-07	473284.4	3772312.8	304.0	3.49	4.00
3.25	YES							
L0006129		0	0.10530E-07	473284.4	3772321.4	304.0	3.49	4.00
3.25	YES							
L0006130		0	0.10530E-07	473284.4	3772330.0	304.0	3.49	4.00

3.25	YES							
L0006131		0	0.10530E-07	473284.5	3772338.6	304.0	3.49	4.00
3.25	YES							
L0006132		0	0.10530E-07	473284.5	3772347.2	304.1	3.49	4.00
3.25	YES							
L0006133		0	0.10530E-07	473284.5	3772355.8	304.1	3.49	4.00
3.25	YES							
L0006134		0	0.10530E-07	473284.5	3772364.4	304.2	3.49	4.00
3.25	YES							
L0006135		0	0.10530E-07	473284.5	3772372.9	304.2	3.49	4.00
3.25	YES							
L0006136		0	0.10530E-07	473284.6	3772381.5	304.2	3.49	4.00
3.25	YES							
L0006137		0	0.10530E-07	473284.6	3772390.1	304.2	3.49	4.00
3.25	YES							
L0006138		0	0.10530E-07	473284.6	3772398.7	304.2	3.49	4.00
3.25	YES							
L0006139		0	0.10530E-07	473284.6	3772407.3	304.1	3.49	4.00
3.25	YES							
L0006140		0	0.10530E-07	473284.6	3772415.9	304.1	3.49	4.00
3.25	YES							

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 6

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

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

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

L0006141		0	0.10530E-07	473284.6	3772424.5	304.0	3.49	4.00
3.25	YES							
L0006142		0	0.10530E-07	473284.7	3772433.1	304.0	3.49	4.00
3.25	YES							
L0006143		0	0.10530E-07	473284.7	3772441.7	304.0	3.49	4.00
3.25	YES							
L0006144		0	0.10530E-07	473284.7	3772450.3	304.0	3.49	4.00
3.25	YES							
L0006145		0	0.10530E-07	473284.7	3772458.8	304.1	3.49	4.00

3.25	YES							
L0006146		0	0.10530E-07	473284.7	3772467.4	304.4	3.49	4.00
3.25	YES							
L0006147		0	0.10530E-07	473284.7	3772476.0	304.7	3.49	4.00
3.25	YES							
L0006148		0	0.10530E-07	473284.7	3772484.6	304.9	3.49	4.00
3.25	YES							
L0006149		0	0.10530E-07	473284.7	3772493.2	305.0	3.49	4.00
3.25	YES							
L0006150		0	0.10530E-07	473284.7	3772501.8	305.0	3.49	4.00
3.25	YES							
L0006151		0	0.10530E-07	473284.7	3772510.4	305.0	3.49	4.00
3.25	YES							
L0006152		0	0.10530E-07	473284.7	3772519.0	305.0	3.49	4.00
3.25	YES							
L0006153		0	0.10530E-07	473284.7	3772527.6	305.0	3.49	4.00
3.25	YES							
L0006154		0	0.10530E-07	473284.7	3772536.2	305.0	3.49	4.00
3.25	YES							
L0006155		0	0.10530E-07	473284.8	3772544.7	305.0	3.49	4.00
3.25	YES							
L0006156		0	0.10530E-07	473284.8	3772553.3	305.0	3.49	4.00
3.25	YES							
L0006157		0	0.10530E-07	473284.8	3772561.9	305.0	3.49	4.00
3.25	YES							
L0006158		0	0.10530E-07	473284.8	3772570.5	305.0	3.49	4.00
3.25	YES							
L0006159		0	0.10530E-07	473284.8	3772579.1	305.0	3.49	4.00
3.25	YES							
L0006160		0	0.10530E-07	473284.8	3772587.7	305.0	3.49	4.00
3.25	YES							
L0006161		0	0.10530E-07	473284.8	3772596.3	305.0	3.49	4.00
3.25	YES							
L0006162		0	0.10530E-07	473284.8	3772604.9	305.0	3.49	4.00
3.25	YES							
L0006163		0	0.10530E-07	473284.8	3772613.5	305.0	3.49	4.00
3.25	YES							
L0006164		0	0.10530E-07	473284.8	3772622.1	305.0	3.49	4.00
3.25	YES							
L0006165		0	0.10530E-07	473284.8	3772630.6	305.0	3.49	4.00
3.25	YES							
L0006166		0	0.10530E-07	473284.8	3772639.2	305.0	3.49	4.00
3.25	YES							
L0006167		0	0.10530E-07	473284.8	3772647.8	305.0	3.49	4.00
3.25	YES							
L0006168		0	0.10530E-07	473284.8	3772656.4	305.0	3.49	4.00
3.25	YES							
L0006169		0	0.10530E-07	473284.9	3772665.0	305.0	3.49	4.00
3.25	YES							
L0006170		0	0.10530E-07	473284.9	3772673.6	305.0	3.49	4.00

3.25	YES							
L0006171		0	0.10530E-07	473284.9	3772682.2	305.0	3.49	4.00
3.25	YES							
L0006172		0	0.10530E-07	473284.9	3772690.8	305.0	3.49	4.00
3.25	YES							
L0006173		0	0.10530E-07	473284.9	3772699.4	305.0	3.49	4.00
3.25	YES							
L0006174		0	0.10530E-07	473284.9	3772708.0	305.0	3.49	4.00
3.25	YES							
L0006175		0	0.10530E-07	473284.9	3772716.5	305.0	3.49	4.00
3.25	YES							
L0006176		0	0.10530E-07	473284.9	3772725.1	305.0	3.49	4.00
3.25	YES							
L0006177		0	0.10530E-07	473284.9	3772733.7	305.0	3.49	4.00
3.25	YES							
L0006178		0	0.10530E-07	473284.9	3772742.3	305.0	3.49	4.00
3.25	YES							
L0006179		0	0.10530E-07	473284.9	3772750.9	305.0	3.49	4.00
3.25	YES							
L0006180		0	0.10530E-07	473284.9	3772759.5	305.0	3.49	4.00
3.25	YES							

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 7

\*\*\* 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						

L0006181		0	0.10530E-07	473284.9	3772768.1	305.0	3.49	4.00
3.25	YES							
L0006182		0	0.10530E-07	473284.9	3772776.7	305.0	3.49	4.00
3.25	YES							
L0006183		0	0.10530E-07	473285.0	3772785.3	305.0	3.49	4.00
3.25	YES							
L0006184		0	0.10530E-07	473285.0	3772793.9	305.2	3.49	4.00
3.25	YES							
L0006185		0	0.10530E-07	473285.0	3772802.4	305.4	3.49	4.00

3.25	YES							
L0006186		0	0.10530E-07	473285.0	3772811.0	305.7	3.49	4.00
3.25	YES							
L0006187		0	0.10530E-07	473285.0	3772819.6	305.8	3.49	4.00
3.25	YES							
L0006188		0	0.10530E-07	473285.0	3772828.2	305.8	3.49	4.00
3.25	YES							
L0006189		0	0.10530E-07	473285.0	3772836.8	305.8	3.49	4.00
3.25	YES							
L0006190		0	0.10530E-07	473285.0	3772845.4	305.8	3.49	4.00
3.25	YES							
L0006191		0	0.10530E-07	473285.0	3772854.0	305.9	3.49	4.00
3.25	YES							
L0006192		0	0.10530E-07	473285.0	3772862.6	305.9	3.49	4.00
3.25	YES							
L0006193		0	0.10530E-07	473285.0	3772871.2	306.0	3.49	4.00
3.25	YES							
L0006194		0	0.10530E-07	473285.0	3772879.8	306.0	3.49	4.00
3.25	YES							
L0006195		0	0.10530E-07	473285.0	3772888.3	306.0	3.49	4.00
3.25	YES							
L0006196		0	0.10530E-07	473285.0	3772896.9	306.0	3.49	4.00
3.25	YES							
L0006197		0	0.10530E-07	473285.1	3772905.5	306.0	3.49	4.00
3.25	YES							
L0006198		0	0.10530E-07	473285.1	3772914.1	306.0	3.49	4.00
3.25	YES							
L0006199		0	0.10530E-07	473285.1	3772922.7	306.0	3.49	4.00
3.25	YES							
L0006200		0	0.10530E-07	473285.1	3772931.3	306.0	3.49	4.00
3.25	YES							
L0006201		0	0.10530E-07	473285.2	3772939.9	306.0	3.49	4.00
3.25	YES							
L0006202		0	0.10530E-07	473285.2	3772948.5	306.0	3.49	4.00
3.25	YES							
L0006203		0	0.10530E-07	473285.3	3772957.1	306.0	3.49	4.00
3.25	YES							
L0006204		0	0.10530E-07	473285.3	3772965.7	306.0	3.49	4.00
3.25	YES							
L0006205		0	0.10530E-07	473285.4	3772974.2	306.0	3.49	4.00
3.25	YES							
L0006206		0	0.10530E-07	473285.5	3772982.8	306.0	3.49	4.00
3.25	YES							
L0006207		0	0.10530E-07	473285.5	3772991.4	306.0	3.49	4.00
3.25	YES							
L0006208		0	0.10530E-07	473285.6	3773000.0	306.1	3.49	4.00
3.25	YES							
L0006209		0	0.10530E-07	473285.6	3773008.6	306.4	3.49	4.00
3.25	YES							
L0006210		0	0.10530E-07	473285.7	3773017.2	306.7	3.49	4.00

3.25	YES	L0006211	0	0.10530E-07	473285.7	3773025.8	307.0	3.49	4.00
3.25	YES	L0006212	0	0.10530E-07	473285.8	3773034.4	307.0	3.49	4.00
3.25	YES	L0006213	0	0.10530E-07	473285.9	3773043.0	307.0	3.49	4.00
3.25	YES	L0006214	0	0.10530E-07	473285.9	3773051.5	307.0	3.49	4.00
3.25	YES	L0006215	0	0.10530E-07	473286.0	3773060.1	307.0	3.49	4.00
3.25	YES	L0006216	0	0.10530E-07	473286.0	3773068.7	307.0	3.49	4.00
3.25	YES	L0006217	0	0.10530E-07	473286.1	3773077.3	307.0	3.49	4.00
3.25	YES	L0006218	0	0.10530E-07	473286.1	3773085.9	307.0	3.49	4.00
3.25	YES	L0006219	0	0.10530E-07	473286.2	3773094.5	307.2	3.49	4.00
3.25	YES	L0006220	0	0.10530E-07	473286.2	3773103.1	307.5	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 8

\*\*\* 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						

L0006221	0	0.10530E-07	473286.3	3773111.7	307.8	3.49	4.00		
3.25	YES	L0006222	0	0.10530E-07	473286.4	3773120.3	307.9	3.49	4.00
3.25	YES	L0006223	0	0.10530E-07	473286.4	3773128.9	307.9	3.49	4.00
3.25	YES	L0006224	0	0.10530E-07	473286.5	3773137.4	308.0	3.49	4.00
3.25	YES	L0006225	0	0.10530E-07	473286.5	3773146.0	308.0	3.49	4.00

3.25	YES							
L0006226		0	0.10530E-07	473286.6	3773154.6	308.0	3.49	4.00
3.25	YES							
L0006227		0	0.10530E-07	473286.6	3773163.2	308.0	3.49	4.00
3.25	YES							
L0006228		0	0.10530E-07	473286.7	3773171.8	308.0	3.49	4.00
3.25	YES							
L0006229		0	0.10530E-07	473286.8	3773180.4	308.0	3.49	4.00
3.25	YES							
L0006230		0	0.10530E-07	473286.8	3773189.0	308.0	3.49	4.00
3.25	YES							
L0006231		0	0.10530E-07	473286.9	3773197.6	308.0	3.49	4.00
3.25	YES							
L0006232		0	0.10530E-07	473286.9	3773206.2	308.0	3.49	4.00
3.25	YES							
L0006233		0	0.10530E-07	473287.0	3773214.8	308.2	3.49	4.00
3.25	YES							
L0006234		0	0.10530E-07	473287.0	3773223.3	308.5	3.49	4.00
3.25	YES							
L0006235		0	0.10530E-07	473287.1	3773231.9	308.8	3.49	4.00
3.25	YES							
L0006236		0	0.10530E-07	473287.1	3773240.5	308.9	3.49	4.00
3.25	YES							
L0006237		0	0.10530E-07	473287.2	3773249.1	308.9	3.49	4.00
3.25	YES							
L0006238		0	0.10530E-07	473287.3	3773257.7	308.9	3.49	4.00
3.25	YES							
L0006239		0	0.10530E-07	473287.3	3773266.3	308.9	3.49	4.00
3.25	YES							
L0006240		0	0.10530E-07	473287.4	3773274.9	308.9	3.49	4.00
3.25	YES							
L0006241		0	0.10530E-07	473287.4	3773283.5	308.9	3.49	4.00
3.25	YES							
L0006242		0	0.10530E-07	473287.5	3773292.1	308.9	3.49	4.00
3.25	YES							
L0006243		0	0.10530E-07	473287.5	3773300.7	308.9	3.49	4.00
3.25	YES							
L0007554		0	0.87790E-08	473282.6	3771745.9	302.0	3.49	4.00
3.25	YES							
L0007555		0	0.87790E-08	473282.6	3771754.5	302.0	3.49	4.00
3.25	YES							
L0007556		0	0.87790E-08	473282.7	3771763.1	302.0	3.49	4.00
3.25	YES							
L0007557		0	0.87790E-08	473282.7	3771771.6	302.0	3.49	4.00
3.25	YES							
L0007558		0	0.87790E-08	473282.7	3771780.2	302.0	3.49	4.00
3.25	YES							
L0007559		0	0.87790E-08	473282.8	3771788.8	302.0	3.49	4.00
3.25	YES							
L0007560		0	0.87790E-08	473282.8	3771797.4	302.0	3.49	4.00



3.25	YES	L0007561	0	0.87790E-08	473282.8	3771806.0	302.0	3.49	4.00
3.25	YES	L0007562	0	0.87790E-08	473282.9	3771814.6	302.0	3.49	4.00
3.25	YES	L0007563	0	0.87790E-08	473282.9	3771823.2	302.0	3.49	4.00
3.25	YES	L0007564	0	0.87790E-08	473282.9	3771831.8	302.0	3.49	4.00
3.25	YES	L0007565	0	0.87790E-08	473283.0	3771840.4	302.0	3.49	4.00
3.25	YES	L0007566	0	0.87790E-08	473283.0	3771849.0	302.0	3.49	4.00
3.25	YES	L0007567	0	0.87790E-08	473283.0	3771857.5	302.0	3.49	4.00
3.25	YES	L0007568	0	0.87790E-08	473283.1	3771866.1	302.0	3.49	4.00
3.25	YES	L0007569	0	0.87790E-08	473283.1	3771874.7	302.0	3.49	4.00
3.25	YES	L0007570	0	0.87790E-08	473283.1	3771883.3	302.0	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 9

\*\*\* 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						

L0007571	0	0.87790E-08	473283.2	3771891.9	302.0	3.49	4.00		
3.25	YES	L0007572	0	0.87790E-08	473283.2	3771900.5	302.0	3.49	4.00
3.25	YES	L0007573	0	0.87790E-08	473283.2	3771909.1	302.0	3.49	4.00
3.25	YES	L0007574	0	0.87790E-08	473283.3	3771917.7	302.0	3.49	4.00
3.25	YES	L0007575	0	0.87790E-08	473283.3	3771926.3	302.0	3.49	4.00

3.25	YES							
L0007576		0	0.87790E-08	473283.3	3771934.9	302.0	3.49	4.00
3.25	YES							
L0007577		0	0.87790E-08	473283.4	3771943.4	302.0	3.49	4.00
3.25	YES							
L0007578		0	0.87790E-08	473283.4	3771952.0	302.2	3.49	4.00
3.25	YES							
L0007579		0	0.87790E-08	473283.4	3771960.6	302.5	3.49	4.00
3.25	YES							
L0007580		0	0.87790E-08	473283.5	3771969.2	302.8	3.49	4.00
3.25	YES							
L0007581		0	0.87790E-08	473283.5	3771977.8	303.0	3.49	4.00
3.25	YES							
L0007582		0	0.87790E-08	473283.5	3771986.4	303.0	3.49	4.00
3.25	YES							
L0007583		0	0.87790E-08	473283.6	3771995.0	303.0	3.49	4.00
3.25	YES							
L0007584		0	0.87790E-08	473283.6	3772003.6	303.0	3.49	4.00
3.25	YES							
L0007585		0	0.87790E-08	473283.6	3772012.2	303.0	3.49	4.00
3.25	YES							
L0007586		0	0.87790E-08	473283.7	3772020.8	303.0	3.49	4.00
3.25	YES							
L0007587		0	0.87790E-08	473283.7	3772029.3	303.0	3.49	4.00
3.25	YES							
L0007588		0	0.87790E-08	473283.8	3772037.9	303.0	3.49	4.00
3.25	YES							
L0007589		0	0.87790E-08	473283.8	3772046.5	303.0	3.49	4.00
3.25	YES							
L0007590		0	0.87790E-08	473283.8	3772055.1	303.0	3.49	4.00
3.25	YES							
L0007591		0	0.87790E-08	473283.8	3772063.7	303.0	3.49	4.00
3.25	YES							
L0007592		0	0.87790E-08	473283.9	3772072.3	303.0	3.49	4.00
3.25	YES							
L0007593		0	0.87790E-08	473283.9	3772080.9	302.9	3.49	4.00
3.25	YES							
L0007594		0	0.87790E-08	473283.9	3772089.5	302.9	3.49	4.00
3.25	YES							
L0007595		0	0.87790E-08	473283.9	3772098.1	302.8	3.49	4.00
3.25	YES							
L0007596		0	0.87790E-08	473283.9	3772106.7	302.9	3.49	4.00
3.25	YES							
L0007597		0	0.87790E-08	473284.0	3772115.2	302.9	3.49	4.00
3.25	YES							
L0007598		0	0.87790E-08	473284.0	3772123.8	303.0	3.49	4.00
3.25	YES							
L0007599		0	0.87790E-08	473284.0	3772132.4	303.0	3.49	4.00
3.25	YES							
L0007600		0	0.87790E-08	473284.0	3772141.0	303.0	3.49	4.00

3.25	YES	L0007601	0	0.87790E-08	473284.0	3772149.6	303.0	3.49	4.00
3.25	YES	L0007602	0	0.87790E-08	473284.1	3772158.2	303.0	3.49	4.00
3.25	YES	L0007603	0	0.87790E-08	473284.1	3772166.8	303.0	3.49	4.00
3.25	YES	L0007604	0	0.87790E-08	473284.1	3772175.4	303.0	3.49	4.00
3.25	YES	L0007605	0	0.87790E-08	473284.1	3772184.0	303.0	3.49	4.00
3.25	YES	L0007606	0	0.87790E-08	473284.1	3772192.6	303.2	3.49	4.00
3.25	YES	L0007607	0	0.87790E-08	473284.1	3772201.1	303.5	3.49	4.00
3.25	YES	L0007608	0	0.87790E-08	473284.2	3772209.7	303.8	3.49	4.00
3.25	YES	L0007609	0	0.87790E-08	473284.2	3772218.3	304.0	3.49	4.00
3.25	YES	L0007610	0	0.87790E-08	473284.2	3772226.9	304.0	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 10

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

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

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

L0007611	0	0.87790E-08	473284.2	3772235.5	304.0	3.49	4.00		
3.25	YES	L0007612	0	0.87790E-08	473284.2	3772244.1	304.0	3.49	4.00
3.25	YES	L0007613	0	0.87790E-08	473284.3	3772252.7	304.0	3.49	4.00
3.25	YES	L0007614	0	0.87790E-08	473284.3	3772261.3	304.0	3.49	4.00
3.25	YES	L0007615	0	0.87790E-08	473284.3	3772269.9	304.0	3.49	4.00

3.25	YES							
L0007616		0	0.87790E-08	473284.3	3772278.5	304.0	3.49	4.00
3.25	YES							
L0007617		0	0.87790E-08	473284.3	3772287.0	304.0	3.49	4.00
3.25	YES							
L0007618		0	0.87790E-08	473284.4	3772295.6	304.0	3.49	4.00
3.25	YES							
L0007619		0	0.87790E-08	473284.4	3772304.2	304.0	3.49	4.00
3.25	YES							
L0007620		0	0.87790E-08	473284.4	3772312.8	304.0	3.49	4.00
3.25	YES							
L0007621		0	0.87790E-08	473284.4	3772321.4	304.0	3.49	4.00
3.25	YES							
L0007622		0	0.87790E-08	473284.4	3772330.0	304.0	3.49	4.00
3.25	YES							
L0007623		0	0.87790E-08	473284.5	3772338.6	304.0	3.49	4.00
3.25	YES							
L0007624		0	0.87790E-08	473284.5	3772347.2	304.1	3.49	4.00
3.25	YES							
L0007625		0	0.87790E-08	473284.5	3772355.8	304.1	3.49	4.00
3.25	YES							
L0007626		0	0.87790E-08	473284.5	3772364.4	304.2	3.49	4.00
3.25	YES							
L0007627		0	0.87790E-08	473284.5	3772372.9	304.2	3.49	4.00
3.25	YES							
L0007628		0	0.87790E-08	473284.6	3772381.5	304.2	3.49	4.00
3.25	YES							
L0007629		0	0.87790E-08	473284.6	3772390.1	304.2	3.49	4.00
3.25	YES							
L0007630		0	0.87790E-08	473284.6	3772398.7	304.2	3.49	4.00
3.25	YES							
L0007631		0	0.87790E-08	473284.6	3772407.3	304.1	3.49	4.00
3.25	YES							
L0007632		0	0.87790E-08	473284.6	3772415.9	304.1	3.49	4.00
3.25	YES							
L0007633		0	0.87790E-08	473284.6	3772424.5	304.0	3.49	4.00
3.25	YES							
L0007634		0	0.87790E-08	473284.7	3772433.1	304.0	3.49	4.00
3.25	YES							
L0007635		0	0.87790E-08	473284.7	3772441.7	304.0	3.49	4.00
3.25	YES							
L0007636		0	0.87790E-08	473284.7	3772450.3	304.0	3.49	4.00
3.25	YES							
L0007637		0	0.87790E-08	473284.7	3772458.8	304.1	3.49	4.00
3.25	YES							
L0007638		0	0.87790E-08	473284.7	3772467.4	304.4	3.49	4.00
3.25	YES							
L0007639		0	0.87790E-08	473284.7	3772476.0	304.7	3.49	4.00
3.25	YES							
L0007640		0	0.87790E-08	473284.7	3772484.6	304.9	3.49	4.00

3.25	YES							
L0007641		0	0.87790E-08	473284.7	3772493.2	305.0	3.49	4.00
3.25	YES							
L0007642		0	0.87790E-08	473284.7	3772501.8	305.0	3.49	4.00
3.25	YES							
L0007643		0	0.87790E-08	473284.7	3772510.4	305.0	3.49	4.00
3.25	YES							
L0007644		0	0.87790E-08	473284.7	3772519.0	305.0	3.49	4.00
3.25	YES							
L0007645		0	0.87790E-08	473284.7	3772527.6	305.0	3.49	4.00
3.25	YES							
L0007646		0	0.87790E-08	473284.7	3772536.2	305.0	3.49	4.00
3.25	YES							
L0007647		0	0.87790E-08	473284.8	3772544.7	305.0	3.49	4.00
3.25	YES							
L0007648		0	0.87790E-08	473284.8	3772553.3	305.0	3.49	4.00
3.25	YES							
L0007649		0	0.87790E-08	473284.8	3772561.9	305.0	3.49	4.00
3.25	YES							
L0007650		0	0.87790E-08	473284.8	3772570.5	305.0	3.49	4.00
3.25	YES							

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 11

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

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

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

L0007651		0	0.87790E-08	473284.8	3772579.1	305.0	3.49	4.00
3.25	YES							
L0007652		0	0.87790E-08	473284.8	3772587.7	305.0	3.49	4.00
3.25	YES							
L0007653		0	0.87790E-08	473284.8	3772596.3	305.0	3.49	4.00
3.25	YES							
L0007654		0	0.87790E-08	473284.8	3772604.9	305.0	3.49	4.00
3.25	YES							
L0007655		0	0.87790E-08	473284.8	3772613.5	305.0	3.49	4.00

3.25	YES							
L0007656		0	0.87790E-08	473284.8	3772622.1	305.0	3.49	4.00
3.25	YES							
L0007657		0	0.87790E-08	473284.8	3772630.6	305.0	3.49	4.00
3.25	YES							
L0007658		0	0.87790E-08	473284.8	3772639.2	305.0	3.49	4.00
3.25	YES							
L0007659		0	0.87790E-08	473284.8	3772647.8	305.0	3.49	4.00
3.25	YES							
L0007660		0	0.87790E-08	473284.8	3772656.4	305.0	3.49	4.00
3.25	YES							
L0007661		0	0.87790E-08	473284.9	3772665.0	305.0	3.49	4.00
3.25	YES							
L0007662		0	0.87790E-08	473284.9	3772673.6	305.0	3.49	4.00
3.25	YES							
L0007663		0	0.87790E-08	473284.9	3772682.2	305.0	3.49	4.00
3.25	YES							
L0007664		0	0.87790E-08	473284.9	3772690.8	305.0	3.49	4.00
3.25	YES							
L0007665		0	0.87790E-08	473284.9	3772699.4	305.0	3.49	4.00
3.25	YES							
L0007666		0	0.87790E-08	473284.9	3772708.0	305.0	3.49	4.00
3.25	YES							
L0007667		0	0.87790E-08	473284.9	3772716.5	305.0	3.49	4.00
3.25	YES							
L0007668		0	0.87790E-08	473284.9	3772725.1	305.0	3.49	4.00
3.25	YES							
L0007669		0	0.87790E-08	473284.9	3772733.7	305.0	3.49	4.00
3.25	YES							
L0007670		0	0.87790E-08	473284.9	3772742.3	305.0	3.49	4.00
3.25	YES							
L0007671		0	0.87790E-08	473284.9	3772750.9	305.0	3.49	4.00
3.25	YES							
L0007672		0	0.87790E-08	473284.9	3772759.5	305.0	3.49	4.00
3.25	YES							
L0007673		0	0.87790E-08	473284.9	3772768.1	305.0	3.49	4.00
3.25	YES							
L0007674		0	0.87790E-08	473284.9	3772776.7	305.0	3.49	4.00
3.25	YES							
L0007675		0	0.87790E-08	473285.0	3772785.3	305.0	3.49	4.00
3.25	YES							
L0007676		0	0.87790E-08	473285.0	3772793.9	305.2	3.49	4.00
3.25	YES							
L0007677		0	0.87790E-08	473285.0	3772802.4	305.4	3.49	4.00
3.25	YES							
L0007678		0	0.87790E-08	473285.0	3772811.0	305.7	3.49	4.00
3.25	YES							
L0007679		0	0.87790E-08	473285.0	3772819.6	305.8	3.49	4.00
3.25	YES							
L0007680		0	0.87790E-08	473285.0	3772828.2	305.8	3.49	4.00

3.25	YES							
L0007681		0	0.87790E-08	473285.0	3772836.8	305.8	3.49	4.00
3.25	YES							
L0007682		0	0.87790E-08	473285.0	3772845.4	305.8	3.49	4.00
3.25	YES							
L0007683		0	0.87790E-08	473285.0	3772854.0	305.9	3.49	4.00
3.25	YES							
L0007684		0	0.87790E-08	473285.0	3772862.6	305.9	3.49	4.00
3.25	YES							
L0007685		0	0.87790E-08	473285.0	3772871.2	306.0	3.49	4.00
3.25	YES							
L0007686		0	0.87790E-08	473285.0	3772879.8	306.0	3.49	4.00
3.25	YES							
L0007687		0	0.87790E-08	473285.0	3772888.3	306.0	3.49	4.00
3.25	YES							
L0007688		0	0.87790E-08	473285.0	3772896.9	306.0	3.49	4.00
3.25	YES							
L0007689		0	0.87790E-08	473285.1	3772905.5	306.0	3.49	4.00
3.25	YES							
L0007690		0	0.87790E-08	473285.1	3772914.1	306.0	3.49	4.00
3.25	YES							

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 12

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

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

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

L0007691		0	0.87790E-08	473285.1	3772922.7	306.0	3.49	4.00
3.25	YES							
L0007692		0	0.87790E-08	473285.1	3772931.3	306.0	3.49	4.00
3.25	YES							
L0007693		0	0.87790E-08	473285.1	3772939.9	306.0	3.49	4.00
3.25	YES							
L0007694		0	0.87790E-08	473285.1	3772948.5	306.0	3.49	4.00
3.25	YES							
L0007695		0	0.87790E-08	473285.1	3772957.1	306.0	3.49	4.00

3.25	YES							
L0007696		0	0.87790E-08	473285.1	3772965.7	306.0	3.49	4.00
3.25	YES							
L0007697		0	0.87790E-08	473285.1	3772974.2	306.0	3.49	4.00
3.25	YES							
L0007698		0	0.87790E-08	473285.1	3772982.8	306.0	3.49	4.00
3.25	YES							
L0007699		0	0.87790E-08	473285.2	3772991.4	306.0	3.49	4.00
3.25	YES							
L0007700		0	0.87790E-08	473285.2	3773000.0	306.1	3.49	4.00
3.25	YES							
L0007701		0	0.87790E-08	473285.2	3773008.6	306.4	3.49	4.00
3.25	YES							
L0007702		0	0.87790E-08	473285.2	3773017.2	306.7	3.49	4.00
3.25	YES							
L0007703		0	0.87790E-08	473285.2	3773025.8	307.0	3.49	4.00
3.25	YES							
L0007704		0	0.87790E-08	473285.2	3773034.4	307.0	3.49	4.00
3.25	YES							
L0007705		0	0.87790E-08	473285.2	3773043.0	307.0	3.49	4.00
3.25	YES							
L0007706		0	0.87790E-08	473285.2	3773051.6	307.0	3.49	4.00
3.25	YES							
L0007707		0	0.87790E-08	473285.2	3773060.1	307.0	3.49	4.00
3.25	YES							
L0007708		0	0.87790E-08	473285.3	3773068.7	307.0	3.49	4.00
3.25	YES							
L0007709		0	0.87790E-08	473285.3	3773077.3	307.0	3.49	4.00
3.25	YES							
L0007710		0	0.87790E-08	473285.3	3773085.9	307.0	3.49	4.00
3.25	YES							
L0007711		0	0.87790E-08	473285.3	3773094.5	307.2	3.49	4.00
3.25	YES							
L0007712		0	0.87790E-08	473285.3	3773103.1	307.5	3.49	4.00
3.25	YES							
L0007713		0	0.87790E-08	473285.3	3773111.7	307.7	3.49	4.00
3.25	YES							
L0007714		0	0.87790E-08	473285.3	3773120.3	307.9	3.49	4.00
3.25	YES							
L0007715		0	0.87790E-08	473285.3	3773128.9	307.9	3.49	4.00
3.25	YES							
L0007716		0	0.87790E-08	473285.3	3773137.5	308.0	3.49	4.00
3.25	YES							
L0007717		0	0.87790E-08	473285.4	3773146.0	308.0	3.49	4.00
3.25	YES							
L0007718		0	0.87790E-08	473285.4	3773154.6	308.0	3.49	4.00
3.25	YES							
L0007719		0	0.87790E-08	473285.4	3773163.2	308.0	3.49	4.00
3.25	YES							
L0007720		0	0.87790E-08	473285.4	3773171.8	308.0	3.49	4.00



3.25	YES	L0007721	0	0.87790E-08	473285.4	3773180.4	308.0	3.49	4.00
3.25	YES	L0007722	0	0.87790E-08	473285.4	3773189.0	308.0	3.49	4.00
3.25	YES	L0007723	0	0.87790E-08	473285.4	3773197.6	308.0	3.49	4.00
3.25	YES	L0007724	0	0.87790E-08	473285.4	3773206.2	308.0	3.49	4.00
3.25	YES	L0007725	0	0.87790E-08	473285.4	3773214.8	308.2	3.49	4.00
3.25	YES	L0007726	0	0.87790E-08	473285.5	3773223.4	308.5	3.49	4.00
3.25	YES	L0007727	0	0.87790E-08	473285.5	3773231.9	308.7	3.49	4.00
3.25	YES	L0007728	0	0.87790E-08	473285.5	3773240.5	308.9	3.49	4.00
3.25	YES	L0007729	0	0.87790E-08	473285.5	3773249.1	308.9	3.49	4.00
3.25	YES	L0007730	0	0.87790E-08	473285.5	3773257.7	308.9	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 13

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

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

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

L0007731	0	0.87790E-08	473285.5	3773266.3	308.9	3.49	4.00		
3.25	YES	L0007732	0	0.87790E-08	473285.5	3773274.9	308.9	3.49	4.00
3.25	YES	L0007733	0	0.87790E-08	473285.5	3773283.5	308.9	3.49	4.00
3.25	YES	L0007734	0	0.87790E-08	473285.5	3773292.1	308.9	3.49	4.00
3.25	YES	L0007735	0	0.87790E-08	473285.6	3773300.7	308.9	3.49	4.00

3.25	YES							
L0007736		0	0.87790E-08	473285.6	3773309.3	308.9	3.49	4.00
3.25	YES							
L0007737		0	0.87790E-08	473285.6	3773317.8	308.9	3.49	4.00
3.25	YES							
L0007738		0	0.87790E-08	473285.6	3773326.4	308.9	3.49	4.00
3.25	YES							
L0007739		0	0.87790E-08	473285.6	3773335.0	308.9	3.49	4.00
3.25	YES							
L0007740		0	0.87790E-08	473285.6	3773343.6	308.9	3.49	4.00
3.25	YES							
L0007741		0	0.87790E-08	473285.6	3773352.2	308.9	3.49	4.00
3.25	YES							
L0007742		0	0.87790E-08	473285.6	3773360.8	308.9	3.49	4.00
3.25	YES							
L0007743		0	0.87790E-08	473287.2	3773367.8	308.9	3.49	4.00
3.25	YES							
L0007744		0	0.87790E-08	473295.8	3773367.8	309.0	3.49	4.00
3.25	YES							
L0007745		0	0.87790E-08	473304.4	3773367.7	309.0	3.49	4.00
3.25	YES							
L0007746		0	0.87790E-08	473313.0	3773367.7	309.0	3.49	4.00
3.25	YES							
L0007747		0	0.87790E-08	473321.6	3773367.7	309.0	3.49	4.00
3.25	YES							
L0007748		0	0.87790E-08	473330.2	3773367.7	309.0	3.49	4.00
3.25	YES							
L0007749		0	0.87790E-08	473338.8	3773367.7	309.0	3.49	4.00
3.25	YES							
L0007750		0	0.87790E-08	473347.4	3773367.7	309.0	3.49	4.00
3.25	YES							
L0007751		0	0.87790E-08	473356.0	3773367.6	309.2	3.49	4.00
3.25	YES							
L0007752		0	0.87790E-08	473364.6	3773367.6	309.5	3.49	4.00
3.25	YES							
L0007753		0	0.87790E-08	473373.1	3773367.6	309.8	3.49	4.00
3.25	YES							
L0007754		0	0.87790E-08	473381.7	3773367.6	310.0	3.49	4.00
3.25	YES							
L0007755		0	0.87790E-08	473390.3	3773367.6	310.0	3.49	4.00
3.25	YES							
L0007756		0	0.87790E-08	473398.9	3773367.6	310.0	3.49	4.00
3.25	YES							
L0007757		0	0.87790E-08	473407.5	3773367.5	310.0	3.49	4.00
3.25	YES							
L0007758		0	0.87790E-08	473416.1	3773367.5	310.0	3.49	4.00
3.25	YES							
L0007759		0	0.87790E-08	473424.7	3773367.5	310.0	3.49	4.00
3.25	YES							
L0007760		0	0.87790E-08	473433.3	3773367.5	310.0	3.49	4.00

3.25	YES							
L0007761		0	0.87790E-08	473441.9	3773367.5	310.0	3.49	4.00
3.25	YES							
L0007762		0	0.87790E-08	473450.5	3773367.5	310.0	3.49	4.00
3.25	YES							
L0007763		0	0.87790E-08	473459.0	3773367.4	310.0	3.49	4.00
3.25	YES							
L0007764		0	0.87790E-08	473467.6	3773367.4	310.0	3.49	4.00
3.25	YES							
L0007765		0	0.87790E-08	473476.2	3773367.4	310.0	3.49	4.00
3.25	YES							
L0007766		0	0.87790E-08	473484.8	3773367.4	310.0	3.49	4.00
3.25	YES							
L0007767		0	0.70130E-08	473282.6	3771745.9	302.0	3.49	4.00
3.25	YES							
L0007768		0	0.70130E-08	473282.6	3771754.5	302.0	3.49	4.00
3.25	YES							
L0007769		0	0.70130E-08	473282.7	3771763.1	302.0	3.49	4.00
3.25	YES							
L0007770		0	0.70130E-08	473282.7	3771771.6	302.0	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 14

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

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

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

L0007771		0	0.70130E-08	473282.7	3771780.2	302.0	3.49	4.00
3.25	YES							
L0007772		0	0.70130E-08	473282.8	3771788.8	302.0	3.49	4.00
3.25	YES							
L0007773		0	0.70130E-08	473282.8	3771797.4	302.0	3.49	4.00
3.25	YES							
L0007774		0	0.70130E-08	473282.8	3771806.0	302.0	3.49	4.00
3.25	YES							
L0007775		0	0.70130E-08	473282.9	3771814.6	302.0	3.49	4.00

3.25	YES							
L0007776		0	0.70130E-08	473282.9	3771823.2	302.0	3.49	4.00
3.25	YES							
L0007777		0	0.70130E-08	473282.9	3771831.8	302.0	3.49	4.00
3.25	YES							
L0007778		0	0.70130E-08	473283.0	3771840.4	302.0	3.49	4.00
3.25	YES							
L0007779		0	0.70130E-08	473283.0	3771849.0	302.0	3.49	4.00
3.25	YES							
L0007780		0	0.70130E-08	473283.0	3771857.5	302.0	3.49	4.00
3.25	YES							
L0007781		0	0.70130E-08	473283.1	3771866.1	302.0	3.49	4.00
3.25	YES							
L0007782		0	0.70130E-08	473283.1	3771874.7	302.0	3.49	4.00
3.25	YES							
L0007783		0	0.70130E-08	473283.1	3771883.3	302.0	3.49	4.00
3.25	YES							
L0007784		0	0.70130E-08	473283.2	3771891.9	302.0	3.49	4.00
3.25	YES							
L0007785		0	0.70130E-08	473283.2	3771900.5	302.0	3.49	4.00
3.25	YES							
L0007786		0	0.70130E-08	473283.2	3771909.1	302.0	3.49	4.00
3.25	YES							
L0007787		0	0.70130E-08	473283.3	3771917.7	302.0	3.49	4.00
3.25	YES							
L0007788		0	0.70130E-08	473283.3	3771926.3	302.0	3.49	4.00
3.25	YES							
L0007789		0	0.70130E-08	473283.3	3771934.9	302.0	3.49	4.00
3.25	YES							
L0007790		0	0.70130E-08	473283.4	3771943.4	302.0	3.49	4.00
3.25	YES							
L0007791		0	0.70130E-08	473283.4	3771952.0	302.2	3.49	4.00
3.25	YES							
L0007792		0	0.70130E-08	473283.4	3771960.6	302.5	3.49	4.00
3.25	YES							
L0007793		0	0.70130E-08	473283.5	3771969.2	302.8	3.49	4.00
3.25	YES							
L0007794		0	0.70130E-08	473283.5	3771977.8	303.0	3.49	4.00
3.25	YES							
L0007795		0	0.70130E-08	473283.5	3771986.4	303.0	3.49	4.00
3.25	YES							
L0007796		0	0.70130E-08	473283.6	3771995.0	303.0	3.49	4.00
3.25	YES							
L0007797		0	0.70130E-08	473283.6	3772003.6	303.0	3.49	4.00
3.25	YES							
L0007798		0	0.70130E-08	473283.6	3772012.2	303.0	3.49	4.00
3.25	YES							
L0007799		0	0.70130E-08	473283.7	3772020.8	303.0	3.49	4.00
3.25	YES							
L0007800		0	0.70130E-08	473283.7	3772029.3	303.0	3.49	4.00

3.25	YES							
L0007801		0	0.70130E-08	473283.8	3772037.9	303.0	3.49	4.00
3.25	YES							
L0007802		0	0.70130E-08	473283.8	3772046.5	303.0	3.49	4.00
3.25	YES							
L0007803		0	0.70130E-08	473283.8	3772055.1	303.0	3.49	4.00
3.25	YES							
L0007804		0	0.70130E-08	473283.8	3772063.7	303.0	3.49	4.00
3.25	YES							
L0007805		0	0.70130E-08	473283.9	3772072.3	303.0	3.49	4.00
3.25	YES							
L0007806		0	0.70130E-08	473283.9	3772080.9	302.9	3.49	4.00
3.25	YES							
L0007807		0	0.70130E-08	473283.9	3772089.5	302.9	3.49	4.00
3.25	YES							
L0007808		0	0.70130E-08	473283.9	3772098.1	302.8	3.49	4.00
3.25	YES							
L0007809		0	0.70130E-08	473283.9	3772106.7	302.9	3.49	4.00
3.25	YES							
L0007810		0	0.70130E-08	473284.0	3772115.2	302.9	3.49	4.00
3.25	YES							

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 15

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

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

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

L0007811		0	0.70130E-08	473284.0	3772123.8	303.0	3.49	4.00
3.25	YES							
L0007812		0	0.70130E-08	473284.0	3772132.4	303.0	3.49	4.00
3.25	YES							
L0007813		0	0.70130E-08	473284.0	3772141.0	303.0	3.49	4.00
3.25	YES							
L0007814		0	0.70130E-08	473284.0	3772149.6	303.0	3.49	4.00
3.25	YES							
L0007815		0	0.70130E-08	473284.1	3772158.2	303.0	3.49	4.00

3.25	YES							
L0007816		0	0.70130E-08	473284.1	3772166.8	303.0	3.49	4.00
3.25	YES							
L0007817		0	0.70130E-08	473284.1	3772175.4	303.0	3.49	4.00
3.25	YES							
L0007818		0	0.70130E-08	473284.1	3772184.0	303.0	3.49	4.00
3.25	YES							
L0007819		0	0.70130E-08	473284.1	3772192.6	303.2	3.49	4.00
3.25	YES							
L0007820		0	0.70130E-08	473284.1	3772201.1	303.5	3.49	4.00
3.25	YES							
L0007821		0	0.70130E-08	473284.2	3772209.7	303.8	3.49	4.00
3.25	YES							
L0007822		0	0.70130E-08	473284.2	3772218.3	304.0	3.49	4.00
3.25	YES							
L0007823		0	0.70130E-08	473284.2	3772226.9	304.0	3.49	4.00
3.25	YES							
L0007824		0	0.70130E-08	473284.2	3772235.5	304.0	3.49	4.00
3.25	YES							
L0007825		0	0.70130E-08	473284.2	3772244.1	304.0	3.49	4.00
3.25	YES							
L0007826		0	0.70130E-08	473284.3	3772252.7	304.0	3.49	4.00
3.25	YES							
L0007827		0	0.70130E-08	473284.3	3772261.3	304.0	3.49	4.00
3.25	YES							
L0007828		0	0.70130E-08	473284.3	3772269.9	304.0	3.49	4.00
3.25	YES							
L0007829		0	0.70130E-08	473284.3	3772278.5	304.0	3.49	4.00
3.25	YES							
L0007830		0	0.70130E-08	473284.3	3772287.0	304.0	3.49	4.00
3.25	YES							
L0007831		0	0.70130E-08	473284.4	3772295.6	304.0	3.49	4.00
3.25	YES							
L0007832		0	0.70130E-08	473284.4	3772304.2	304.0	3.49	4.00
3.25	YES							
L0007833		0	0.70130E-08	473284.4	3772312.8	304.0	3.49	4.00
3.25	YES							
L0007834		0	0.70130E-08	473284.4	3772321.4	304.0	3.49	4.00
3.25	YES							
L0007835		0	0.70130E-08	473284.4	3772330.0	304.0	3.49	4.00
3.25	YES							
L0007836		0	0.70130E-08	473284.5	3772338.6	304.0	3.49	4.00
3.25	YES							
L0007837		0	0.70130E-08	473284.5	3772347.2	304.1	3.49	4.00
3.25	YES							
L0007838		0	0.70130E-08	473284.5	3772355.8	304.1	3.49	4.00
3.25	YES							
L0007839		0	0.70130E-08	473284.5	3772364.4	304.2	3.49	4.00
3.25	YES							
L0007840		0	0.70130E-08	473284.5	3772372.9	304.2	3.49	4.00

3.25	YES	L0007841	0	0.70130E-08	473284.6	3772381.5	304.2	3.49	4.00
3.25	YES	L0007842	0	0.70130E-08	473284.6	3772390.1	304.2	3.49	4.00
3.25	YES	L0007843	0	0.70130E-08	473284.6	3772398.7	304.2	3.49	4.00
3.25	YES	L0007844	0	0.70130E-08	473284.6	3772407.3	304.1	3.49	4.00
3.25	YES	L0007845	0	0.70130E-08	473284.6	3772415.9	304.1	3.49	4.00
3.25	YES	L0007846	0	0.70130E-08	473284.6	3772424.5	304.0	3.49	4.00
3.25	YES	L0007847	0	0.70130E-08	473284.7	3772433.1	304.0	3.49	4.00
3.25	YES	L0007848	0	0.70130E-08	473284.7	3772441.7	304.0	3.49	4.00
3.25	YES	L0007849	0	0.70130E-08	473284.7	3772450.3	304.0	3.49	4.00
3.25	YES	L0007850	0	0.70130E-08	473284.7	3772458.8	304.1	3.49	4.00
3.25	YES								

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 16

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

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

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

L0007851	0	0.70130E-08	473284.7	3772467.4	304.4	3.49	4.00		
3.25	YES	L0007852	0	0.70130E-08	473284.7	3772476.0	304.7	3.49	4.00
3.25	YES	L0007853	0	0.70130E-08	473284.7	3772484.6	304.9	3.49	4.00
3.25	YES	L0007854	0	0.70130E-08	473284.7	3772493.2	305.0	3.49	4.00
3.25	YES	L0007855	0	0.70130E-08	473284.7	3772501.8	305.0	3.49	4.00

3.25	YES							
L0007856		0	0.70130E-08	473284.7	3772510.4	305.0	3.49	4.00
3.25	YES							
L0007857		0	0.70130E-08	473284.7	3772519.0	305.0	3.49	4.00
3.25	YES							
L0007858		0	0.70130E-08	473284.7	3772527.6	305.0	3.49	4.00
3.25	YES							
L0007859		0	0.70130E-08	473284.7	3772536.2	305.0	3.49	4.00
3.25	YES							
L0007860		0	0.70130E-08	473284.8	3772544.7	305.0	3.49	4.00
3.25	YES							
L0007861		0	0.70130E-08	473284.8	3772553.3	305.0	3.49	4.00
3.25	YES							
L0007862		0	0.70130E-08	473284.8	3772561.9	305.0	3.49	4.00
3.25	YES							
L0007863		0	0.70130E-08	473284.8	3772570.5	305.0	3.49	4.00
3.25	YES							
L0007864		0	0.70130E-08	473284.8	3772579.1	305.0	3.49	4.00
3.25	YES							
L0007865		0	0.70130E-08	473284.8	3772587.7	305.0	3.49	4.00
3.25	YES							
L0007866		0	0.70130E-08	473284.8	3772596.3	305.0	3.49	4.00
3.25	YES							
L0007867		0	0.70130E-08	473284.8	3772604.9	305.0	3.49	4.00
3.25	YES							
L0007868		0	0.70130E-08	473284.8	3772613.5	305.0	3.49	4.00
3.25	YES							
L0007869		0	0.70130E-08	473284.8	3772622.1	305.0	3.49	4.00
3.25	YES							
L0007870		0	0.70130E-08	473284.8	3772630.6	305.0	3.49	4.00
3.25	YES							
L0007871		0	0.70130E-08	473284.8	3772639.2	305.0	3.49	4.00
3.25	YES							
L0007872		0	0.70130E-08	473284.8	3772647.8	305.0	3.49	4.00
3.25	YES							
L0007873		0	0.70130E-08	473284.8	3772656.4	305.0	3.49	4.00
3.25	YES							
L0007874		0	0.70130E-08	473284.9	3772665.0	305.0	3.49	4.00
3.25	YES							
L0007875		0	0.70130E-08	473284.9	3772673.6	305.0	3.49	4.00
3.25	YES							
L0007876		0	0.70130E-08	473284.9	3772682.2	305.0	3.49	4.00
3.25	YES							
L0007877		0	0.70130E-08	473284.9	3772690.8	305.0	3.49	4.00
3.25	YES							
L0007878		0	0.70130E-08	473284.9	3772699.4	305.0	3.49	4.00
3.25	YES							
L0007879		0	0.70130E-08	473284.9	3772708.0	305.0	3.49	4.00
3.25	YES							
L0007880		0	0.70130E-08	473284.9	3772716.5	305.0	3.49	4.00



3.25	YES							
L0007881		0	0.70130E-08	473284.9	3772725.1	305.0	3.49	4.00
3.25	YES							
L0007882		0	0.70130E-08	473284.9	3772733.7	305.0	3.49	4.00
3.25	YES							
L0007883		0	0.70130E-08	473284.9	3772742.3	305.0	3.49	4.00
3.25	YES							
L0007884		0	0.70130E-08	473284.9	3772750.9	305.0	3.49	4.00
3.25	YES							
L0007885		0	0.70130E-08	473284.9	3772759.5	305.0	3.49	4.00
3.25	YES							
L0007886		0	0.70130E-08	473284.9	3772768.1	305.0	3.49	4.00
3.25	YES							
L0007887		0	0.70130E-08	473284.9	3772776.7	305.0	3.49	4.00
3.25	YES							
L0007888		0	0.70130E-08	473285.0	3772785.3	305.0	3.49	4.00
3.25	YES							
L0007889		0	0.70130E-08	473285.0	3772793.9	305.2	3.49	4.00
3.25	YES							
L0007890		0	0.70130E-08	473285.0	3772802.4	305.4	3.49	4.00
3.25	YES							

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 17

\*\*\* 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						

L0007891		0	0.70130E-08	473285.0	3772811.0	305.7	3.49	4.00
3.25	YES							
L0007892		0	0.70130E-08	473285.0	3772819.6	305.8	3.49	4.00
3.25	YES							
L0007893		0	0.70130E-08	473285.0	3772828.2	305.8	3.49	4.00
3.25	YES							
L0007894		0	0.70130E-08	473285.0	3772836.8	305.8	3.49	4.00
3.25	YES							
L0007895		0	0.70130E-08	473285.0	3772845.4	305.8	3.49	4.00

3.25	YES							
L0007896		0	0.70130E-08	473285.0	3772854.0	305.9	3.49	4.00
3.25	YES							
L0007897		0	0.70130E-08	473285.0	3772862.6	305.9	3.49	4.00
3.25	YES							
L0007898		0	0.70130E-08	473285.0	3772871.2	306.0	3.49	4.00
3.25	YES							
L0007899		0	0.70130E-08	473285.0	3772879.8	306.0	3.49	4.00
3.25	YES							
L0007900		0	0.70130E-08	473285.0	3772888.3	306.0	3.49	4.00
3.25	YES							
L0007901		0	0.70130E-08	473285.0	3772896.9	306.0	3.49	4.00
3.25	YES							
L0007902		0	0.70130E-08	473285.1	3772905.5	306.0	3.49	4.00
3.25	YES							
L0007903		0	0.70130E-08	473285.1	3772914.1	306.0	3.49	4.00
3.25	YES							
L0007904		0	0.70130E-08	473285.1	3772922.7	306.0	3.49	4.00
3.25	YES							
L0007905		0	0.70130E-08	473285.1	3772931.3	306.0	3.49	4.00
3.25	YES							
L0007906		0	0.70130E-08	473285.1	3772939.9	306.0	3.49	4.00
3.25	YES							
L0007907		0	0.70130E-08	473285.1	3772948.5	306.0	3.49	4.00
3.25	YES							
L0007908		0	0.70130E-08	473285.1	3772957.1	306.0	3.49	4.00
3.25	YES							
L0007909		0	0.70130E-08	473285.1	3772965.7	306.0	3.49	4.00
3.25	YES							
L0007910		0	0.70130E-08	473285.1	3772974.2	306.0	3.49	4.00
3.25	YES							
L0007911		0	0.70130E-08	473285.1	3772982.8	306.0	3.49	4.00
3.25	YES							
L0007912		0	0.70130E-08	473285.2	3772991.4	306.0	3.49	4.00
3.25	YES							
L0007913		0	0.70130E-08	473285.2	3773000.0	306.1	3.49	4.00
3.25	YES							
L0007914		0	0.70130E-08	473285.2	3773008.6	306.4	3.49	4.00
3.25	YES							
L0007915		0	0.70130E-08	473285.2	3773017.2	306.7	3.49	4.00
3.25	YES							
L0007916		0	0.70130E-08	473285.2	3773025.8	307.0	3.49	4.00
3.25	YES							
L0007917		0	0.70130E-08	473285.2	3773034.4	307.0	3.49	4.00
3.25	YES							
L0007918		0	0.70130E-08	473285.2	3773043.0	307.0	3.49	4.00
3.25	YES							
L0007919		0	0.70130E-08	473285.2	3773051.6	307.0	3.49	4.00
3.25	YES							
L0007920		0	0.70130E-08	473285.2	3773060.1	307.0	3.49	4.00

3.25	YES	L0007921	0	0.70130E-08	473285.3	3773068.7	307.0	3.49	4.00
3.25	YES	L0007922	0	0.70130E-08	473285.3	3773077.3	307.0	3.49	4.00
3.25	YES	L0007923	0	0.70130E-08	473285.3	3773085.9	307.0	3.49	4.00
3.25	YES	L0007924	0	0.70130E-08	473285.3	3773094.5	307.2	3.49	4.00
3.25	YES	L0007925	0	0.70130E-08	473285.3	3773103.1	307.5	3.49	4.00
3.25	YES	L0007926	0	0.70130E-08	473285.3	3773111.7	307.7	3.49	4.00
3.25	YES	L0007927	0	0.70130E-08	473285.3	3773120.3	307.9	3.49	4.00
3.25	YES	L0007928	0	0.70130E-08	473285.3	3773128.9	307.9	3.49	4.00
3.25	YES	L0007929	0	0.70130E-08	473285.3	3773137.5	308.0	3.49	4.00
3.25	YES	L0007930	0	0.70130E-08	473285.4	3773146.0	308.0	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 18

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

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

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

L0007931	0	0.70130E-08	473285.4	3773154.6	308.0	3.49	4.00		
3.25	YES	L0007932	0	0.70130E-08	473285.4	3773163.2	308.0	3.49	4.00
3.25	YES	L0007933	0	0.70130E-08	473285.4	3773171.8	308.0	3.49	4.00
3.25	YES	L0007934	0	0.70130E-08	473285.4	3773180.4	308.0	3.49	4.00
3.25	YES	L0007935	0	0.70130E-08	473285.4	3773189.0	308.0	3.49	4.00

3.25	YES							
L0007936		0	0.70130E-08	473285.4	3773197.6	308.0	3.49	4.00
3.25	YES							
L0007937		0	0.70130E-08	473285.4	3773206.2	308.0	3.49	4.00
3.25	YES							
L0007938		0	0.70130E-08	473285.4	3773214.8	308.2	3.49	4.00
3.25	YES							
L0007939		0	0.70130E-08	473285.5	3773223.4	308.5	3.49	4.00
3.25	YES							
L0007940		0	0.70130E-08	473285.5	3773231.9	308.7	3.49	4.00
3.25	YES							
L0007941		0	0.70130E-08	473285.5	3773240.5	308.9	3.49	4.00
3.25	YES							
L0007942		0	0.70130E-08	473285.5	3773249.1	308.9	3.49	4.00
3.25	YES							
L0007943		0	0.70130E-08	473285.5	3773257.7	308.9	3.49	4.00
3.25	YES							
L0007944		0	0.70130E-08	473285.5	3773266.3	308.9	3.49	4.00
3.25	YES							
L0007945		0	0.70130E-08	473285.5	3773274.9	308.9	3.49	4.00
3.25	YES							
L0007946		0	0.70130E-08	473285.5	3773283.5	308.9	3.49	4.00
3.25	YES							
L0007947		0	0.70130E-08	473285.5	3773292.1	308.9	3.49	4.00
3.25	YES							
L0007948		0	0.70130E-08	473285.6	3773300.7	308.9	3.49	4.00
3.25	YES							
L0007949		0	0.70130E-08	473285.6	3773309.3	308.9	3.49	4.00
3.25	YES							
L0007950		0	0.70130E-08	473285.6	3773317.8	308.9	3.49	4.00
3.25	YES							
L0007951		0	0.70130E-08	473285.6	3773326.4	308.9	3.49	4.00
3.25	YES							
L0007952		0	0.70130E-08	473285.6	3773335.0	308.9	3.49	4.00
3.25	YES							
L0007953		0	0.70130E-08	473285.6	3773343.6	308.9	3.49	4.00
3.25	YES							
L0007954		0	0.70130E-08	473285.6	3773352.2	308.9	3.49	4.00
3.25	YES							
L0007955		0	0.70130E-08	473285.6	3773360.8	308.9	3.49	4.00
3.25	YES							
L0007956		0	0.70130E-08	473287.2	3773367.8	308.9	3.49	4.00
3.25	YES							
L0007957		0	0.70130E-08	473295.8	3773367.7	309.0	3.49	4.00
3.25	YES							
L0007958		0	0.70130E-08	473304.4	3773367.7	309.0	3.49	4.00
3.25	YES							
L0007959		0	0.70130E-08	473313.0	3773367.6	309.0	3.49	4.00
3.25	YES							
L0007960		0	0.70130E-08	473321.6	3773367.6	309.0	3.49	4.00

3.25	YES	L0007961	0	0.70130E-08	473330.2	3773367.5	309.0	3.49	4.00
3.25	YES	L0007962	0	0.70130E-08	473338.8	3773367.5	309.0	3.49	4.00
3.25	YES	L0007963	0	0.70130E-08	473347.4	3773367.4	309.0	3.49	4.00
3.25	YES	L0007964	0	0.70130E-08	473356.0	3773367.4	309.2	3.49	4.00
3.25	YES	L0007965	0	0.70130E-08	473364.6	3773367.3	309.5	3.49	4.00
3.25	YES	L0007966	0	0.70130E-08	473373.1	3773367.2	309.8	3.49	4.00
3.25	YES	L0007967	0	0.70130E-08	473381.7	3773367.2	310.0	3.49	4.00
3.25	YES	L0007968	0	0.70130E-08	473390.3	3773367.1	310.0	3.49	4.00
3.25	YES	L0007969	0	0.70130E-08	473398.9	3773367.1	310.0	3.49	4.00
3.25	YES	L0007970	0	0.70130E-08	473407.5	3773367.0	310.0	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 19

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

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

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

L0007971	0	0.70130E-08	473416.1	3773367.0	310.0	3.49	4.00		
3.25	YES	L0007972	0	0.70130E-08	473424.7	3773366.9	310.0	3.49	4.00
3.25	YES	L0007973	0	0.70130E-08	473433.3	3773366.9	310.0	3.49	4.00
3.25	YES	L0007974	0	0.70130E-08	473441.9	3773366.8	310.0	3.49	4.00
3.25	YES	L0007975	0	0.70130E-08	473450.5	3773366.8	310.0	3.49	4.00

3.25	YES							
L0007976		0	0.70130E-08	473459.0	3773366.7	310.0	3.49	4.00
3.25	YES							
L0007977		0	0.70130E-08	473467.6	3773366.7	310.0	3.49	4.00
3.25	YES							
L0007978		0	0.70130E-08	473476.2	3773366.6	310.0	3.49	4.00
3.25	YES							
L0007979		0	0.70130E-08	473484.8	3773366.6	310.0	3.49	4.00
3.25	YES							
L0007980		0	0.70130E-08	473493.4	3773366.5	310.0	3.49	4.00
3.25	YES							
L0007981		0	0.70130E-08	473502.0	3773366.5	310.0	3.49	4.00
3.25	YES							
L0007982		0	0.70130E-08	473510.6	3773366.4	310.0	3.49	4.00
3.25	YES							
L0007983		0	0.70130E-08	473519.2	3773366.3	310.0	3.49	4.00
3.25	YES							
L0007984		0	0.70130E-08	473527.8	3773366.3	310.0	3.49	4.00
3.25	YES							
L0007985		0	0.70130E-08	473536.3	3773366.2	310.0	3.49	4.00
3.25	YES							
L0007986		0	0.70130E-08	473544.9	3773366.2	310.0	3.49	4.00
3.25	YES							
L0007987		0	0.70130E-08	473553.5	3773366.1	310.0	3.49	4.00
3.25	YES							
L0007988		0	0.70130E-08	473562.1	3773366.1	310.0	3.49	4.00
3.25	YES							
L0007989		0	0.70130E-08	473570.7	3773366.0	310.0	3.49	4.00
3.25	YES							
L0007990		0	0.70130E-08	473579.3	3773366.0	310.0	3.49	4.00
3.25	YES							
L0007991		0	0.70130E-08	473587.9	3773365.9	310.0	3.49	4.00
3.25	YES							
L0007992		0	0.87780E-08	473282.6	3771745.9	302.0	3.49	4.00
3.25	YES							
L0007993		0	0.87780E-08	473282.6	3771754.5	302.0	3.49	4.00
3.25	YES							
L0007994		0	0.87780E-08	473282.7	3771763.1	302.0	3.49	4.00
3.25	YES							
L0007995		0	0.87780E-08	473282.7	3771771.6	302.0	3.49	4.00
3.25	YES							
L0007996		0	0.87780E-08	473282.7	3771780.2	302.0	3.49	4.00
3.25	YES							
L0007997		0	0.87780E-08	473282.8	3771788.8	302.0	3.49	4.00
3.25	YES							
L0007998		0	0.87780E-08	473282.8	3771797.4	302.0	3.49	4.00
3.25	YES							
L0007999		0	0.87780E-08	473282.8	3771806.0	302.0	3.49	4.00
3.25	YES							
L0008000		0	0.87780E-08	473282.9	3771814.6	302.0	3.49	4.00

3.25	YES							
L0008001		0	0.87780E-08	473282.9	3771823.2	302.0	3.49	4.00
3.25	YES							
L0008002		0	0.87780E-08	473282.9	3771831.8	302.0	3.49	4.00
3.25	YES							
L0008003		0	0.87780E-08	473283.0	3771840.4	302.0	3.49	4.00
3.25	YES							
L0008004		0	0.87780E-08	473283.0	3771849.0	302.0	3.49	4.00
3.25	YES							
L0008005		0	0.87780E-08	473283.0	3771857.5	302.0	3.49	4.00
3.25	YES							
L0008006		0	0.87780E-08	473283.1	3771866.1	302.0	3.49	4.00
3.25	YES							
L0008007		0	0.87780E-08	473283.1	3771874.7	302.0	3.49	4.00
3.25	YES							
L0008008		0	0.87780E-08	473283.1	3771883.3	302.0	3.49	4.00
3.25	YES							
L0008009		0	0.87780E-08	473283.2	3771891.9	302.0	3.49	4.00
3.25	YES							
L0008010		0	0.87780E-08	473283.2	3771900.5	302.0	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 20

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

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

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

L0008011		0	0.87780E-08	473283.2	3771909.1	302.0	3.49	4.00
3.25	YES							
L0008012		0	0.87780E-08	473283.3	3771917.7	302.0	3.49	4.00
3.25	YES							
L0008013		0	0.87780E-08	473283.3	3771926.3	302.0	3.49	4.00
3.25	YES							
L0008014		0	0.87780E-08	473283.3	3771934.9	302.0	3.49	4.00
3.25	YES							
L0008015		0	0.87780E-08	473283.4	3771943.4	302.0	3.49	4.00

3.25	YES							
L0008016		0	0.87780E-08	473283.4	3771952.0	302.2	3.49	4.00
3.25	YES							
L0008017		0	0.87780E-08	473283.4	3771960.6	302.5	3.49	4.00
3.25	YES							
L0008018		0	0.87780E-08	473283.5	3771969.2	302.8	3.49	4.00
3.25	YES							
L0008019		0	0.87780E-08	473283.5	3771977.8	303.0	3.49	4.00
3.25	YES							
L0008020		0	0.87780E-08	473283.5	3771986.4	303.0	3.49	4.00
3.25	YES							
L0008021		0	0.87780E-08	473283.6	3771995.0	303.0	3.49	4.00
3.25	YES							
L0008022		0	0.87780E-08	473283.6	3772003.6	303.0	3.49	4.00
3.25	YES							
L0008023		0	0.87780E-08	473283.6	3772012.2	303.0	3.49	4.00
3.25	YES							
L0008024		0	0.87780E-08	473283.7	3772020.8	303.0	3.49	4.00
3.25	YES							
L0008025		0	0.87780E-08	473283.7	3772029.3	303.0	3.49	4.00
3.25	YES							
L0008026		0	0.87780E-08	473283.8	3772037.9	303.0	3.49	4.00
3.25	YES							
L0008027		0	0.87780E-08	473283.8	3772046.5	303.0	3.49	4.00
3.25	YES							
L0008028		0	0.87780E-08	473283.8	3772055.1	303.0	3.49	4.00
3.25	YES							
L0008029		0	0.87780E-08	473283.8	3772063.7	303.0	3.49	4.00
3.25	YES							
L0008030		0	0.87780E-08	473283.9	3772072.3	303.0	3.49	4.00
3.25	YES							
L0008031		0	0.87780E-08	473283.9	3772080.9	302.9	3.49	4.00
3.25	YES							
L0008032		0	0.87780E-08	473283.9	3772089.5	302.9	3.49	4.00
3.25	YES							
L0008033		0	0.87780E-08	473283.9	3772098.1	302.8	3.49	4.00
3.25	YES							
L0008034		0	0.87780E-08	473283.9	3772106.7	302.9	3.49	4.00
3.25	YES							
L0008035		0	0.87780E-08	473284.0	3772115.2	302.9	3.49	4.00
3.25	YES							
L0008036		0	0.87780E-08	473284.0	3772123.8	303.0	3.49	4.00
3.25	YES							
L0008037		0	0.87780E-08	473284.0	3772132.4	303.0	3.49	4.00
3.25	YES							
L0008038		0	0.87780E-08	473284.0	3772141.0	303.0	3.49	4.00
3.25	YES							
L0008039		0	0.87780E-08	473284.0	3772149.6	303.0	3.49	4.00
3.25	YES							
L0008040		0	0.87780E-08	473284.1	3772158.2	303.0	3.49	4.00



3.25	YES							
L0008041		0	0.87780E-08	473284.1	3772166.8	303.0	3.49	4.00
3.25	YES							
L0008042		0	0.87780E-08	473284.1	3772175.4	303.0	3.49	4.00
3.25	YES							
L0008043		0	0.87780E-08	473284.1	3772184.0	303.0	3.49	4.00
3.25	YES							
L0008044		0	0.87780E-08	473284.1	3772192.6	303.2	3.49	4.00
3.25	YES							
L0008045		0	0.87780E-08	473284.1	3772201.1	303.5	3.49	4.00
3.25	YES							
L0008046		0	0.87780E-08	473284.2	3772209.7	303.8	3.49	4.00
3.25	YES							
L0008047		0	0.87780E-08	473284.2	3772218.3	304.0	3.49	4.00
3.25	YES							
L0008048		0	0.87780E-08	473284.2	3772226.9	304.0	3.49	4.00
3.25	YES							
L0008049		0	0.87780E-08	473284.2	3772235.5	304.0	3.49	4.00
3.25	YES							
L0008050		0	0.87780E-08	473284.2	3772244.1	304.0	3.49	4.00
3.25	YES							

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 21

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

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

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

L0008051		0	0.87780E-08	473284.3	3772252.7	304.0	3.49	4.00
3.25	YES							
L0008052		0	0.87780E-08	473284.3	3772261.3	304.0	3.49	4.00
3.25	YES							
L0008053		0	0.87780E-08	473284.3	3772269.9	304.0	3.49	4.00
3.25	YES							
L0008054		0	0.87780E-08	473284.3	3772278.5	304.0	3.49	4.00
3.25	YES							
L0008055		0	0.87780E-08	473284.3	3772287.0	304.0	3.49	4.00

3.25	YES							
L0008056		0	0.87780E-08	473284.4	3772295.6	304.0	3.49	4.00
3.25	YES							
L0008057		0	0.87780E-08	473284.4	3772304.2	304.0	3.49	4.00
3.25	YES							
L0008058		0	0.87780E-08	473284.4	3772312.8	304.0	3.49	4.00
3.25	YES							
L0008059		0	0.87780E-08	473284.4	3772321.4	304.0	3.49	4.00
3.25	YES							
L0008060		0	0.87780E-08	473284.4	3772330.0	304.0	3.49	4.00
3.25	YES							
L0008061		0	0.87780E-08	473284.5	3772338.6	304.0	3.49	4.00
3.25	YES							
L0008062		0	0.87780E-08	473284.5	3772347.2	304.1	3.49	4.00
3.25	YES							
L0008063		0	0.87780E-08	473284.5	3772355.8	304.1	3.49	4.00
3.25	YES							
L0008064		0	0.87780E-08	473284.5	3772364.4	304.2	3.49	4.00
3.25	YES							
L0008065		0	0.87780E-08	473284.5	3772372.9	304.2	3.49	4.00
3.25	YES							
L0008066		0	0.87780E-08	473284.6	3772381.5	304.2	3.49	4.00
3.25	YES							
L0008067		0	0.87780E-08	473284.6	3772390.1	304.2	3.49	4.00
3.25	YES							
L0008068		0	0.87780E-08	473284.6	3772398.7	304.2	3.49	4.00
3.25	YES							
L0008069		0	0.87780E-08	473284.6	3772407.3	304.1	3.49	4.00
3.25	YES							
L0008070		0	0.87780E-08	473284.6	3772415.9	304.1	3.49	4.00
3.25	YES							
L0008071		0	0.87780E-08	473284.6	3772424.5	304.0	3.49	4.00
3.25	YES							
L0008072		0	0.87780E-08	473284.7	3772433.1	304.0	3.49	4.00
3.25	YES							
L0008073		0	0.87780E-08	473284.7	3772441.7	304.0	3.49	4.00
3.25	YES							
L0008074		0	0.87780E-08	473284.7	3772450.3	304.0	3.49	4.00
3.25	YES							
L0008075		0	0.87780E-08	473284.7	3772458.8	304.1	3.49	4.00
3.25	YES							
L0008076		0	0.87780E-08	473284.7	3772467.4	304.4	3.49	4.00
3.25	YES							
L0008077		0	0.87780E-08	473284.7	3772476.0	304.7	3.49	4.00
3.25	YES							
L0008078		0	0.87780E-08	473284.7	3772484.6	304.9	3.49	4.00
3.25	YES							
L0008079		0	0.87780E-08	473284.7	3772493.2	305.0	3.49	4.00
3.25	YES							
L0008080		0	0.87780E-08	473284.7	3772501.8	305.0	3.49	4.00

3.25	YES							
L0008081		0	0.87780E-08	473284.7	3772510.4	305.0	3.49	4.00
3.25	YES							
L0008082		0	0.87780E-08	473284.7	3772519.0	305.0	3.49	4.00
3.25	YES							
L0008083		0	0.87780E-08	473284.7	3772527.6	305.0	3.49	4.00
3.25	YES							
L0008084		0	0.87780E-08	473284.7	3772536.2	305.0	3.49	4.00
3.25	YES							
L0008085		0	0.87780E-08	473284.8	3772544.7	305.0	3.49	4.00
3.25	YES							
L0008086		0	0.87780E-08	473284.8	3772553.3	305.0	3.49	4.00
3.25	YES							
L0008087		0	0.87780E-08	473284.8	3772561.9	305.0	3.49	4.00
3.25	YES							
L0008088		0	0.87780E-08	473284.8	3772570.5	305.0	3.49	4.00
3.25	YES							
L0008089		0	0.87780E-08	473284.8	3772579.1	305.0	3.49	4.00
3.25	YES							
L0008090		0	0.87780E-08	473284.8	3772587.7	305.0	3.49	4.00
3.25	YES							

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 22

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

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

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

L0008091		0	0.87780E-08	473284.8	3772596.3	305.0	3.49	4.00
3.25	YES							
L0008092		0	0.87780E-08	473284.8	3772604.9	305.0	3.49	4.00
3.25	YES							
L0008093		0	0.87780E-08	473284.8	3772613.5	305.0	3.49	4.00
3.25	YES							
L0008094		0	0.87780E-08	473284.8	3772622.1	305.0	3.49	4.00
3.25	YES							
L0008095		0	0.87780E-08	473284.8	3772630.6	305.0	3.49	4.00

3.25	YES							
L0008096		0	0.87780E-08	473284.8	3772639.2	305.0	3.49	4.00
3.25	YES							
L0008097		0	0.87780E-08	473284.8	3772647.8	305.0	3.49	4.00
3.25	YES							
L0008098		0	0.87780E-08	473284.8	3772656.4	305.0	3.49	4.00
3.25	YES							
L0008099		0	0.87780E-08	473284.9	3772665.0	305.0	3.49	4.00
3.25	YES							
L0008100		0	0.87780E-08	473284.9	3772673.6	305.0	3.49	4.00
3.25	YES							
L0008101		0	0.87780E-08	473284.9	3772682.2	305.0	3.49	4.00
3.25	YES							
L0008102		0	0.87780E-08	473284.9	3772690.8	305.0	3.49	4.00
3.25	YES							
L0008103		0	0.87780E-08	473284.9	3772699.4	305.0	3.49	4.00
3.25	YES							
L0008104		0	0.87780E-08	473284.9	3772708.0	305.0	3.49	4.00
3.25	YES							
L0008105		0	0.87780E-08	473284.9	3772716.5	305.0	3.49	4.00
3.25	YES							
L0008106		0	0.87780E-08	473284.9	3772725.1	305.0	3.49	4.00
3.25	YES							
L0008107		0	0.87780E-08	473284.9	3772733.7	305.0	3.49	4.00
3.25	YES							
L0008108		0	0.87780E-08	473284.9	3772742.3	305.0	3.49	4.00
3.25	YES							
L0008109		0	0.87780E-08	473284.9	3772750.9	305.0	3.49	4.00
3.25	YES							
L0008110		0	0.87780E-08	473284.9	3772759.5	305.0	3.49	4.00
3.25	YES							
L0008111		0	0.87780E-08	473284.9	3772768.1	305.0	3.49	4.00
3.25	YES							
L0008112		0	0.87780E-08	473284.9	3772776.7	305.0	3.49	4.00
3.25	YES							
L0008113		0	0.87780E-08	473285.0	3772785.3	305.0	3.49	4.00
3.25	YES							
L0008114		0	0.87780E-08	473285.0	3772793.9	305.2	3.49	4.00
3.25	YES							
L0008115		0	0.87780E-08	473285.0	3772802.4	305.4	3.49	4.00
3.25	YES							
L0008116		0	0.87780E-08	473285.0	3772811.0	305.7	3.49	4.00
3.25	YES							
L0008117		0	0.87780E-08	473285.0	3772819.6	305.8	3.49	4.00
3.25	YES							
L0008118		0	0.87780E-08	473285.0	3772828.2	305.8	3.49	4.00
3.25	YES							
L0008119		0	0.87780E-08	473285.0	3772836.8	305.8	3.49	4.00
3.25	YES							
L0008120		0	0.87780E-08	473285.0	3772845.4	305.8	3.49	4.00

3.25	YES	L0008121	0	0.87780E-08	473285.0	3772854.0	305.9	3.49	4.00
3.25	YES	L0008122	0	0.87780E-08	473285.0	3772862.6	305.9	3.49	4.00
3.25	YES	L0008123	0	0.87780E-08	473285.0	3772871.2	306.0	3.49	4.00
3.25	YES	L0008124	0	0.87780E-08	473285.0	3772879.8	306.0	3.49	4.00
3.25	YES	L0008125	0	0.87780E-08	473285.0	3772888.3	306.0	3.49	4.00
3.25	YES	L0008126	0	0.87780E-08	473285.0	3772896.9	306.0	3.49	4.00
3.25	YES	L0008127	0	0.87780E-08	473285.1	3772905.5	306.0	3.49	4.00
3.25	YES	L0008128	0	0.87780E-08	473285.1	3772914.1	306.0	3.49	4.00
3.25	YES	L0008129	0	0.87780E-08	473285.1	3772922.7	306.0	3.49	4.00
3.25	YES	L0008130	0	0.87780E-08	473285.1	3772931.3	306.0	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 23

\*\*\* 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						

L0008131	0	0.87780E-08	473285.1	3772939.9	306.0	3.49	4.00		
3.25	YES	L0008132	0	0.87780E-08	473285.1	3772948.5	306.0	3.49	4.00
3.25	YES	L0008133	0	0.87780E-08	473285.1	3772957.1	306.0	3.49	4.00
3.25	YES	L0008134	0	0.87780E-08	473285.1	3772965.7	306.0	3.49	4.00
3.25	YES	L0008135	0	0.87780E-08	473285.1	3772974.2	306.0	3.49	4.00

3.25	YES							
L0008136		0	0.87780E-08	473285.1	3772982.8	306.0	3.49	4.00
3.25	YES							
L0008137		0	0.87780E-08	473285.2	3772991.4	306.0	3.49	4.00
3.25	YES							
L0008138		0	0.87780E-08	473285.2	3773000.0	306.1	3.49	4.00
3.25	YES							
L0008139		0	0.87780E-08	473285.2	3773008.6	306.4	3.49	4.00
3.25	YES							
L0008140		0	0.87780E-08	473285.2	3773017.2	306.7	3.49	4.00
3.25	YES							
L0008141		0	0.87780E-08	473285.2	3773025.8	307.0	3.49	4.00
3.25	YES							
L0008142		0	0.87780E-08	473285.2	3773034.4	307.0	3.49	4.00
3.25	YES							
L0008143		0	0.87780E-08	473285.2	3773043.0	307.0	3.49	4.00
3.25	YES							
L0008144		0	0.87780E-08	473285.2	3773051.6	307.0	3.49	4.00
3.25	YES							
L0008145		0	0.87780E-08	473285.2	3773060.1	307.0	3.49	4.00
3.25	YES							
L0008146		0	0.87780E-08	473285.3	3773068.7	307.0	3.49	4.00
3.25	YES							
L0008147		0	0.87780E-08	473285.3	3773077.3	307.0	3.49	4.00
3.25	YES							
L0008148		0	0.87780E-08	473285.3	3773085.9	307.0	3.49	4.00
3.25	YES							
L0008149		0	0.87780E-08	473285.3	3773094.5	307.2	3.49	4.00
3.25	YES							
L0008150		0	0.87780E-08	473285.3	3773103.1	307.5	3.49	4.00
3.25	YES							
L0008151		0	0.87780E-08	473285.3	3773111.7	307.7	3.49	4.00
3.25	YES							
L0008152		0	0.87780E-08	473285.3	3773120.3	307.9	3.49	4.00
3.25	YES							
L0008153		0	0.87780E-08	473285.3	3773128.9	307.9	3.49	4.00
3.25	YES							
L0008154		0	0.87780E-08	473285.3	3773137.5	308.0	3.49	4.00
3.25	YES							
L0008155		0	0.87780E-08	473285.4	3773146.0	308.0	3.49	4.00
3.25	YES							
L0008156		0	0.87780E-08	473285.4	3773154.6	308.0	3.49	4.00
3.25	YES							
L0008157		0	0.87780E-08	473285.4	3773163.2	308.0	3.49	4.00
3.25	YES							
L0008158		0	0.87780E-08	473285.4	3773171.8	308.0	3.49	4.00
3.25	YES							
L0008159		0	0.87780E-08	473285.4	3773180.4	308.0	3.49	4.00
3.25	YES							
L0008160		0	0.87780E-08	473285.4	3773189.0	308.0	3.49	4.00

3.25	YES	L0008161	0	0.87780E-08	473285.4	3773197.6	308.0	3.49	4.00
3.25	YES	L0008162	0	0.87780E-08	473285.4	3773206.2	308.0	3.49	4.00
3.25	YES	L0008163	0	0.87780E-08	473285.4	3773214.8	308.2	3.49	4.00
3.25	YES	L0008164	0	0.87780E-08	473285.5	3773223.4	308.5	3.49	4.00
3.25	YES	L0008165	0	0.87780E-08	473285.5	3773231.9	308.7	3.49	4.00
3.25	YES	L0008166	0	0.87780E-08	473285.5	3773240.5	308.9	3.49	4.00
3.25	YES	L0008167	0	0.87780E-08	473285.5	3773249.1	308.9	3.49	4.00
3.25	YES	L0008168	0	0.87780E-08	473285.5	3773257.7	308.9	3.49	4.00
3.25	YES	L0008169	0	0.87780E-08	473285.5	3773266.3	308.9	3.49	4.00
3.25	YES	L0008170	0	0.87780E-08	473285.5	3773274.9	308.9	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 24

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

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

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

L0008171	0	0.87780E-08	473285.5	3773283.5	308.9	3.49	4.00		
3.25	YES	L0008172	0	0.87780E-08	473285.5	3773292.1	308.9	3.49	4.00
3.25	YES	L0008173	0	0.87780E-08	473285.6	3773300.7	308.9	3.49	4.00
3.25	YES	L0008174	0	0.87780E-08	473285.6	3773309.3	308.9	3.49	4.00
3.25	YES	L0008175	0	0.87780E-08	473285.6	3773317.8	308.9	3.49	4.00

3.25	YES							
L0008176		0	0.87780E-08	473285.6	3773326.4	308.9	3.49	4.00
3.25	YES							
L0008177		0	0.87780E-08	473285.6	3773335.0	308.9	3.49	4.00
3.25	YES							
L0008178		0	0.87780E-08	473285.6	3773343.6	308.9	3.49	4.00
3.25	YES							
L0008179		0	0.87780E-08	473285.6	3773352.2	308.9	3.49	4.00
3.25	YES							
L0008180		0	0.87780E-08	473285.6	3773360.8	308.9	3.49	4.00
3.25	YES							
L0008181		0	0.87780E-08	473287.2	3773367.8	308.9	3.49	4.00
3.25	YES							
L0008182		0	0.87780E-08	473295.8	3773367.7	309.0	3.49	4.00
3.25	YES							
L0008183		0	0.87780E-08	473304.4	3773367.7	309.0	3.49	4.00
3.25	YES							
L0008184		0	0.87780E-08	473313.0	3773367.6	309.0	3.49	4.00
3.25	YES							
L0008185		0	0.87780E-08	473321.6	3773367.6	309.0	3.49	4.00
3.25	YES							
L0008186		0	0.87780E-08	473330.2	3773367.5	309.0	3.49	4.00
3.25	YES							
L0008187		0	0.87780E-08	473338.8	3773367.5	309.0	3.49	4.00
3.25	YES							
L0008188		0	0.87780E-08	473347.4	3773367.4	309.0	3.49	4.00
3.25	YES							
L0008189		0	0.87780E-08	473356.0	3773367.4	309.2	3.49	4.00
3.25	YES							
L0008190		0	0.87780E-08	473364.6	3773367.3	309.5	3.49	4.00
3.25	YES							
L0008191		0	0.87780E-08	473373.1	3773367.2	309.8	3.49	4.00
3.25	YES							
L0008192		0	0.87780E-08	473381.7	3773367.2	310.0	3.49	4.00
3.25	YES							
L0008193		0	0.87780E-08	473390.3	3773367.1	310.0	3.49	4.00
3.25	YES							
L0008194		0	0.87780E-08	473398.9	3773367.1	310.0	3.49	4.00
3.25	YES							
L0008195		0	0.87780E-08	473407.5	3773367.0	310.0	3.49	4.00
3.25	YES							
L0008196		0	0.87780E-08	473416.1	3773367.0	310.0	3.49	4.00
3.25	YES							
L0008197		0	0.87780E-08	473424.7	3773366.9	310.0	3.49	4.00
3.25	YES							
L0008198		0	0.87780E-08	473433.3	3773366.9	310.0	3.49	4.00
3.25	YES							
L0008199		0	0.87780E-08	473441.9	3773366.8	310.0	3.49	4.00
3.25	YES							
L0008200		0	0.87780E-08	473450.5	3773366.8	310.0	3.49	4.00



3.25	YES							
L0008201		0	0.87780E-08	473459.0	3773366.7	310.0	3.49	4.00
3.25	YES							
L0008202		0	0.87780E-08	473467.6	3773366.7	310.0	3.49	4.00
3.25	YES							
L0008203		0	0.87780E-08	473476.2	3773366.6	310.0	3.49	4.00
3.25	YES							
L0008204		0	0.87780E-08	473484.8	3773366.6	310.0	3.49	4.00
3.25	YES							
L0008205		0	0.87780E-08	473493.4	3773366.5	310.0	3.49	4.00
3.25	YES							
L0008206		0	0.87780E-08	473502.0	3773366.5	310.0	3.49	4.00
3.25	YES							
L0008207		0	0.87780E-08	473510.6	3773366.4	310.0	3.49	4.00
3.25	YES							
L0008208		0	0.87780E-08	473519.2	3773366.3	310.0	3.49	4.00
3.25	YES							
L0008209		0	0.87780E-08	473527.8	3773366.3	310.0	3.49	4.00
3.25	YES							
L0008210		0	0.87780E-08	473536.3	3773366.2	310.0	3.49	4.00
3.25	YES							

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 25

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

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

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

L0008211		0	0.87780E-08	473544.9	3773366.2	310.0	3.49	4.00
3.25	YES							
L0008212		0	0.87780E-08	473553.5	3773366.1	310.0	3.49	4.00
3.25	YES							
L0008213		0	0.87780E-08	473562.1	3773366.1	310.0	3.49	4.00
3.25	YES							
L0008214		0	0.87780E-08	473570.7	3773366.0	310.0	3.49	4.00
3.25	YES							
L0008215		0	0.87780E-08	473579.3	3773366.0	310.0	3.49	4.00

3.25	YES							
L0008216		0	0.87780E-08	473587.9	3773365.8	310.0	3.49	4.00
3.25	YES							
L0008217		0	0.87780E-08	473596.5	3773365.7	310.0	3.49	4.00
3.25	YES							
L0008218		0	0.87780E-08	473605.1	3773365.5	310.0	3.49	4.00
3.25	YES							
L0008219		0	0.87780E-08	473613.7	3773365.3	310.0	3.49	4.00
3.25	YES							
L0008220		0	0.87780E-08	473622.2	3773365.1	310.0	3.49	4.00
3.25	YES							
L0008221		0	0.87780E-08	473630.8	3773364.9	310.1	3.49	4.00
3.25	YES							
L0008222		0	0.87780E-08	473639.4	3773364.7	310.2	3.49	4.00
3.25	YES							
L0008223		0	0.87780E-08	473648.0	3773364.5	310.3	3.49	4.00
3.25	YES							
L0008224		0	0.87780E-08	473656.6	3773364.3	310.4	3.49	4.00
3.25	YES							
L0008225		0	0.87780E-08	473665.2	3773364.1	310.6	3.49	4.00
3.25	YES							
L0008226		0	0.87780E-08	473673.8	3773363.9	310.9	3.49	4.00
3.25	YES							
L0008227		0	0.87780E-08	473682.4	3773363.7	311.0	3.49	4.00
3.25	YES							
L0008228		0	0.87780E-08	473690.9	3773363.6	311.0	3.49	4.00
3.25	YES							
L0008229		0	0.87780E-08	473692.9	3773356.9	311.0	3.49	4.00
3.25	YES							
L0008230		0	0.87780E-08	473692.9	3773348.3	310.9	3.49	4.00
3.25	YES							
L0008231		0	0.87780E-08	473692.9	3773339.7	310.7	3.49	4.00
3.25	YES							
L0008232		0	0.87780E-08	473692.9	3773331.1	310.5	3.49	4.00
3.25	YES							
L0008233		0	0.87780E-08	473693.0	3773322.5	310.4	3.49	4.00
3.25	YES							
L0008234		0	0.87780E-08	473693.0	3773313.9	310.3	3.49	4.00
3.25	YES							
L0008235		0	0.87780E-08	473693.0	3773305.3	310.1	3.49	4.00
3.25	YES							
L0008236		0	0.87780E-08	473693.0	3773296.7	310.0	3.49	4.00
3.25	YES							
L0008237		0	0.87780E-08	473693.0	3773288.1	310.0	3.49	4.00
3.25	YES							
L0008238		0	0.87780E-08	473693.0	3773279.6	310.0	3.49	4.00
3.25	YES							
L0008239		0	0.87780E-08	473693.0	3773271.0	310.0	3.49	4.00
3.25	YES							
L0008240		0	0.87780E-08	473693.1	3773262.4	310.0	3.49	4.00

3.25	YES	L0008241	0	0.87780E-08	473693.1	3773253.8	310.0	3.49	4.00
3.25	YES	L0008242	0	0.87780E-08	473693.1	3773245.2	310.0	3.49	4.00
3.25	YES	L0008243	0	0.87780E-08	473693.1	3773236.6	310.0	3.49	4.00
3.25	YES	L0008244	0	0.10530E-07	473282.6	3771745.9	302.0	3.49	4.00
3.25	YES	L0008245	0	0.10530E-07	473282.6	3771754.5	302.0	3.49	4.00
3.25	YES	L0008246	0	0.10530E-07	473282.7	3771763.1	302.0	3.49	4.00
3.25	YES	L0008247	0	0.10530E-07	473282.7	3771771.6	302.0	3.49	4.00
3.25	YES	L0008248	0	0.10530E-07	473282.7	3771780.2	302.0	3.49	4.00
3.25	YES	L0008249	0	0.10530E-07	473282.8	3771788.8	302.0	3.49	4.00
3.25	YES	L0008250	0	0.10530E-07	473282.8	3771797.4	302.0	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 26

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

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

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

L0008251	0	0.10530E-07	473282.8	3771806.0	302.0	3.49	4.00		
3.25	YES	L0008252	0	0.10530E-07	473282.9	3771814.6	302.0	3.49	4.00
3.25	YES	L0008253	0	0.10530E-07	473282.9	3771823.2	302.0	3.49	4.00
3.25	YES	L0008254	0	0.10530E-07	473282.9	3771831.8	302.0	3.49	4.00
3.25	YES	L0008255	0	0.10530E-07	473283.0	3771840.4	302.0	3.49	4.00

3.25	YES							
L0008256		0	0.10530E-07	473283.0	3771849.0	302.0	3.49	4.00
3.25	YES							
L0008257		0	0.10530E-07	473283.0	3771857.5	302.0	3.49	4.00
3.25	YES							
L0008258		0	0.10530E-07	473283.1	3771866.1	302.0	3.49	4.00
3.25	YES							
L0008259		0	0.10530E-07	473283.1	3771874.7	302.0	3.49	4.00
3.25	YES							
L0008260		0	0.10530E-07	473283.1	3771883.3	302.0	3.49	4.00
3.25	YES							
L0008261		0	0.10530E-07	473283.2	3771891.9	302.0	3.49	4.00
3.25	YES							
L0008262		0	0.10530E-07	473283.2	3771900.5	302.0	3.49	4.00
3.25	YES							
L0008263		0	0.10530E-07	473283.2	3771909.1	302.0	3.49	4.00
3.25	YES							
L0008264		0	0.10530E-07	473283.3	3771917.7	302.0	3.49	4.00
3.25	YES							
L0008265		0	0.10530E-07	473283.3	3771926.3	302.0	3.49	4.00
3.25	YES							
L0008266		0	0.10530E-07	473283.3	3771934.9	302.0	3.49	4.00
3.25	YES							
L0008267		0	0.10530E-07	473283.4	3771943.4	302.0	3.49	4.00
3.25	YES							
L0008268		0	0.10530E-07	473283.4	3771952.0	302.2	3.49	4.00
3.25	YES							
L0008269		0	0.10530E-07	473283.4	3771960.6	302.5	3.49	4.00
3.25	YES							
L0008270		0	0.10530E-07	473283.5	3771969.2	302.8	3.49	4.00
3.25	YES							
L0008271		0	0.10530E-07	473283.5	3771977.8	303.0	3.49	4.00
3.25	YES							
L0008272		0	0.10530E-07	473283.5	3771986.4	303.0	3.49	4.00
3.25	YES							
L0008273		0	0.10530E-07	473283.6	3771995.0	303.0	3.49	4.00
3.25	YES							
L0008274		0	0.10530E-07	473283.6	3772003.6	303.0	3.49	4.00
3.25	YES							
L0008275		0	0.10530E-07	473283.6	3772012.2	303.0	3.49	4.00
3.25	YES							
L0008276		0	0.10530E-07	473283.7	3772020.8	303.0	3.49	4.00
3.25	YES							
L0008277		0	0.10530E-07	473283.7	3772029.3	303.0	3.49	4.00
3.25	YES							
L0008278		0	0.10530E-07	473283.8	3772037.9	303.0	3.49	4.00
3.25	YES							
L0008279		0	0.10530E-07	473283.8	3772046.5	303.0	3.49	4.00
3.25	YES							
L0008280		0	0.10530E-07	473283.8	3772055.1	303.0	3.49	4.00

3.25	YES	L0008281	0	0.10530E-07	473283.8	3772063.7	303.0	3.49	4.00
3.25	YES	L0008282	0	0.10530E-07	473283.9	3772072.3	303.0	3.49	4.00
3.25	YES	L0008283	0	0.10530E-07	473283.9	3772080.9	302.9	3.49	4.00
3.25	YES	L0008284	0	0.10530E-07	473283.9	3772089.5	302.9	3.49	4.00
3.25	YES	L0008285	0	0.10530E-07	473283.9	3772098.1	302.8	3.49	4.00
3.25	YES	L0008286	0	0.10530E-07	473283.9	3772106.7	302.9	3.49	4.00
3.25	YES	L0008287	0	0.10530E-07	473284.0	3772115.2	302.9	3.49	4.00
3.25	YES	L0008288	0	0.10530E-07	473284.0	3772123.8	303.0	3.49	4.00
3.25	YES	L0008289	0	0.10530E-07	473284.0	3772132.4	303.0	3.49	4.00
3.25	YES	L0008290	0	0.10530E-07	473284.0	3772141.0	303.0	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 27

\*\*\* 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						

L0008291	0	0.10530E-07	473284.0	3772149.6	303.0	3.49	4.00		
3.25	YES	L0008292	0	0.10530E-07	473284.1	3772158.2	303.0	3.49	4.00
3.25	YES	L0008293	0	0.10530E-07	473284.1	3772166.8	303.0	3.49	4.00
3.25	YES	L0008294	0	0.10530E-07	473284.1	3772175.4	303.0	3.49	4.00
3.25	YES	L0008295	0	0.10530E-07	473284.1	3772184.0	303.0	3.49	4.00

3.25	YES							
L0008296		0	0.10530E-07	473284.1	3772192.6	303.2	3.49	4.00
3.25	YES							
L0008297		0	0.10530E-07	473284.1	3772201.1	303.5	3.49	4.00
3.25	YES							
L0008298		0	0.10530E-07	473284.2	3772209.7	303.8	3.49	4.00
3.25	YES							
L0008299		0	0.10530E-07	473284.2	3772218.3	304.0	3.49	4.00
3.25	YES							
L0008300		0	0.10530E-07	473284.2	3772226.9	304.0	3.49	4.00
3.25	YES							
L0008301		0	0.10530E-07	473284.2	3772235.5	304.0	3.49	4.00
3.25	YES							
L0008302		0	0.10530E-07	473284.2	3772244.1	304.0	3.49	4.00
3.25	YES							
L0008303		0	0.10530E-07	473284.3	3772252.7	304.0	3.49	4.00
3.25	YES							
L0008304		0	0.10530E-07	473284.3	3772261.3	304.0	3.49	4.00
3.25	YES							
L0008305		0	0.10530E-07	473284.3	3772269.9	304.0	3.49	4.00
3.25	YES							
L0008306		0	0.10530E-07	473284.3	3772278.5	304.0	3.49	4.00
3.25	YES							
L0008307		0	0.10530E-07	473284.3	3772287.0	304.0	3.49	4.00
3.25	YES							
L0008308		0	0.10530E-07	473284.4	3772295.6	304.0	3.49	4.00
3.25	YES							
L0008309		0	0.10530E-07	473284.4	3772304.2	304.0	3.49	4.00
3.25	YES							
L0008310		0	0.10530E-07	473284.4	3772312.8	304.0	3.49	4.00
3.25	YES							
L0008311		0	0.10530E-07	473284.4	3772321.4	304.0	3.49	4.00
3.25	YES							
L0008312		0	0.10530E-07	473284.4	3772330.0	304.0	3.49	4.00
3.25	YES							
L0008313		0	0.10530E-07	473284.5	3772338.6	304.0	3.49	4.00
3.25	YES							
L0008314		0	0.10530E-07	473284.5	3772347.2	304.1	3.49	4.00
3.25	YES							
L0008315		0	0.10530E-07	473284.5	3772355.8	304.1	3.49	4.00
3.25	YES							
L0008316		0	0.10530E-07	473284.5	3772364.4	304.2	3.49	4.00
3.25	YES							
L0008317		0	0.10530E-07	473284.5	3772372.9	304.2	3.49	4.00
3.25	YES							
L0008318		0	0.10530E-07	473284.6	3772381.5	304.2	3.49	4.00
3.25	YES							
L0008319		0	0.10530E-07	473284.6	3772390.1	304.2	3.49	4.00
3.25	YES							
L0008320		0	0.10530E-07	473284.6	3772398.7	304.2	3.49	4.00

3.25	YES	L0008321	0	0.10530E-07	473284.6	3772407.3	304.1	3.49	4.00
3.25	YES	L0008322	0	0.10530E-07	473284.6	3772415.9	304.1	3.49	4.00
3.25	YES	L0008323	0	0.10530E-07	473284.6	3772424.5	304.0	3.49	4.00
3.25	YES	L0008324	0	0.10530E-07	473284.7	3772433.1	304.0	3.49	4.00
3.25	YES	L0008325	0	0.10530E-07	473284.7	3772441.7	304.0	3.49	4.00
3.25	YES	L0008326	0	0.10530E-07	473284.7	3772450.3	304.0	3.49	4.00
3.25	YES	L0008327	0	0.10530E-07	473284.7	3772458.8	304.1	3.49	4.00
3.25	YES	L0008328	0	0.10530E-07	473284.7	3772467.4	304.4	3.49	4.00
3.25	YES	L0008329	0	0.10530E-07	473284.7	3772476.0	304.7	3.49	4.00
3.25	YES	L0008330	0	0.10530E-07	473284.7	3772484.6	304.9	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 28

\*\*\* 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						

L0008331	0	0.10530E-07	473284.7	3772493.2	305.0	3.49	4.00		
3.25	YES	L0008332	0	0.10530E-07	473284.7	3772501.8	305.0	3.49	4.00
3.25	YES	L0008333	0	0.10530E-07	473284.7	3772510.4	305.0	3.49	4.00
3.25	YES	L0008334	0	0.10530E-07	473284.7	3772519.0	305.0	3.49	4.00
3.25	YES	L0008335	0	0.10530E-07	473284.7	3772527.6	305.0	3.49	4.00

3.25	YES							
L0008336		0	0.10530E-07	473284.7	3772536.2	305.0	3.49	4.00
3.25	YES							
L0008337		0	0.10530E-07	473284.8	3772544.7	305.0	3.49	4.00
3.25	YES							
L0008338		0	0.10530E-07	473284.8	3772553.3	305.0	3.49	4.00
3.25	YES							
L0008339		0	0.10530E-07	473284.8	3772561.9	305.0	3.49	4.00
3.25	YES							
L0008340		0	0.10530E-07	473284.8	3772570.5	305.0	3.49	4.00
3.25	YES							
L0008341		0	0.10530E-07	473284.8	3772579.1	305.0	3.49	4.00
3.25	YES							
L0008342		0	0.10530E-07	473284.8	3772587.7	305.0	3.49	4.00
3.25	YES							
L0008343		0	0.10530E-07	473284.8	3772596.3	305.0	3.49	4.00
3.25	YES							
L0008344		0	0.10530E-07	473284.8	3772604.9	305.0	3.49	4.00
3.25	YES							
L0008345		0	0.10530E-07	473284.8	3772613.5	305.0	3.49	4.00
3.25	YES							
L0008346		0	0.10530E-07	473284.8	3772622.1	305.0	3.49	4.00
3.25	YES							
L0008347		0	0.10530E-07	473284.8	3772630.6	305.0	3.49	4.00
3.25	YES							
L0008348		0	0.10530E-07	473284.8	3772639.2	305.0	3.49	4.00
3.25	YES							
L0008349		0	0.10530E-07	473284.8	3772647.8	305.0	3.49	4.00
3.25	YES							
L0008350		0	0.10530E-07	473284.8	3772656.4	305.0	3.49	4.00
3.25	YES							
L0008351		0	0.10530E-07	473284.9	3772665.0	305.0	3.49	4.00
3.25	YES							
L0008352		0	0.10530E-07	473284.9	3772673.6	305.0	3.49	4.00
3.25	YES							
L0008353		0	0.10530E-07	473284.9	3772682.2	305.0	3.49	4.00
3.25	YES							
L0008354		0	0.10530E-07	473284.9	3772690.8	305.0	3.49	4.00
3.25	YES							
L0008355		0	0.10530E-07	473284.9	3772699.4	305.0	3.49	4.00
3.25	YES							
L0008356		0	0.10530E-07	473284.9	3772708.0	305.0	3.49	4.00
3.25	YES							
L0008357		0	0.10530E-07	473284.9	3772716.5	305.0	3.49	4.00
3.25	YES							
L0008358		0	0.10530E-07	473284.9	3772725.1	305.0	3.49	4.00
3.25	YES							
L0008359		0	0.10530E-07	473284.9	3772733.7	305.0	3.49	4.00
3.25	YES							
L0008360		0	0.10530E-07	473284.9	3772742.3	305.0	3.49	4.00



3.25	YES	L0008361	0	0.10530E-07	473284.9	3772750.9	305.0	3.49	4.00
3.25	YES	L0008362	0	0.10530E-07	473284.9	3772759.5	305.0	3.49	4.00
3.25	YES	L0008363	0	0.10530E-07	473284.9	3772768.1	305.0	3.49	4.00
3.25	YES	L0008364	0	0.10530E-07	473284.9	3772776.7	305.0	3.49	4.00
3.25	YES	L0008365	0	0.10530E-07	473285.0	3772785.3	305.0	3.49	4.00
3.25	YES	L0008366	0	0.10530E-07	473285.0	3772793.9	305.2	3.49	4.00
3.25	YES	L0008367	0	0.10530E-07	473285.0	3772802.4	305.4	3.49	4.00
3.25	YES	L0008368	0	0.10530E-07	473285.0	3772811.0	305.7	3.49	4.00
3.25	YES	L0008369	0	0.10530E-07	473285.0	3772819.6	305.8	3.49	4.00
3.25	YES	L0008370	0	0.10530E-07	473285.0	3772828.2	305.8	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 29

\*\*\* 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						

L0008371	0	0.10530E-07	473285.0	3772836.8	305.8	3.49	4.00		
3.25	YES	L0008372	0	0.10530E-07	473285.0	3772845.4	305.8	3.49	4.00
3.25	YES	L0008373	0	0.10530E-07	473285.0	3772854.0	305.9	3.49	4.00
3.25	YES	L0008374	0	0.10530E-07	473285.0	3772862.6	305.9	3.49	4.00
3.25	YES	L0008375	0	0.10530E-07	473285.0	3772871.2	306.0	3.49	4.00

3.25	YES							
L0008376		0	0.10530E-07	473285.0	3772879.8	306.0	3.49	4.00
3.25	YES							
L0008377		0	0.10530E-07	473285.0	3772888.3	306.0	3.49	4.00
3.25	YES							
L0008378		0	0.10530E-07	473285.0	3772896.9	306.0	3.49	4.00
3.25	YES							
L0008379		0	0.10530E-07	473285.1	3772905.5	306.0	3.49	4.00
3.25	YES							
L0008380		0	0.10530E-07	473285.1	3772914.1	306.0	3.49	4.00
3.25	YES							
L0008381		0	0.10530E-07	473285.1	3772922.7	306.0	3.49	4.00
3.25	YES							
L0008382		0	0.10530E-07	473285.1	3772931.3	306.0	3.49	4.00
3.25	YES							
L0008383		0	0.10530E-07	473285.2	3772939.9	306.0	3.49	4.00
3.25	YES							
L0008384		0	0.10530E-07	473285.2	3772948.5	306.0	3.49	4.00
3.25	YES							
L0008385		0	0.10530E-07	473285.3	3772957.1	306.0	3.49	4.00
3.25	YES							
L0008386		0	0.10530E-07	473285.3	3772965.7	306.0	3.49	4.00
3.25	YES							
L0008387		0	0.10530E-07	473285.4	3772974.2	306.0	3.49	4.00
3.25	YES							
L0008388		0	0.10530E-07	473285.5	3772982.8	306.0	3.49	4.00
3.25	YES							
L0008389		0	0.10530E-07	473285.5	3772991.4	306.0	3.49	4.00
3.25	YES							
L0008390		0	0.10530E-07	473285.6	3773000.0	306.1	3.49	4.00
3.25	YES							
L0008391		0	0.10530E-07	473285.6	3773008.6	306.4	3.49	4.00
3.25	YES							
L0008392		0	0.10530E-07	473285.7	3773017.2	306.7	3.49	4.00
3.25	YES							
L0008393		0	0.10530E-07	473285.7	3773025.8	307.0	3.49	4.00
3.25	YES							
L0008394		0	0.10530E-07	473285.8	3773034.4	307.0	3.49	4.00
3.25	YES							
L0008395		0	0.10530E-07	473285.9	3773043.0	307.0	3.49	4.00
3.25	YES							
L0008396		0	0.10530E-07	473285.9	3773051.5	307.0	3.49	4.00
3.25	YES							
L0008397		0	0.10530E-07	473286.0	3773060.1	307.0	3.49	4.00
3.25	YES							
L0008398		0	0.10530E-07	473286.0	3773068.7	307.0	3.49	4.00
3.25	YES							
L0008399		0	0.10530E-07	473286.1	3773077.3	307.0	3.49	4.00
3.25	YES							
L0008400		0	0.10530E-07	473286.1	3773085.9	307.0	3.49	4.00

3.25	YES							
L0008401		0	0.10530E-07	473286.2	3773094.5	307.2	3.49	4.00
3.25	YES							
L0008402		0	0.10530E-07	473286.2	3773103.1	307.5	3.49	4.00
3.25	YES							
L0008403		0	0.10530E-07	473286.3	3773111.7	307.8	3.49	4.00
3.25	YES							
L0008404		0	0.10530E-07	473286.4	3773120.3	307.9	3.49	4.00
3.25	YES							
L0008405		0	0.10530E-07	473286.4	3773128.9	307.9	3.49	4.00
3.25	YES							
L0008406		0	0.10530E-07	473286.5	3773137.4	308.0	3.49	4.00
3.25	YES							
L0008407		0	0.10530E-07	473286.5	3773146.0	308.0	3.49	4.00
3.25	YES							
L0008408		0	0.10530E-07	473286.6	3773154.6	308.0	3.49	4.00
3.25	YES							
L0008409		0	0.10530E-07	473286.6	3773163.2	308.0	3.49	4.00
3.25	YES							
L0008410		0	0.10530E-07	473286.7	3773171.8	308.0	3.49	4.00
3.25	YES							

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 30

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

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

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

L0008411		0	0.10530E-07	473286.8	3773180.4	308.0	3.49	4.00
3.25	YES							
L0008412		0	0.10530E-07	473286.8	3773189.0	308.0	3.49	4.00
3.25	YES							
L0008413		0	0.10530E-07	473286.9	3773197.6	308.0	3.49	4.00
3.25	YES							
L0008414		0	0.10530E-07	473286.9	3773206.2	308.0	3.49	4.00
3.25	YES							
L0008415		0	0.10530E-07	473287.0	3773214.8	308.2	3.49	4.00

3.25	YES							
L0008416		0	0.10530E-07	473287.0	3773223.3	308.5	3.49	4.00
3.25	YES							
L0008417		0	0.10530E-07	473287.1	3773231.9	308.8	3.49	4.00
3.25	YES							
L0008418		0	0.10530E-07	473287.1	3773240.5	308.9	3.49	4.00
3.25	YES							
L0008419		0	0.10530E-07	473287.2	3773249.1	308.9	3.49	4.00
3.25	YES							
L0008420		0	0.10530E-07	473287.3	3773257.7	308.9	3.49	4.00
3.25	YES							
L0008421		0	0.10530E-07	473287.3	3773266.3	308.9	3.49	4.00
3.25	YES							
L0008422		0	0.10530E-07	473287.4	3773274.9	308.9	3.49	4.00
3.25	YES							
L0008423		0	0.10530E-07	473287.4	3773283.5	308.9	3.49	4.00
3.25	YES							
L0008424		0	0.10530E-07	473287.5	3773292.1	308.9	3.49	4.00
3.25	YES							
L0008425		0	0.10530E-07	473287.5	3773300.7	308.9	3.49	4.00
3.25	YES							
L0008426		0	0.87790E-08	473282.6	3771745.9	302.0	3.49	4.00
3.25	YES							
L0008427		0	0.87790E-08	473282.6	3771754.5	302.0	3.49	4.00
3.25	YES							
L0008428		0	0.87790E-08	473282.7	3771763.1	302.0	3.49	4.00
3.25	YES							
L0008429		0	0.87790E-08	473282.7	3771771.6	302.0	3.49	4.00
3.25	YES							
L0008430		0	0.87790E-08	473282.7	3771780.2	302.0	3.49	4.00
3.25	YES							
L0008431		0	0.87790E-08	473282.8	3771788.8	302.0	3.49	4.00
3.25	YES							
L0008432		0	0.87790E-08	473282.8	3771797.4	302.0	3.49	4.00
3.25	YES							
L0008433		0	0.87790E-08	473282.8	3771806.0	302.0	3.49	4.00
3.25	YES							
L0008434		0	0.87790E-08	473282.9	3771814.6	302.0	3.49	4.00
3.25	YES							
L0008435		0	0.87790E-08	473282.9	3771823.2	302.0	3.49	4.00
3.25	YES							
L0008436		0	0.87790E-08	473282.9	3771831.8	302.0	3.49	4.00
3.25	YES							
L0008437		0	0.87790E-08	473283.0	3771840.4	302.0	3.49	4.00
3.25	YES							
L0008438		0	0.87790E-08	473283.0	3771849.0	302.0	3.49	4.00
3.25	YES							
L0008439		0	0.87790E-08	473283.0	3771857.5	302.0	3.49	4.00
3.25	YES							
L0008440		0	0.87790E-08	473283.1	3771866.1	302.0	3.49	4.00

3.25	YES							
L0008441		0	0.87790E-08	473283.1	3771874.7	302.0	3.49	4.00
3.25	YES							
L0008442		0	0.87790E-08	473283.1	3771883.3	302.0	3.49	4.00
3.25	YES							
L0008443		0	0.87790E-08	473283.2	3771891.9	302.0	3.49	4.00
3.25	YES							
L0008444		0	0.87790E-08	473283.2	3771900.5	302.0	3.49	4.00
3.25	YES							
L0008445		0	0.87790E-08	473283.2	3771909.1	302.0	3.49	4.00
3.25	YES							
L0008446		0	0.87790E-08	473283.3	3771917.7	302.0	3.49	4.00
3.25	YES							
L0008447		0	0.87790E-08	473283.3	3771926.3	302.0	3.49	4.00
3.25	YES							
L0008448		0	0.87790E-08	473283.3	3771934.9	302.0	3.49	4.00
3.25	YES							
L0008449		0	0.87790E-08	473283.4	3771943.4	302.0	3.49	4.00
3.25	YES							
L0008450		0	0.87790E-08	473283.4	3771952.0	302.2	3.49	4.00
3.25	YES							

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 31

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

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

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

L0008451		0	0.87790E-08	473283.4	3771960.6	302.5	3.49	4.00
3.25	YES							
L0008452		0	0.87790E-08	473283.5	3771969.2	302.8	3.49	4.00
3.25	YES							
L0008453		0	0.87790E-08	473283.5	3771977.8	303.0	3.49	4.00
3.25	YES							
L0008454		0	0.87790E-08	473283.5	3771986.4	303.0	3.49	4.00
3.25	YES							
L0008455		0	0.87790E-08	473283.6	3771995.0	303.0	3.49	4.00

3.25	YES							
L0008456		0	0.87790E-08	473283.6	3772003.6	303.0	3.49	4.00
3.25	YES							
L0008457		0	0.87790E-08	473283.6	3772012.2	303.0	3.49	4.00
3.25	YES							
L0008458		0	0.87790E-08	473283.7	3772020.8	303.0	3.49	4.00
3.25	YES							
L0008459		0	0.87790E-08	473283.7	3772029.3	303.0	3.49	4.00
3.25	YES							
L0008460		0	0.87790E-08	473283.8	3772037.9	303.0	3.49	4.00
3.25	YES							
L0008461		0	0.87790E-08	473283.8	3772046.5	303.0	3.49	4.00
3.25	YES							
L0008462		0	0.87790E-08	473283.8	3772055.1	303.0	3.49	4.00
3.25	YES							
L0008463		0	0.87790E-08	473283.8	3772063.7	303.0	3.49	4.00
3.25	YES							
L0008464		0	0.87790E-08	473283.9	3772072.3	303.0	3.49	4.00
3.25	YES							
L0008465		0	0.87790E-08	473283.9	3772080.9	302.9	3.49	4.00
3.25	YES							
L0008466		0	0.87790E-08	473283.9	3772089.5	302.9	3.49	4.00
3.25	YES							
L0008467		0	0.87790E-08	473283.9	3772098.1	302.8	3.49	4.00
3.25	YES							
L0008468		0	0.87790E-08	473283.9	3772106.7	302.9	3.49	4.00
3.25	YES							
L0008469		0	0.87790E-08	473284.0	3772115.2	302.9	3.49	4.00
3.25	YES							
L0008470		0	0.87790E-08	473284.0	3772123.8	303.0	3.49	4.00
3.25	YES							
L0008471		0	0.87790E-08	473284.0	3772132.4	303.0	3.49	4.00
3.25	YES							
L0008472		0	0.87790E-08	473284.0	3772141.0	303.0	3.49	4.00
3.25	YES							
L0008473		0	0.87790E-08	473284.0	3772149.6	303.0	3.49	4.00
3.25	YES							
L0008474		0	0.87790E-08	473284.1	3772158.2	303.0	3.49	4.00
3.25	YES							
L0008475		0	0.87790E-08	473284.1	3772166.8	303.0	3.49	4.00
3.25	YES							
L0008476		0	0.87790E-08	473284.1	3772175.4	303.0	3.49	4.00
3.25	YES							
L0008477		0	0.87790E-08	473284.1	3772184.0	303.0	3.49	4.00
3.25	YES							
L0008478		0	0.87790E-08	473284.1	3772192.6	303.2	3.49	4.00
3.25	YES							
L0008479		0	0.87790E-08	473284.1	3772201.1	303.5	3.49	4.00
3.25	YES							
L0008480		0	0.87790E-08	473284.2	3772209.7	303.8	3.49	4.00

3.25	YES							
L0008481		0	0.87790E-08	473284.2	3772218.3	304.0	3.49	4.00
3.25	YES							
L0008482		0	0.87790E-08	473284.2	3772226.9	304.0	3.49	4.00
3.25	YES							
L0008483		0	0.87790E-08	473284.2	3772235.5	304.0	3.49	4.00
3.25	YES							
L0008484		0	0.87790E-08	473284.2	3772244.1	304.0	3.49	4.00
3.25	YES							
L0008485		0	0.87790E-08	473284.3	3772252.7	304.0	3.49	4.00
3.25	YES							
L0008486		0	0.87790E-08	473284.3	3772261.3	304.0	3.49	4.00
3.25	YES							
L0008487		0	0.87790E-08	473284.3	3772269.9	304.0	3.49	4.00
3.25	YES							
L0008488		0	0.87790E-08	473284.3	3772278.5	304.0	3.49	4.00
3.25	YES							
L0008489		0	0.87790E-08	473284.3	3772287.0	304.0	3.49	4.00
3.25	YES							
L0008490		0	0.87790E-08	473284.4	3772295.6	304.0	3.49	4.00
3.25	YES							

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 32

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

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

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

L0008491		0	0.87790E-08	473284.4	3772304.2	304.0	3.49	4.00
3.25	YES							
L0008492		0	0.87790E-08	473284.4	3772312.8	304.0	3.49	4.00
3.25	YES							
L0008493		0	0.87790E-08	473284.4	3772321.4	304.0	3.49	4.00
3.25	YES							
L0008494		0	0.87790E-08	473284.4	3772330.0	304.0	3.49	4.00
3.25	YES							
L0008495		0	0.87790E-08	473284.5	3772338.6	304.0	3.49	4.00

3.25	YES							
L0008496		0	0.87790E-08	473284.5	3772347.2	304.1	3.49	4.00
3.25	YES							
L0008497		0	0.87790E-08	473284.5	3772355.8	304.1	3.49	4.00
3.25	YES							
L0008498		0	0.87790E-08	473284.5	3772364.4	304.2	3.49	4.00
3.25	YES							
L0008499		0	0.87790E-08	473284.5	3772372.9	304.2	3.49	4.00
3.25	YES							
L0008500		0	0.87790E-08	473284.6	3772381.5	304.2	3.49	4.00
3.25	YES							
L0008501		0	0.87790E-08	473284.6	3772390.1	304.2	3.49	4.00
3.25	YES							
L0008502		0	0.87790E-08	473284.6	3772398.7	304.2	3.49	4.00
3.25	YES							
L0008503		0	0.87790E-08	473284.6	3772407.3	304.1	3.49	4.00
3.25	YES							
L0008504		0	0.87790E-08	473284.6	3772415.9	304.1	3.49	4.00
3.25	YES							
L0008505		0	0.87790E-08	473284.6	3772424.5	304.0	3.49	4.00
3.25	YES							
L0008506		0	0.87790E-08	473284.7	3772433.1	304.0	3.49	4.00
3.25	YES							
L0008507		0	0.87790E-08	473284.7	3772441.7	304.0	3.49	4.00
3.25	YES							
L0008508		0	0.87790E-08	473284.7	3772450.3	304.0	3.49	4.00
3.25	YES							
L0008509		0	0.87790E-08	473284.7	3772458.8	304.1	3.49	4.00
3.25	YES							
L0008510		0	0.87790E-08	473284.7	3772467.4	304.4	3.49	4.00
3.25	YES							
L0008511		0	0.87790E-08	473284.7	3772476.0	304.7	3.49	4.00
3.25	YES							
L0008512		0	0.87790E-08	473284.7	3772484.6	304.9	3.49	4.00
3.25	YES							
L0008513		0	0.87790E-08	473284.7	3772493.2	305.0	3.49	4.00
3.25	YES							
L0008514		0	0.87790E-08	473284.7	3772501.8	305.0	3.49	4.00
3.25	YES							
L0008515		0	0.87790E-08	473284.7	3772510.4	305.0	3.49	4.00
3.25	YES							
L0008516		0	0.87790E-08	473284.7	3772519.0	305.0	3.49	4.00
3.25	YES							
L0008517		0	0.87790E-08	473284.7	3772527.6	305.0	3.49	4.00
3.25	YES							
L0008518		0	0.87790E-08	473284.7	3772536.2	305.0	3.49	4.00
3.25	YES							
L0008519		0	0.87790E-08	473284.8	3772544.7	305.0	3.49	4.00
3.25	YES							
L0008520		0	0.87790E-08	473284.8	3772553.3	305.0	3.49	4.00



3.25	YES							
L0008521		0	0.87790E-08	473284.8	3772561.9	305.0	3.49	4.00
3.25	YES							
L0008522		0	0.87790E-08	473284.8	3772570.5	305.0	3.49	4.00
3.25	YES							
L0008523		0	0.87790E-08	473284.8	3772579.1	305.0	3.49	4.00
3.25	YES							
L0008524		0	0.87790E-08	473284.8	3772587.7	305.0	3.49	4.00
3.25	YES							
L0008525		0	0.87790E-08	473284.8	3772596.3	305.0	3.49	4.00
3.25	YES							
L0008526		0	0.87790E-08	473284.8	3772604.9	305.0	3.49	4.00
3.25	YES							
L0008527		0	0.87790E-08	473284.8	3772613.5	305.0	3.49	4.00
3.25	YES							
L0008528		0	0.87790E-08	473284.8	3772622.1	305.0	3.49	4.00
3.25	YES							
L0008529		0	0.87790E-08	473284.8	3772630.6	305.0	3.49	4.00
3.25	YES							
L0008530		0	0.87790E-08	473284.8	3772639.2	305.0	3.49	4.00
3.25	YES							

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 33

\*\*\* 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						

L0008531		0	0.87790E-08	473284.8	3772647.8	305.0	3.49	4.00
3.25	YES							
L0008532		0	0.87790E-08	473284.8	3772656.4	305.0	3.49	4.00
3.25	YES							
L0008533		0	0.87790E-08	473284.9	3772665.0	305.0	3.49	4.00
3.25	YES							
L0008534		0	0.87790E-08	473284.9	3772673.6	305.0	3.49	4.00
3.25	YES							
L0008535		0	0.87790E-08	473284.9	3772682.2	305.0	3.49	4.00

3.25	YES							
L0008536		0	0.87790E-08	473284.9	3772690.8	305.0	3.49	4.00
3.25	YES							
L0008537		0	0.87790E-08	473284.9	3772699.4	305.0	3.49	4.00
3.25	YES							
L0008538		0	0.87790E-08	473284.9	3772708.0	305.0	3.49	4.00
3.25	YES							
L0008539		0	0.87790E-08	473284.9	3772716.5	305.0	3.49	4.00
3.25	YES							
L0008540		0	0.87790E-08	473284.9	3772725.1	305.0	3.49	4.00
3.25	YES							
L0008541		0	0.87790E-08	473284.9	3772733.7	305.0	3.49	4.00
3.25	YES							
L0008542		0	0.87790E-08	473284.9	3772742.3	305.0	3.49	4.00
3.25	YES							
L0008543		0	0.87790E-08	473284.9	3772750.9	305.0	3.49	4.00
3.25	YES							
L0008544		0	0.87790E-08	473284.9	3772759.5	305.0	3.49	4.00
3.25	YES							
L0008545		0	0.87790E-08	473284.9	3772768.1	305.0	3.49	4.00
3.25	YES							
L0008546		0	0.87790E-08	473284.9	3772776.7	305.0	3.49	4.00
3.25	YES							
L0008547		0	0.87790E-08	473285.0	3772785.3	305.0	3.49	4.00
3.25	YES							
L0008548		0	0.87790E-08	473285.0	3772793.9	305.2	3.49	4.00
3.25	YES							
L0008549		0	0.87790E-08	473285.0	3772802.4	305.4	3.49	4.00
3.25	YES							
L0008550		0	0.87790E-08	473285.0	3772811.0	305.7	3.49	4.00
3.25	YES							
L0008551		0	0.87790E-08	473285.0	3772819.6	305.8	3.49	4.00
3.25	YES							
L0008552		0	0.87790E-08	473285.0	3772828.2	305.8	3.49	4.00
3.25	YES							
L0008553		0	0.87790E-08	473285.0	3772836.8	305.8	3.49	4.00
3.25	YES							
L0008554		0	0.87790E-08	473285.0	3772845.4	305.8	3.49	4.00
3.25	YES							
L0008555		0	0.87790E-08	473285.0	3772854.0	305.9	3.49	4.00
3.25	YES							
L0008556		0	0.87790E-08	473285.0	3772862.6	305.9	3.49	4.00
3.25	YES							
L0008557		0	0.87790E-08	473285.0	3772871.2	306.0	3.49	4.00
3.25	YES							
L0008558		0	0.87790E-08	473285.0	3772879.8	306.0	3.49	4.00
3.25	YES							
L0008559		0	0.87790E-08	473285.0	3772888.3	306.0	3.49	4.00
3.25	YES							
L0008560		0	0.87790E-08	473285.0	3772896.9	306.0	3.49	4.00

3.25	YES	L0008561	0	0.87790E-08	473285.1	3772905.5	306.0	3.49	4.00
3.25	YES	L0008562	0	0.87790E-08	473285.1	3772914.1	306.0	3.49	4.00
3.25	YES	L0008563	0	0.87790E-08	473285.1	3772922.7	306.0	3.49	4.00
3.25	YES	L0008564	0	0.87790E-08	473285.1	3772931.3	306.0	3.49	4.00
3.25	YES	L0008565	0	0.87790E-08	473285.1	3772939.9	306.0	3.49	4.00
3.25	YES	L0008566	0	0.87790E-08	473285.1	3772948.5	306.0	3.49	4.00
3.25	YES	L0008567	0	0.87790E-08	473285.1	3772957.1	306.0	3.49	4.00
3.25	YES	L0008568	0	0.87790E-08	473285.1	3772965.7	306.0	3.49	4.00
3.25	YES	L0008569	0	0.87790E-08	473285.1	3772974.2	306.0	3.49	4.00
3.25	YES	L0008570	0	0.87790E-08	473285.1	3772982.8	306.0	3.49	4.00
3.25	YES								

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 34

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

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

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

L0008571	0	0.87790E-08	473285.2	3772991.4	306.0	3.49	4.00		
3.25	YES	L0008572	0	0.87790E-08	473285.2	3773000.0	306.1	3.49	4.00
3.25	YES	L0008573	0	0.87790E-08	473285.2	3773008.6	306.4	3.49	4.00
3.25	YES	L0008574	0	0.87790E-08	473285.2	3773017.2	306.7	3.49	4.00
3.25	YES	L0008575	0	0.87790E-08	473285.2	3773025.8	307.0	3.49	4.00

3.25	YES							
L0008576		0	0.87790E-08	473285.2	3773034.4	307.0	3.49	4.00
3.25	YES							
L0008577		0	0.87790E-08	473285.2	3773043.0	307.0	3.49	4.00
3.25	YES							
L0008578		0	0.87790E-08	473285.2	3773051.6	307.0	3.49	4.00
3.25	YES							
L0008579		0	0.87790E-08	473285.2	3773060.1	307.0	3.49	4.00
3.25	YES							
L0008580		0	0.87790E-08	473285.3	3773068.7	307.0	3.49	4.00
3.25	YES							
L0008581		0	0.87790E-08	473285.3	3773077.3	307.0	3.49	4.00
3.25	YES							
L0008582		0	0.87790E-08	473285.3	3773085.9	307.0	3.49	4.00
3.25	YES							
L0008583		0	0.87790E-08	473285.3	3773094.5	307.2	3.49	4.00
3.25	YES							
L0008584		0	0.87790E-08	473285.3	3773103.1	307.5	3.49	4.00
3.25	YES							
L0008585		0	0.87790E-08	473285.3	3773111.7	307.7	3.49	4.00
3.25	YES							
L0008586		0	0.87790E-08	473285.3	3773120.3	307.9	3.49	4.00
3.25	YES							
L0008587		0	0.87790E-08	473285.3	3773128.9	307.9	3.49	4.00
3.25	YES							
L0008588		0	0.87790E-08	473285.3	3773137.5	308.0	3.49	4.00
3.25	YES							
L0008589		0	0.87790E-08	473285.4	3773146.0	308.0	3.49	4.00
3.25	YES							
L0008590		0	0.87790E-08	473285.4	3773154.6	308.0	3.49	4.00
3.25	YES							
L0008591		0	0.87790E-08	473285.4	3773163.2	308.0	3.49	4.00
3.25	YES							
L0008592		0	0.87790E-08	473285.4	3773171.8	308.0	3.49	4.00
3.25	YES							
L0008593		0	0.87790E-08	473285.4	3773180.4	308.0	3.49	4.00
3.25	YES							
L0008594		0	0.87790E-08	473285.4	3773189.0	308.0	3.49	4.00
3.25	YES							
L0008595		0	0.87790E-08	473285.4	3773197.6	308.0	3.49	4.00
3.25	YES							
L0008596		0	0.87790E-08	473285.4	3773206.2	308.0	3.49	4.00
3.25	YES							
L0008597		0	0.87790E-08	473285.4	3773214.8	308.2	3.49	4.00
3.25	YES							
L0008598		0	0.87790E-08	473285.5	3773223.4	308.5	3.49	4.00
3.25	YES							
L0008599		0	0.87790E-08	473285.5	3773231.9	308.7	3.49	4.00
3.25	YES							
L0008600		0	0.87790E-08	473285.5	3773240.5	308.9	3.49	4.00

3.25	YES							
L0008601		0	0.87790E-08	473285.5	3773249.1	308.9	3.49	4.00
3.25	YES							
L0008602		0	0.87790E-08	473285.5	3773257.7	308.9	3.49	4.00
3.25	YES							
L0008603		0	0.87790E-08	473285.5	3773266.3	308.9	3.49	4.00
3.25	YES							
L0008604		0	0.87790E-08	473285.5	3773274.9	308.9	3.49	4.00
3.25	YES							
L0008605		0	0.87790E-08	473285.5	3773283.5	308.9	3.49	4.00
3.25	YES							
L0008606		0	0.87790E-08	473285.5	3773292.1	308.9	3.49	4.00
3.25	YES							
L0008607		0	0.87790E-08	473285.6	3773300.7	308.9	3.49	4.00
3.25	YES							
L0008608		0	0.87790E-08	473285.6	3773309.3	308.9	3.49	4.00
3.25	YES							
L0008609		0	0.87790E-08	473285.6	3773317.8	308.9	3.49	4.00
3.25	YES							
L0008610		0	0.87790E-08	473285.6	3773326.4	308.9	3.49	4.00
3.25	YES							

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 35

\*\*\* 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						

L0008611		0	0.87790E-08	473285.6	3773335.0	308.9	3.49	4.00
3.25	YES							
L0008612		0	0.87790E-08	473285.6	3773343.6	308.9	3.49	4.00
3.25	YES							
L0008613		0	0.87790E-08	473285.6	3773352.2	308.9	3.49	4.00
3.25	YES							
L0008614		0	0.87790E-08	473285.6	3773360.8	308.9	3.49	4.00
3.25	YES							
L0008615		0	0.87790E-08	473287.2	3773367.8	308.9	3.49	4.00

3.25	YES							
L0008616		0	0.87790E-08	473295.8	3773367.8	309.0	3.49	4.00
3.25	YES							
L0008617		0	0.87790E-08	473304.4	3773367.7	309.0	3.49	4.00
3.25	YES							
L0008618		0	0.87790E-08	473313.0	3773367.7	309.0	3.49	4.00
3.25	YES							
L0008619		0	0.87790E-08	473321.6	3773367.7	309.0	3.49	4.00
3.25	YES							
L0008620		0	0.87790E-08	473330.2	3773367.7	309.0	3.49	4.00
3.25	YES							
L0008621		0	0.87790E-08	473338.8	3773367.7	309.0	3.49	4.00
3.25	YES							
L0008622		0	0.87790E-08	473347.4	3773367.7	309.0	3.49	4.00
3.25	YES							
L0008623		0	0.87790E-08	473356.0	3773367.6	309.2	3.49	4.00
3.25	YES							
L0008624		0	0.87790E-08	473364.6	3773367.6	309.5	3.49	4.00
3.25	YES							
L0008625		0	0.87790E-08	473373.1	3773367.6	309.8	3.49	4.00
3.25	YES							
L0008626		0	0.87790E-08	473381.7	3773367.6	310.0	3.49	4.00
3.25	YES							
L0008627		0	0.87790E-08	473390.3	3773367.6	310.0	3.49	4.00
3.25	YES							
L0008628		0	0.87790E-08	473398.9	3773367.6	310.0	3.49	4.00
3.25	YES							
L0008629		0	0.87790E-08	473407.5	3773367.5	310.0	3.49	4.00
3.25	YES							
L0008630		0	0.87790E-08	473416.1	3773367.5	310.0	3.49	4.00
3.25	YES							
L0008631		0	0.87790E-08	473424.7	3773367.5	310.0	3.49	4.00
3.25	YES							
L0008632		0	0.87790E-08	473433.3	3773367.5	310.0	3.49	4.00
3.25	YES							
L0008633		0	0.87790E-08	473441.9	3773367.5	310.0	3.49	4.00
3.25	YES							
L0008634		0	0.87790E-08	473450.5	3773367.5	310.0	3.49	4.00
3.25	YES							
L0008635		0	0.87790E-08	473459.0	3773367.4	310.0	3.49	4.00
3.25	YES							
L0008636		0	0.87790E-08	473467.6	3773367.4	310.0	3.49	4.00
3.25	YES							
L0008637		0	0.87790E-08	473476.2	3773367.4	310.0	3.49	4.00
3.25	YES							
L0008638		0	0.87790E-08	473484.8	3773367.4	310.0	3.49	4.00
3.25	YES							
L0008639		0	0.15780E-07	473282.6	3771745.9	302.0	3.49	4.00
3.25	YES							
L0008640		0	0.15780E-07	473282.6	3771754.5	302.0	3.49	4.00

3.25	YES	L0008641	0	0.15780E-07	473282.7	3771763.1	302.0	3.49	4.00
3.25	YES	L0008642	0	0.15780E-07	473282.7	3771771.6	302.0	3.49	4.00
3.25	YES	L0008643	0	0.15780E-07	473282.7	3771780.2	302.0	3.49	4.00
3.25	YES	L0008644	0	0.15780E-07	473282.8	3771788.8	302.0	3.49	4.00
3.25	YES	L0008645	0	0.15780E-07	473282.8	3771797.4	302.0	3.49	4.00
3.25	YES	L0008646	0	0.15780E-07	473282.8	3771806.0	302.0	3.49	4.00
3.25	YES	L0008647	0	0.15780E-07	473282.9	3771814.6	302.0	3.49	4.00
3.25	YES	L0008648	0	0.15780E-07	473282.9	3771823.2	302.0	3.49	4.00
3.25	YES	L0008649	0	0.15780E-07	473282.9	3771831.8	302.0	3.49	4.00
3.25	YES	L0008650	0	0.15780E-07	473283.0	3771840.4	302.0	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 36

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

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

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

L0008651	0	0.15780E-07	473283.0	3771849.0	302.0	3.49	4.00		
3.25	YES	L0008652	0	0.15780E-07	473283.0	3771857.5	302.0	3.49	4.00
3.25	YES	L0008653	0	0.15780E-07	473283.1	3771866.1	302.0	3.49	4.00
3.25	YES	L0008654	0	0.15780E-07	473283.1	3771874.7	302.0	3.49	4.00
3.25	YES	L0008655	0	0.15780E-07	473283.1	3771883.3	302.0	3.49	4.00

3.25	YES							
L0008656		0	0.15780E-07	473283.2	3771891.9	302.0	3.49	4.00
3.25	YES							
L0008657		0	0.15780E-07	473283.2	3771900.5	302.0	3.49	4.00
3.25	YES							
L0008658		0	0.15780E-07	473283.2	3771909.1	302.0	3.49	4.00
3.25	YES							
L0008659		0	0.15780E-07	473283.3	3771917.7	302.0	3.49	4.00
3.25	YES							
L0008660		0	0.15780E-07	473283.3	3771926.3	302.0	3.49	4.00
3.25	YES							
L0008661		0	0.15780E-07	473283.3	3771934.9	302.0	3.49	4.00
3.25	YES							
L0008662		0	0.15780E-07	473283.4	3771943.4	302.0	3.49	4.00
3.25	YES							
L0008663		0	0.15780E-07	473283.4	3771952.0	302.2	3.49	4.00
3.25	YES							
L0008664		0	0.15780E-07	473283.4	3771960.6	302.5	3.49	4.00
3.25	YES							
L0008665		0	0.15780E-07	473283.5	3771969.2	302.8	3.49	4.00
3.25	YES							
L0008666		0	0.15780E-07	473283.5	3771977.8	303.0	3.49	4.00
3.25	YES							
L0008667		0	0.15780E-07	473283.5	3771986.4	303.0	3.49	4.00
3.25	YES							
L0008668		0	0.15780E-07	473283.6	3771995.0	303.0	3.49	4.00
3.25	YES							
L0008669		0	0.15780E-07	473283.6	3772003.6	303.0	3.49	4.00
3.25	YES							
L0008670		0	0.15780E-07	473283.6	3772012.2	303.0	3.49	4.00
3.25	YES							
L0008671		0	0.15780E-07	473283.7	3772020.8	303.0	3.49	4.00
3.25	YES							
L0008672		0	0.15780E-07	473283.7	3772029.3	303.0	3.49	4.00
3.25	YES							
L0008673		0	0.15780E-07	473283.8	3772037.9	303.0	3.49	4.00
3.25	YES							
L0008674		0	0.15780E-07	473283.8	3772046.5	303.0	3.49	4.00
3.25	YES							
L0008675		0	0.15780E-07	473283.8	3772055.1	303.0	3.49	4.00
3.25	YES							
L0008676		0	0.15780E-07	473283.8	3772063.7	303.0	3.49	4.00
3.25	YES							
L0008677		0	0.15780E-07	473283.9	3772072.3	303.0	3.49	4.00
3.25	YES							
L0008678		0	0.15780E-07	473283.9	3772080.9	302.9	3.49	4.00
3.25	YES							
L0008679		0	0.15780E-07	473283.9	3772089.5	302.9	3.49	4.00
3.25	YES							
L0008680		0	0.15780E-07	473283.9	3772098.1	302.8	3.49	4.00



3.25	YES	L0008681	0	0.15780E-07	473283.9	3772106.7	302.9	3.49	4.00
3.25	YES	L0008682	0	0.15780E-07	473284.0	3772115.2	302.9	3.49	4.00
3.25	YES	L0008683	0	0.15780E-07	473284.0	3772123.8	303.0	3.49	4.00
3.25	YES	L0008684	0	0.15780E-07	473284.0	3772132.4	303.0	3.49	4.00
3.25	YES	L0008685	0	0.15780E-07	473284.0	3772141.0	303.0	3.49	4.00
3.25	YES	L0008686	0	0.15780E-07	473284.0	3772149.6	303.0	3.49	4.00
3.25	YES	L0008687	0	0.15780E-07	473284.1	3772158.2	303.0	3.49	4.00
3.25	YES	L0008688	0	0.15780E-07	473284.1	3772166.8	303.0	3.49	4.00
3.25	YES	L0008689	0	0.15780E-07	473284.1	3772175.4	303.0	3.49	4.00
3.25	YES	L0008690	0	0.15780E-07	473284.1	3772184.0	303.0	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 37

\*\*\* 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						

L0008691	0	0.15780E-07	473284.1	3772192.6	303.2	3.49	4.00		
3.25	YES	L0008692	0	0.15780E-07	473284.1	3772201.1	303.5	3.49	4.00
3.25	YES	L0008693	0	0.15780E-07	473284.2	3772209.7	303.8	3.49	4.00
3.25	YES	L0008694	0	0.15780E-07	473284.2	3772218.3	304.0	3.49	4.00
3.25	YES	L0008695	0	0.15780E-07	473284.2	3772226.9	304.0	3.49	4.00

3.25	YES							
L0008696		0	0.15780E-07	473284.2	3772235.5	304.0	3.49	4.00
3.25	YES							
L0008697		0	0.15780E-07	473284.2	3772244.1	304.0	3.49	4.00
3.25	YES							
L0008698		0	0.15780E-07	473284.3	3772252.7	304.0	3.49	4.00
3.25	YES							
L0008699		0	0.15780E-07	473284.3	3772261.3	304.0	3.49	4.00
3.25	YES							
L0008700		0	0.15780E-07	473284.3	3772269.9	304.0	3.49	4.00
3.25	YES							
L0008701		0	0.15780E-07	473284.3	3772278.5	304.0	3.49	4.00
3.25	YES							
L0008702		0	0.15780E-07	473284.3	3772287.0	304.0	3.49	4.00
3.25	YES							
L0008703		0	0.15780E-07	473284.4	3772295.6	304.0	3.49	4.00
3.25	YES							
L0008704		0	0.15780E-07	473284.4	3772304.2	304.0	3.49	4.00
3.25	YES							
L0008705		0	0.15780E-07	473284.4	3772312.8	304.0	3.49	4.00
3.25	YES							
L0008706		0	0.15780E-07	473284.4	3772321.4	304.0	3.49	4.00
3.25	YES							
L0008707		0	0.15780E-07	473284.4	3772330.0	304.0	3.49	4.00
3.25	YES							
L0008708		0	0.15780E-07	473284.5	3772338.6	304.0	3.49	4.00
3.25	YES							
L0008709		0	0.15780E-07	473284.5	3772347.2	304.1	3.49	4.00
3.25	YES							
L0008710		0	0.15780E-07	473284.5	3772355.8	304.1	3.49	4.00
3.25	YES							
L0008711		0	0.15780E-07	473284.5	3772364.4	304.2	3.49	4.00
3.25	YES							
L0008712		0	0.15780E-07	473284.5	3772372.9	304.2	3.49	4.00
3.25	YES							
L0008713		0	0.15780E-07	473284.6	3772381.5	304.2	3.49	4.00
3.25	YES							
L0008714		0	0.15780E-07	473284.6	3772390.1	304.2	3.49	4.00
3.25	YES							
L0008715		0	0.15780E-07	473284.6	3772398.7	304.2	3.49	4.00
3.25	YES							
L0008716		0	0.15780E-07	473284.6	3772407.3	304.1	3.49	4.00
3.25	YES							
L0008717		0	0.15780E-07	473284.6	3772415.9	304.1	3.49	4.00
3.25	YES							
L0008718		0	0.15780E-07	473284.6	3772424.5	304.0	3.49	4.00
3.25	YES							
L0008719		0	0.15780E-07	473284.7	3772433.1	304.0	3.49	4.00
3.25	YES							
L0008720		0	0.15780E-07	473284.7	3772441.7	304.0	3.49	4.00

3.25	YES	L0008721	0	0.15780E-07	473284.7	3772450.3	304.0	3.49	4.00
3.25	YES	L0008722	0	0.15780E-07	473284.7	3772458.8	304.1	3.49	4.00
3.25	YES	L0008723	0	0.15780E-07	473284.7	3772467.4	304.4	3.49	4.00
3.25	YES	L0008724	0	0.15780E-07	473284.7	3772476.0	304.7	3.49	4.00
3.25	YES	L0008725	0	0.15780E-07	473284.7	3772484.6	304.9	3.49	4.00
3.25	YES	L0008726	0	0.15780E-07	473284.7	3772493.2	305.0	3.49	4.00
3.25	YES	L0008727	0	0.15780E-07	473284.7	3772501.8	305.0	3.49	4.00
3.25	YES	L0008728	0	0.15780E-07	473284.7	3772510.4	305.0	3.49	4.00
3.25	YES	L0008729	0	0.15780E-07	473284.7	3772519.0	305.0	3.49	4.00
3.25	YES	L0008730	0	0.15780E-07	473284.7	3772527.6	305.0	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 38

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

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

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

L0008731	0	0.15780E-07	473284.7	3772536.2	305.0	3.49	4.00		
3.25	YES	L0008732	0	0.15780E-07	473284.8	3772544.7	305.0	3.49	4.00
3.25	YES	L0008733	0	0.15780E-07	473284.8	3772553.3	305.0	3.49	4.00
3.25	YES	L0008734	0	0.15780E-07	473284.8	3772561.9	305.0	3.49	4.00
3.25	YES	L0008735	0	0.15780E-07	473284.8	3772570.5	305.0	3.49	4.00

3.25	YES							
L0008736		0	0.15780E-07	473284.8	3772579.1	305.0	3.49	4.00
3.25	YES							
L0008737		0	0.15780E-07	473284.8	3772587.7	305.0	3.49	4.00
3.25	YES							
L0008738		0	0.15780E-07	473284.8	3772596.3	305.0	3.49	4.00
3.25	YES							
L0008739		0	0.15780E-07	473284.8	3772604.9	305.0	3.49	4.00
3.25	YES							
L0008740		0	0.15780E-07	473284.8	3772613.5	305.0	3.49	4.00
3.25	YES							
L0008741		0	0.15780E-07	473284.8	3772622.1	305.0	3.49	4.00
3.25	YES							
L0008742		0	0.15780E-07	473284.8	3772630.6	305.0	3.49	4.00
3.25	YES							
L0008743		0	0.15780E-07	473284.8	3772639.2	305.0	3.49	4.00
3.25	YES							
L0008744		0	0.15780E-07	473284.8	3772647.8	305.0	3.49	4.00
3.25	YES							
L0008745		0	0.15780E-07	473284.8	3772656.4	305.0	3.49	4.00
3.25	YES							
L0008746		0	0.15780E-07	473284.9	3772665.0	305.0	3.49	4.00
3.25	YES							
L0008747		0	0.15780E-07	473284.9	3772673.6	305.0	3.49	4.00
3.25	YES							
L0008748		0	0.15780E-07	473284.9	3772682.2	305.0	3.49	4.00
3.25	YES							
L0008749		0	0.15780E-07	473284.9	3772690.8	305.0	3.49	4.00
3.25	YES							
L0008750		0	0.15780E-07	473284.9	3772699.4	305.0	3.49	4.00
3.25	YES							
L0008751		0	0.15780E-07	473284.9	3772708.0	305.0	3.49	4.00
3.25	YES							
L0008752		0	0.15780E-07	473284.9	3772716.5	305.0	3.49	4.00
3.25	YES							
L0008753		0	0.15780E-07	473284.9	3772725.1	305.0	3.49	4.00
3.25	YES							
L0008754		0	0.15780E-07	473284.9	3772733.7	305.0	3.49	4.00
3.25	YES							
L0008755		0	0.15780E-07	473284.9	3772742.3	305.0	3.49	4.00
3.25	YES							
L0008756		0	0.15780E-07	473284.9	3772750.9	305.0	3.49	4.00
3.25	YES							
L0008757		0	0.15780E-07	473284.9	3772759.5	305.0	3.49	4.00
3.25	YES							
L0008758		0	0.15780E-07	473284.9	3772768.1	305.0	3.49	4.00
3.25	YES							
L0008759		0	0.15780E-07	473284.9	3772776.7	305.0	3.49	4.00
3.25	YES							
L0008760		0	0.15780E-07	473285.0	3772785.3	305.0	3.49	4.00

3.25	YES	L0008761	0	0.15780E-07	473285.0	3772793.9	305.2	3.49	4.00
3.25	YES	L0008762	0	0.15780E-07	473285.0	3772802.4	305.4	3.49	4.00
3.25	YES	L0008763	0	0.15780E-07	473285.0	3772811.0	305.7	3.49	4.00
3.25	YES	L0008764	0	0.15780E-07	473285.0	3772819.6	305.8	3.49	4.00
3.25	YES	L0008765	0	0.15780E-07	473285.0	3772828.2	305.8	3.49	4.00
3.25	YES	L0008766	0	0.15780E-07	473285.0	3772836.8	305.8	3.49	4.00
3.25	YES	L0008767	0	0.15780E-07	473285.0	3772845.4	305.8	3.49	4.00
3.25	YES	L0008768	0	0.15780E-07	473285.0	3772854.0	305.9	3.49	4.00
3.25	YES	L0008769	0	0.15780E-07	473285.0	3772862.6	305.9	3.49	4.00
3.25	YES	L0008770	0	0.15780E-07	473285.0	3772871.2	306.0	3.49	4.00

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 39

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

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

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

L0008771	0	0.15780E-07	473285.0	3772879.8	306.0	3.49	4.00		
3.25	YES	L0008772	0	0.15780E-07	473285.0	3772888.3	306.0	3.49	4.00
3.25	YES	L0008773	0	0.15780E-07	473285.0	3772896.9	306.0	3.49	4.00
3.25	YES	L0008774	0	0.15780E-07	473285.1	3772905.5	306.0	3.49	4.00
3.25	YES	L0008775	0	0.15780E-07	473285.1	3772914.1	306.0	3.49	4.00

3.25	YES							
L0008776		0	0.15780E-07	473285.1	3772922.7	306.0	3.49	4.00
3.25	YES							
L0008777		0	0.15780E-07	473285.1	3772931.3	306.0	3.49	4.00
3.25	YES							
L0008778		0	0.15780E-07	473285.1	3772939.9	306.0	3.49	4.00
3.25	YES							
L0008779		0	0.15780E-07	473285.1	3772948.5	306.0	3.49	4.00
3.25	YES							
L0008780		0	0.15780E-07	473285.1	3772957.1	306.0	3.49	4.00
3.25	YES							
L0008781		0	0.15780E-07	473285.1	3772965.7	306.0	3.49	4.00
3.25	YES							
L0008782		0	0.15780E-07	473285.1	3772974.2	306.0	3.49	4.00
3.25	YES							
L0008783		0	0.15780E-07	473285.1	3772982.8	306.0	3.49	4.00
3.25	YES							
L0008784		0	0.15780E-07	473285.2	3772991.4	306.0	3.49	4.00
3.25	YES							
L0008785		0	0.15780E-07	473285.2	3773000.0	306.1	3.49	4.00
3.25	YES							
L0008786		0	0.15780E-07	473285.2	3773008.6	306.4	3.49	4.00
3.25	YES							
L0008787		0	0.15780E-07	473285.2	3773017.2	306.7	3.49	4.00
3.25	YES							
L0008788		0	0.15780E-07	473285.2	3773025.8	307.0	3.49	4.00
3.25	YES							
L0008789		0	0.15780E-07	473285.2	3773034.4	307.0	3.49	4.00
3.25	YES							
L0008790		0	0.15780E-07	473285.2	3773043.0	307.0	3.49	4.00
3.25	YES							
L0008791		0	0.15780E-07	473285.2	3773051.6	307.0	3.49	4.00
3.25	YES							
L0008792		0	0.15780E-07	473285.2	3773060.1	307.0	3.49	4.00
3.25	YES							
L0008793		0	0.15780E-07	473285.3	3773068.7	307.0	3.49	4.00
3.25	YES							
L0008794		0	0.15780E-07	473285.3	3773077.3	307.0	3.49	4.00
3.25	YES							
L0008795		0	0.15780E-07	473285.3	3773085.9	307.0	3.49	4.00
3.25	YES							
L0008796		0	0.15780E-07	473285.3	3773094.5	307.2	3.49	4.00
3.25	YES							
L0008797		0	0.15780E-07	473285.3	3773103.1	307.5	3.49	4.00
3.25	YES							
L0008798		0	0.15780E-07	473285.3	3773111.7	307.7	3.49	4.00
3.25	YES							
L0008799		0	0.15780E-07	473285.3	3773120.3	307.9	3.49	4.00
3.25	YES							
L0008800		0	0.15780E-07	473285.3	3773128.9	307.9	3.49	4.00

3.25	YES							
L0008801		0	0.15780E-07	473285.3	3773137.5	308.0	3.49	4.00
3.25	YES							
L0008802		0	0.15780E-07	473285.4	3773146.0	308.0	3.49	4.00
3.25	YES							
L0008803		0	0.15780E-07	473285.4	3773154.6	308.0	3.49	4.00
3.25	YES							
L0008804		0	0.15780E-07	473285.4	3773163.2	308.0	3.49	4.00
3.25	YES							
L0008805		0	0.15780E-07	473285.4	3773171.8	308.0	3.49	4.00
3.25	YES							
L0008806		0	0.15780E-07	473285.4	3773180.4	308.0	3.49	4.00
3.25	YES							
L0008807		0	0.15780E-07	473285.4	3773189.0	308.0	3.49	4.00
3.25	YES							
L0008808		0	0.15780E-07	473285.4	3773197.6	308.0	3.49	4.00
3.25	YES							
L0008809		0	0.15780E-07	473285.4	3773206.2	308.0	3.49	4.00
3.25	YES							
L0008810		0	0.15780E-07	473285.4	3773214.8	308.2	3.49	4.00
3.25	YES							

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 40

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

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

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

L0008811		0	0.15780E-07	473285.5	3773223.4	308.5	3.49	4.00
3.25	YES							
L0008812		0	0.15780E-07	473285.5	3773231.9	308.7	3.49	4.00
3.25	YES							
L0008813		0	0.15780E-07	473285.5	3773240.5	308.9	3.49	4.00
3.25	YES							
L0008814		0	0.15780E-07	473285.5	3773249.1	308.9	3.49	4.00
3.25	YES							
L0008815		0	0.15780E-07	473285.5	3773257.7	308.9	3.49	4.00

3.25	YES							
L0008816		0	0.15780E-07	473285.5	3773266.3	308.9	3.49	4.00
3.25	YES							
L0008817		0	0.15780E-07	473285.5	3773274.9	308.9	3.49	4.00
3.25	YES							
L0008818		0	0.15780E-07	473285.5	3773283.5	308.9	3.49	4.00
3.25	YES							
L0008819		0	0.15780E-07	473285.5	3773292.1	308.9	3.49	4.00
3.25	YES							
L0008820		0	0.15780E-07	473285.6	3773300.7	308.9	3.49	4.00
3.25	YES							
L0008821		0	0.15780E-07	473285.6	3773309.3	308.9	3.49	4.00
3.25	YES							
L0008822		0	0.15780E-07	473285.6	3773317.8	308.9	3.49	4.00
3.25	YES							
L0008823		0	0.15780E-07	473285.6	3773326.4	308.9	3.49	4.00
3.25	YES							
L0008824		0	0.15780E-07	473285.6	3773335.0	308.9	3.49	4.00
3.25	YES							
L0008825		0	0.15780E-07	473285.6	3773343.6	308.9	3.49	4.00
3.25	YES							
L0008826		0	0.15780E-07	473285.6	3773352.2	308.9	3.49	4.00
3.25	YES							
L0008827		0	0.15780E-07	473285.6	3773360.8	308.9	3.49	4.00
3.25	YES							
L0008828		0	0.15780E-07	473287.2	3773367.8	308.9	3.49	4.00
3.25	YES							
L0008829		0	0.15780E-07	473295.8	3773367.7	309.0	3.49	4.00
3.25	YES							
L0008830		0	0.15780E-07	473304.4	3773367.7	309.0	3.49	4.00
3.25	YES							
L0008831		0	0.15780E-07	473313.0	3773367.6	309.0	3.49	4.00
3.25	YES							
L0008832		0	0.15780E-07	473321.6	3773367.6	309.0	3.49	4.00
3.25	YES							
L0008833		0	0.15780E-07	473330.2	3773367.5	309.0	3.49	4.00
3.25	YES							
L0008834		0	0.15780E-07	473338.8	3773367.5	309.0	3.49	4.00
3.25	YES							
L0008835		0	0.15780E-07	473347.4	3773367.4	309.0	3.49	4.00
3.25	YES							
L0008836		0	0.15780E-07	473356.0	3773367.4	309.2	3.49	4.00
3.25	YES							
L0008837		0	0.15780E-07	473364.6	3773367.3	309.5	3.49	4.00
3.25	YES							
L0008838		0	0.15780E-07	473373.1	3773367.2	309.8	3.49	4.00
3.25	YES							
L0008839		0	0.15780E-07	473381.7	3773367.2	310.0	3.49	4.00
3.25	YES							
L0008840		0	0.15780E-07	473390.3	3773367.1	310.0	3.49	4.00



3.25	YES							
L0008841		0	0.15780E-07	473398.9	3773367.1	310.0	3.49	4.00
3.25	YES							
L0008842		0	0.15780E-07	473407.5	3773367.0	310.0	3.49	4.00
3.25	YES							
L0008843		0	0.15780E-07	473416.1	3773367.0	310.0	3.49	4.00
3.25	YES							
L0008844		0	0.15780E-07	473424.7	3773366.9	310.0	3.49	4.00
3.25	YES							
L0008845		0	0.15780E-07	473433.3	3773366.9	310.0	3.49	4.00
3.25	YES							
L0008846		0	0.15780E-07	473441.9	3773366.8	310.0	3.49	4.00
3.25	YES							
L0008847		0	0.15780E-07	473450.5	3773366.8	310.0	3.49	4.00
3.25	YES							
L0008848		0	0.15780E-07	473459.0	3773366.7	310.0	3.49	4.00
3.25	YES							
L0008849		0	0.15780E-07	473467.6	3773366.7	310.0	3.49	4.00
3.25	YES							
L0008850		0	0.15780E-07	473476.2	3773366.6	310.0	3.49	4.00
3.25	YES							

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 41

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

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

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

L0008851		0	0.15780E-07	473484.8	3773366.6	310.0	3.49	4.00
3.25	YES							
L0008852		0	0.15780E-07	473493.4	3773366.5	310.0	3.49	4.00
3.25	YES							
L0008853		0	0.15780E-07	473502.0	3773366.5	310.0	3.49	4.00
3.25	YES							
L0008854		0	0.15780E-07	473510.6	3773366.4	310.0	3.49	4.00
3.25	YES							
L0008855		0	0.15780E-07	473519.2	3773366.3	310.0	3.49	4.00

3.25	YES							
L0008856		0	0.15780E-07	473527.8	3773366.3	310.0	3.49	4.00
3.25	YES							
L0008857		0	0.15780E-07	473536.3	3773366.2	310.0	3.49	4.00
3.25	YES							
L0008858		0	0.15780E-07	473544.9	3773366.2	310.0	3.49	4.00
3.25	YES							
L0008859		0	0.15780E-07	473553.5	3773366.1	310.0	3.49	4.00
3.25	YES							
L0008860		0	0.15780E-07	473562.1	3773366.1	310.0	3.49	4.00
3.25	YES							
L0008861		0	0.15780E-07	473570.7	3773366.0	310.0	3.49	4.00
3.25	YES							
L0008862		0	0.15780E-07	473579.3	3773366.0	310.0	3.49	4.00
3.25	YES							
L0008863		0	0.15780E-07	473587.9	3773365.9	310.0	3.49	4.00
3.25	YES							

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 42

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

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs					
-----	-----					
ALL	L0001014	, L0001015	, L0001016	, L0001017	, L0001018	,
L0001019	, L0001020	, L0000718	,			
	L0000719	, L0000720	, L0000721	, L0000722	, L0000723	,
L0000724	, L0000725	, L0000948	,			
	L0000949	, L0000950	, L0000951	, L0000952	, L0000953	,
L0000954	, L0000955	, L0000956	,			
	L0000957	, L0000958	, L0000959	, L0000960	, L0000961	,
L0000962	, L0000963	, L0000964	,			
	L0000965	, L0000966	, L0000967	, L0000968	, L0000969	,
L0000970	, L0000971	, L0000972	,			
	L0000973	, L0000974	, L0000975	, L0000976	, L0000977	,
L0000978	, L0000979	, L0000980	,			

L0000763      L0000758      , L0000759      , L0000760      , L0000761      , L0000762      ,  
                  , L0000764      , L0000765      ,  
  
 L0000771      L0000766      , L0000767      , L0000768      , L0000769      , L0000770      ,  
                  , L0000772      , L0000773      ,  
  
 L0000779      L0000774      , L0000775      , L0000776      , L0000777      , L0000778      ,  
                  , L0000780      , L0000781      ,  
  
 L0000787      L0000782      , L0000783      , L0000784      , L0000785      , L0000786      ,  
                  , L0000788      , L0000789      ,  
  
 L0006066      L0000790      , L0006062      , L0006063      , L0006064      , L0006065      ,  
                  , L0006067      , L0006068      ,  
  
 L0006074      L0006069      , L0006070      , L0006071      , L0006072      , L0006073      ,  
                  , L0006075      , L0006076      ,  
  
 L0006082      L0006077      , L0006078      , L0006079      , L0006080      , L0006081      ,  
                  , L0006083      , L0006084      ,  
  
 L0006090      L0006085      , L0006086      , L0006087      , L0006088      , L0006089      ,  
                  , L0006091      , L0006092      ,  
  
 L0006098      L0006093      , L0006094      , L0006095      , L0006096      , L0006097      ,  
                  , L0006099      , L0006100      ,  
  
 L0006106      L0006101      , L0006102      , L0006103      , L0006104      , L0006105      ,  
                  , L0006107      , L0006108      ,  
  
 L0006114      L0006109      , L0006110      , L0006111      , L0006112      , L0006113      ,  
                  , L0006115      , L0006116      ,  
  
 L0006122      L0006117      , L0006118      , L0006119      , L0006120      , L0006121      ,  
                  , L0006123      , L0006124      ,  
  
 L0006130      L0006125      , L0006126      , L0006127      , L0006128      , L0006129      ,  
                  , L0006131      , L0006132      ,  
  
 L0006138      L0006133      , L0006134      , L0006135      , L0006136      , L0006137      ,  
                  , L0006139      , L0006140      ,

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                  \*\*\*      17:18:53

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0006146	L0006141	, L0006142	, L0006143	, L0006144	, L0006145	,
	, L0006147	, L0006148	,			
L0006154	L0006149	, L0006150	, L0006151	, L0006152	, L0006153	,
	, L0006155	, L0006156	,			
L0006162	L0006157	, L0006158	, L0006159	, L0006160	, L0006161	,
	, L0006163	, L0006164	,			
L0006170	L0006165	, L0006166	, L0006167	, L0006168	, L0006169	,
	, L0006171	, L0006172	,			
L0006178	L0006173	, L0006174	, L0006175	, L0006176	, L0006177	,
	, L0006179	, L0006180	,			
L0006186	L0006181	, L0006182	, L0006183	, L0006184	, L0006185	,
	, L0006187	, L0006188	,			
L0006194	L0006189	, L0006190	, L0006191	, L0006192	, L0006193	,
	, L0006195	, L0006196	,			
L0006202	L0006197	, L0006198	, L0006199	, L0006200	, L0006201	,
	, L0006203	, L0006204	,			
L0006210	L0006205	, L0006206	, L0006207	, L0006208	, L0006209	,
	, L0006211	, L0006212	,			
L0006218	L0006213	, L0006214	, L0006215	, L0006216	, L0006217	,
	, L0006219	, L0006220	,			
L0006226	L0006221	, L0006222	, L0006223	, L0006224	, L0006225	,
	, L0006227	, L0006228	,			
L0006234	L0006229	, L0006230	, L0006231	, L0006232	, L0006233	,
	, L0006235	, L0006236	,			
L0006242	L0006237	, L0006238	, L0006239	, L0006240	, L0006241	,
	, L0006243	, L0007554	,			
L0007560	L0007555	, L0007556	, L0007557	, L0007558	, L0007559	,
	, L0007561	, L0007562	,			

L0007568      L0007563      , L0007564      , L0007565      , L0007566      , L0007567      ,  
                  , L0007569      , L0007570      ,  
  
 L0007576      L0007571      , L0007572      , L0007573      , L0007574      , L0007575      ,  
                  , L0007577      , L0007578      ,  
  
 L0007584      L0007579      , L0007580      , L0007581      , L0007582      , L0007583      ,  
                  , L0007585      , L0007586      ,  
  
 L0007592      L0007587      , L0007588      , L0007589      , L0007590      , L0007591      ,  
                  , L0007593      , L0007594      ,  
  
 L0007600      L0007595      , L0007596      , L0007597      , L0007598      , L0007599      ,  
                  , L0007601      , L0007602      ,  
  
 L0007608      L0007603      , L0007604      , L0007605      , L0007606      , L0007607      ,  
                  , L0007609      , L0007610      ,

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                  \*\*\*      17:18:53

PAGE 44

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

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0007616	L0007611      , L0007612      , L0007613      , L0007614      , L0007615      , , L0007617      , L0007618      ,
L0007624	L0007619      , L0007620      , L0007621      , L0007622      , L0007623      , , L0007625      , L0007626      ,
L0007632	L0007627      , L0007628      , L0007629      , L0007630      , L0007631      , , L0007633      , L0007634      ,
L0007640	L0007635      , L0007636      , L0007637      , L0007638      , L0007639      , , L0007641      , L0007642      ,
L0007648	L0007643      , L0007644      , L0007645      , L0007646      , L0007647      , , L0007649      , L0007650      ,
L0007656	L0007651      , L0007652      , L0007653      , L0007654      , L0007655      , , L0007657      , L0007658      ,

L0007664      L0007659      , L0007660      , L0007661      , L0007662      , L0007663      ,  
                   , L0007665      , L0007666      ,  
  
 L0007672      L0007667      , L0007668      , L0007669      , L0007670      , L0007671      ,  
                   , L0007673      , L0007674      ,  
  
 L0007680      L0007675      , L0007676      , L0007677      , L0007678      , L0007679      ,  
                   , L0007681      , L0007682      ,  
  
 L0007688      L0007683      , L0007684      , L0007685      , L0007686      , L0007687      ,  
                   , L0007689      , L0007690      ,  
  
 L0007696      L0007691      , L0007692      , L0007693      , L0007694      , L0007695      ,  
                   , L0007697      , L0007698      ,  
  
 L0007704      L0007699      , L0007700      , L0007701      , L0007702      , L0007703      ,  
                   , L0007705      , L0007706      ,  
  
 L0007712      L0007707      , L0007708      , L0007709      , L0007710      , L0007711      ,  
                   , L0007713      , L0007714      ,  
  
 L0007720      L0007715      , L0007716      , L0007717      , L0007718      , L0007719      ,  
                   , L0007721      , L0007722      ,  
  
 L0007728      L0007723      , L0007724      , L0007725      , L0007726      , L0007727      ,  
                   , L0007729      , L0007730      ,  
  
 L0007736      L0007731      , L0007732      , L0007733      , L0007734      , L0007735      ,  
                   , L0007737      , L0007738      ,  
  
 L0007744      L0007739      , L0007740      , L0007741      , L0007742      , L0007743      ,  
                   , L0007745      , L0007746      ,  
  
 L0007752      L0007747      , L0007748      , L0007749      , L0007750      , L0007751      ,  
                   , L0007753      , L0007754      ,  
  
 L0007760      L0007755      , L0007756      , L0007757      , L0007758      , L0007759      ,  
                   , L0007761      , L0007762      ,  
  
 L0007768      L0007763      , L0007764      , L0007765      , L0007766      , L0007767      ,  
                   , L0007769      , L0007770      ,

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0007776	L0007771	, L0007772	, L0007773	, L0007774	, L0007775	,
	, L0007777	, L0007778	,			
L0007784	L0007779	, L0007780	, L0007781	, L0007782	, L0007783	,
	, L0007785	, L0007786	,			
L0007792	L0007787	, L0007788	, L0007789	, L0007790	, L0007791	,
	, L0007793	, L0007794	,			
L0007800	L0007795	, L0007796	, L0007797	, L0007798	, L0007799	,
	, L0007801	, L0007802	,			
L0007808	L0007803	, L0007804	, L0007805	, L0007806	, L0007807	,
	, L0007809	, L0007810	,			
L0007816	L0007811	, L0007812	, L0007813	, L0007814	, L0007815	,
	, L0007817	, L0007818	,			
L0007824	L0007819	, L0007820	, L0007821	, L0007822	, L0007823	,
	, L0007825	, L0007826	,			
L0007832	L0007827	, L0007828	, L0007829	, L0007830	, L0007831	,
	, L0007833	, L0007834	,			
L0007840	L0007835	, L0007836	, L0007837	, L0007838	, L0007839	,
	, L0007841	, L0007842	,			
L0007848	L0007843	, L0007844	, L0007845	, L0007846	, L0007847	,
	, L0007849	, L0007850	,			
L0007856	L0007851	, L0007852	, L0007853	, L0007854	, L0007855	,
	, L0007857	, L0007858	,			
L0007864	L0007859	, L0007860	, L0007861	, L0007862	, L0007863	,
	, L0007865	, L0007866	,			
L0007872	L0007867	, L0007868	, L0007869	, L0007870	, L0007871	,
	, L0007873	, L0007874	,			
L0007880	L0007875	, L0007876	, L0007877	, L0007878	, L0007879	,
	, L0007881	, L0007882	,			

L0007888      L0007883      , L0007884      , L0007885      , L0007886      , L0007887      ,  
                  , L0007889      , L0007890      ,  
  
 L0007896      L0007891      , L0007892      , L0007893      , L0007894      , L0007895      ,  
                  , L0007897      , L0007898      ,  
  
 L0007904      L0007899      , L0007900      , L0007901      , L0007902      , L0007903      ,  
                  , L0007905      , L0007906      ,  
  
 L0007912      L0007907      , L0007908      , L0007909      , L0007910      , L0007911      ,  
                  , L0007913      , L0007914      ,  
  
 L0007920      L0007915      , L0007916      , L0007917      , L0007918      , L0007919      ,  
                  , L0007921      , L0007922      ,  
  
 L0007928      L0007923      , L0007924      , L0007925      , L0007926      , L0007927      ,  
                  , L0007929      , L0007930      ,

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                  \*\*\*      17:18:53

PAGE 46

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

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID

-----

SOURCE IDs

-----

L0007936      L0007931      , L0007932      , L0007933      , L0007934      , L0007935      ,  
                  , L0007937      , L0007938      ,  
  
 L0007944      L0007939      , L0007940      , L0007941      , L0007942      , L0007943      ,  
                  , L0007945      , L0007946      ,  
  
 L0007952      L0007947      , L0007948      , L0007949      , L0007950      , L0007951      ,  
                  , L0007953      , L0007954      ,  
  
 L0007960      L0007955      , L0007956      , L0007957      , L0007958      , L0007959      ,  
                  , L0007961      , L0007962      ,  
  
 L0007968      L0007963      , L0007964      , L0007965      , L0007966      , L0007967      ,  
                  , L0007969      , L0007970      ,  
  
 L0007976      L0007971      , L0007972      , L0007973      , L0007974      , L0007975      ,  
                  , L0007977      , L0007978      ,



L0007984      L0007979      , L0007980      , L0007981      , L0007982      , L0007983      ,  
                   , L0007985      , L0007986      ,  
  
 L0007992      L0007987      , L0007988      , L0007989      , L0007990      , L0007991      ,  
                   , L0007993      , L0007994      ,  
  
 L0008000      L0007995      , L0007996      , L0007997      , L0007998      , L0007999      ,  
                   , L0008001      , L0008002      ,  
  
 L0008008      L0008003      , L0008004      , L0008005      , L0008006      , L0008007      ,  
                   , L0008009      , L0008010      ,  
  
 L0008016      L0008011      , L0008012      , L0008013      , L0008014      , L0008015      ,  
                   , L0008017      , L0008018      ,  
  
 L0008024      L0008019      , L0008020      , L0008021      , L0008022      , L0008023      ,  
                   , L0008025      , L0008026      ,  
  
 L0008032      L0008027      , L0008028      , L0008029      , L0008030      , L0008031      ,  
                   , L0008033      , L0008034      ,  
  
 L0008040      L0008035      , L0008036      , L0008037      , L0008038      , L0008039      ,  
                   , L0008041      , L0008042      ,  
  
 L0008048      L0008043      , L0008044      , L0008045      , L0008046      , L0008047      ,  
                   , L0008049      , L0008050      ,  
  
 L0008056      L0008051      , L0008052      , L0008053      , L0008054      , L0008055      ,  
                   , L0008057      , L0008058      ,  
  
 L0008064      L0008059      , L0008060      , L0008061      , L0008062      , L0008063      ,  
                   , L0008065      , L0008066      ,  
  
 L0008072      L0008067      , L0008068      , L0008069      , L0008070      , L0008071      ,  
                   , L0008073      , L0008074      ,  
  
 L0008080      L0008075      , L0008076      , L0008077      , L0008078      , L0008079      ,  
                   , L0008081      , L0008082      ,  
  
 L0008088      L0008083      , L0008084      , L0008085      , L0008086      , L0008087      ,  
                   , L0008089      , L0008090      ,

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0008096	L0008091	, L0008092	, L0008093	, L0008094	, L0008095	,
	, L0008097	, L0008098	,			
L0008104	L0008099	, L0008100	, L0008101	, L0008102	, L0008103	,
	, L0008105	, L0008106	,			
L0008112	L0008107	, L0008108	, L0008109	, L0008110	, L0008111	,
	, L0008113	, L0008114	,			
L0008120	L0008115	, L0008116	, L0008117	, L0008118	, L0008119	,
	, L0008121	, L0008122	,			
L0008128	L0008123	, L0008124	, L0008125	, L0008126	, L0008127	,
	, L0008129	, L0008130	,			
L0008136	L0008131	, L0008132	, L0008133	, L0008134	, L0008135	,
	, L0008137	, L0008138	,			
L0008144	L0008139	, L0008140	, L0008141	, L0008142	, L0008143	,
	, L0008145	, L0008146	,			
L0008152	L0008147	, L0008148	, L0008149	, L0008150	, L0008151	,
	, L0008153	, L0008154	,			
L0008160	L0008155	, L0008156	, L0008157	, L0008158	, L0008159	,
	, L0008161	, L0008162	,			
L0008168	L0008163	, L0008164	, L0008165	, L0008166	, L0008167	,
	, L0008169	, L0008170	,			
L0008176	L0008171	, L0008172	, L0008173	, L0008174	, L0008175	,
	, L0008177	, L0008178	,			
L0008184	L0008179	, L0008180	, L0008181	, L0008182	, L0008183	,
	, L0008185	, L0008186	,			
L0008192	L0008187	, L0008188	, L0008189	, L0008190	, L0008191	,
	, L0008193	, L0008194	,			
L0008200	L0008195	, L0008196	, L0008197	, L0008198	, L0008199	,
	, L0008201	, L0008202	,			

L0008208      L0008203 , L0008204 , L0008205 , L0008206 , L0008207 ,  
                   , L0008209 , L0008210 ,  
  
 L0008216      L0008211 , L0008212 , L0008213 , L0008214 , L0008215 ,  
                   , L0008217 , L0008218 ,  
  
 L0008224      L0008219 , L0008220 , L0008221 , L0008222 , L0008223 ,  
                   , L0008225 , L0008226 ,  
  
 L0008232      L0008227 , L0008228 , L0008229 , L0008230 , L0008231 ,  
                   , L0008233 , L0008234 ,  
  
 L0008240      L0008235 , L0008236 , L0008237 , L0008238 , L0008239 ,  
                   , L0008241 , L0008242 ,  
  
 L0008248      L0008243 , L0008244 , L0008245 , L0008246 , L0008247 ,  
                   , L0008249 , L0008250 ,

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 48

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

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID

-----

SOURCE IDs

-----

L0008256      L0008251 , L0008252 , L0008253 , L0008254 , L0008255 ,  
                   , L0008257 , L0008258 ,  
  
 L0008264      L0008259 , L0008260 , L0008261 , L0008262 , L0008263 ,  
                   , L0008265 , L0008266 ,  
  
 L0008272      L0008267 , L0008268 , L0008269 , L0008270 , L0008271 ,  
                   , L0008273 , L0008274 ,  
  
 L0008280      L0008275 , L0008276 , L0008277 , L0008278 , L0008279 ,  
                   , L0008281 , L0008282 ,  
  
 L0008288      L0008283 , L0008284 , L0008285 , L0008286 , L0008287 ,  
                   , L0008289 , L0008290 ,  
  
 L0008296      L0008291 , L0008292 , L0008293 , L0008294 , L0008295 ,  
                   , L0008297 , L0008298 ,

L0008304      L0008299      , L0008300      , L0008301      , L0008302      , L0008303      ,  
                  , L0008305      , L0008306      ,  
  
 L0008312      L0008307      , L0008308      , L0008309      , L0008310      , L0008311      ,  
                  , L0008313      , L0008314      ,  
  
 L0008320      L0008315      , L0008316      , L0008317      , L0008318      , L0008319      ,  
                  , L0008321      , L0008322      ,  
  
 L0008328      L0008323      , L0008324      , L0008325      , L0008326      , L0008327      ,  
                  , L0008329      , L0008330      ,  
  
 L0008336      L0008331      , L0008332      , L0008333      , L0008334      , L0008335      ,  
                  , L0008337      , L0008338      ,  
  
 L0008344      L0008339      , L0008340      , L0008341      , L0008342      , L0008343      ,  
                  , L0008345      , L0008346      ,  
  
 L0008352      L0008347      , L0008348      , L0008349      , L0008350      , L0008351      ,  
                  , L0008353      , L0008354      ,  
  
 L0008360      L0008355      , L0008356      , L0008357      , L0008358      , L0008359      ,  
                  , L0008361      , L0008362      ,  
  
 L0008368      L0008363      , L0008364      , L0008365      , L0008366      , L0008367      ,  
                  , L0008369      , L0008370      ,  
  
 L0008376      L0008371      , L0008372      , L0008373      , L0008374      , L0008375      ,  
                  , L0008377      , L0008378      ,  
  
 L0008384      L0008379      , L0008380      , L0008381      , L0008382      , L0008383      ,  
                  , L0008385      , L0008386      ,  
  
 L0008392      L0008387      , L0008388      , L0008389      , L0008390      , L0008391      ,  
                  , L0008393      , L0008394      ,  
  
 L0008400      L0008395      , L0008396      , L0008397      , L0008398      , L0008399      ,  
                  , L0008401      , L0008402      ,  
  
 L0008408      L0008403      , L0008404      , L0008405      , L0008406      , L0008407      ,  
                  , L0008409      , L0008410      ,

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                  \*\*\*      17:18:53

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0008416	L0008411	, L0008412	, L0008413	, L0008414	, L0008415	,
	, L0008417	, L0008418	,			
L0008424	L0008419	, L0008420	, L0008421	, L0008422	, L0008423	,
	, L0008425	, L0008426	,			
L0008432	L0008427	, L0008428	, L0008429	, L0008430	, L0008431	,
	, L0008433	, L0008434	,			
L0008440	L0008435	, L0008436	, L0008437	, L0008438	, L0008439	,
	, L0008441	, L0008442	,			
L0008448	L0008443	, L0008444	, L0008445	, L0008446	, L0008447	,
	, L0008449	, L0008450	,			
L0008456	L0008451	, L0008452	, L0008453	, L0008454	, L0008455	,
	, L0008457	, L0008458	,			
L0008464	L0008459	, L0008460	, L0008461	, L0008462	, L0008463	,
	, L0008465	, L0008466	,			
L0008472	L0008467	, L0008468	, L0008469	, L0008470	, L0008471	,
	, L0008473	, L0008474	,			
L0008480	L0008475	, L0008476	, L0008477	, L0008478	, L0008479	,
	, L0008481	, L0008482	,			
L0008488	L0008483	, L0008484	, L0008485	, L0008486	, L0008487	,
	, L0008489	, L0008490	,			
L0008496	L0008491	, L0008492	, L0008493	, L0008494	, L0008495	,
	, L0008497	, L0008498	,			
L0008504	L0008499	, L0008500	, L0008501	, L0008502	, L0008503	,
	, L0008505	, L0008506	,			
L0008512	L0008507	, L0008508	, L0008509	, L0008510	, L0008511	,
	, L0008513	, L0008514	,			
L0008520	L0008515	, L0008516	, L0008517	, L0008518	, L0008519	,
	, L0008521	, L0008522	,			

```

L0008528      L0008523      , L0008524      , L0008525      , L0008526      , L0008527      ,
, L0008529      , L0008530      ,

L0008536      L0008531      , L0008532      , L0008533      , L0008534      , L0008535      ,
, L0008537      , L0008538      ,

L0008544      L0008539      , L0008540      , L0008541      , L0008542      , L0008543      ,
, L0008545      , L0008546      ,

L0008552      L0008547      , L0008548      , L0008549      , L0008550      , L0008551      ,
, L0008553      , L0008554      ,

L0008560      L0008555      , L0008556      , L0008557      , L0008558      , L0008559      ,
, L0008561      , L0008562      ,

L0008568      L0008563      , L0008564      , L0008565      , L0008566      , L0008567      ,
, L0008569      , L0008570      ,

```

```

^ *** AERMOD - VERSION 22112 *** *** C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660
S ARROWHEAD\14660 OPS\146 *** 08/15/23
*** AERMET - VERSION 16216 *** ***
*** 17:18:53

```

PAGE 50

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

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID

-----

SOURCE IDs

-----

```

L0008576      L0008571      , L0008572      , L0008573      , L0008574      , L0008575      ,
, L0008577      , L0008578      ,

L0008584      L0008579      , L0008580      , L0008581      , L0008582      , L0008583      ,
, L0008585      , L0008586      ,

L0008592      L0008587      , L0008588      , L0008589      , L0008590      , L0008591      ,
, L0008593      , L0008594      ,

L0008600      L0008595      , L0008596      , L0008597      , L0008598      , L0008599      ,
, L0008601      , L0008602      ,

L0008608      L0008603      , L0008604      , L0008605      , L0008606      , L0008607      ,
, L0008609      , L0008610      ,

L0008616      L0008611      , L0008612      , L0008613      , L0008614      , L0008615      ,
, L0008617      , L0008618      ,

```

L0008624 , L0008619 , L0008620 , L0008621 , L0008622 , L0008623 ,  
 , L0008625 , L0008626 , ,  
 L0008632 , L0008627 , L0008628 , L0008629 , L0008630 , L0008631 ,  
 , L0008633 , L0008634 , ,  
 L0008640 , L0008635 , L0008636 , L0008637 , L0008638 , L0008639 ,  
 , L0008641 , L0008642 , ,  
 L0008648 , L0008643 , L0008644 , L0008645 , L0008646 , L0008647 ,  
 , L0008649 , L0008650 , ,  
 L0008656 , L0008651 , L0008652 , L0008653 , L0008654 , L0008655 ,  
 , L0008657 , L0008658 , ,  
 L0008664 , L0008659 , L0008660 , L0008661 , L0008662 , L0008663 ,  
 , L0008665 , L0008666 , ,  
 L0008672 , L0008667 , L0008668 , L0008669 , L0008670 , L0008671 ,  
 , L0008673 , L0008674 , ,  
 L0008680 , L0008675 , L0008676 , L0008677 , L0008678 , L0008679 ,  
 , L0008681 , L0008682 , ,  
 L0008688 , L0008683 , L0008684 , L0008685 , L0008686 , L0008687 ,  
 , L0008689 , L0008690 , ,  
 L0008696 , L0008691 , L0008692 , L0008693 , L0008694 , L0008695 ,  
 , L0008697 , L0008698 , ,  
 L0008704 , L0008699 , L0008700 , L0008701 , L0008702 , L0008703 ,  
 , L0008705 , L0008706 , ,  
 L0008712 , L0008707 , L0008708 , L0008709 , L0008710 , L0008711 ,  
 , L0008713 , L0008714 , ,  
 L0008720 , L0008715 , L0008716 , L0008717 , L0008718 , L0008719 ,  
 , L0008721 , L0008722 , ,  
 L0008728 , L0008723 , L0008724 , L0008725 , L0008726 , L0008727 ,  
 , L0008729 , L0008730 , ,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\* 08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 17:18:53

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS

\*\*\*

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0008736	L0008731	, L0008732	, L0008733	, L0008734	, L0008735	,
	, L0008737	, L0008738	,			
L0008744	L0008739	, L0008740	, L0008741	, L0008742	, L0008743	,
	, L0008745	, L0008746	,			
L0008752	L0008747	, L0008748	, L0008749	, L0008750	, L0008751	,
	, L0008753	, L0008754	,			
L0008760	L0008755	, L0008756	, L0008757	, L0008758	, L0008759	,
	, L0008761	, L0008762	,			
L0008768	L0008763	, L0008764	, L0008765	, L0008766	, L0008767	,
	, L0008769	, L0008770	,			
L0008776	L0008771	, L0008772	, L0008773	, L0008774	, L0008775	,
	, L0008777	, L0008778	,			
L0008784	L0008779	, L0008780	, L0008781	, L0008782	, L0008783	,
	, L0008785	, L0008786	,			
L0008792	L0008787	, L0008788	, L0008789	, L0008790	, L0008791	,
	, L0008793	, L0008794	,			
L0008800	L0008795	, L0008796	, L0008797	, L0008798	, L0008799	,
	, L0008801	, L0008802	,			
L0008808	L0008803	, L0008804	, L0008805	, L0008806	, L0008807	,
	, L0008809	, L0008810	,			
L0008816	L0008811	, L0008812	, L0008813	, L0008814	, L0008815	,
	, L0008817	, L0008818	,			
L0008824	L0008819	, L0008820	, L0008821	, L0008822	, L0008823	,
	, L0008825	, L0008826	,			
L0008832	L0008827	, L0008828	, L0008829	, L0008830	, L0008831	,
	, L0008833	, L0008834	,			
L0008840	L0008835	, L0008836	, L0008837	, L0008838	, L0008839	,
	, L0008841	, L0008842	,			



L0008848      L0008843    , L0008844    , L0008845    , L0008846    , L0008847    ,  
                 , L0008849    , L0008850    ,

L0008856      L0008851    , L0008852    , L0008853    , L0008854    , L0008855    ,  
                 , L0008857    , L0008858    ,

                 L0008859    , L0008860    , L0008861    , L0008862    , L0008863    ,

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23

\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                 \*\*\*      17:18:53

PAGE 52

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

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

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	
L0001018	2035210.	L0001014	, L0001015	, L0001016	, L0001017	,	
L0000718	, L0001019	, L0001020	,				
L0000724	L0000719	, L0000720	, L0000721	, L0000722	, L0000723	,	
	, L0000725	, L0000948	,				
L0000954	L0000949	, L0000950	, L0000951	, L0000952	, L0000953	,	
	, L0000955	, L0000956	,				
L0000962	L0000957	, L0000958	, L0000959	, L0000960	, L0000961	,	
	, L0000963	, L0000964	,				
L0000970	L0000965	, L0000966	, L0000967	, L0000968	, L0000969	,	
	, L0000971	, L0000972	,				
L0000978	L0000973	, L0000974	, L0000975	, L0000976	, L0000977	,	
	, L0000979	, L0000980	,				
L0000763	L0000758	, L0000759	, L0000760	, L0000761	, L0000762	,	
	, L0000764	, L0000765	,				
L0000771	L0000766	, L0000767	, L0000768	, L0000769	, L0000770	,	
	, L0000772	, L0000773	,				
L0000779	L0000774	, L0000775	, L0000776	, L0000777	, L0000778	,	
	, L0000780	, L0000781	,				

L0000787      L0000782      , L0000783      , L0000784      , L0000785      , L0000786      ,  
                  , L0000788      , L0000789      ,  
  
 L0006066      L0000790      , L0006062      , L0006063      , L0006064      , L0006065      ,  
                  , L0006067      , L0006068      ,  
  
 L0006074      L0006069      , L0006070      , L0006071      , L0006072      , L0006073      ,  
                  , L0006075      , L0006076      ,  
  
 L0006082      L0006077      , L0006078      , L0006079      , L0006080      , L0006081      ,  
                  , L0006083      , L0006084      ,  
  
 L0006090      L0006085      , L0006086      , L0006087      , L0006088      , L0006089      ,  
                  , L0006091      , L0006092      ,  
  
 L0006098      L0006093      , L0006094      , L0006095      , L0006096      , L0006097      ,  
                  , L0006099      , L0006100      ,  
  
 L0006106      L0006101      , L0006102      , L0006103      , L0006104      , L0006105      ,  
                  , L0006107      , L0006108      ,  
  
 L0006114      L0006109      , L0006110      , L0006111      , L0006112      , L0006113      ,  
                  , L0006115      , L0006116      ,  
  
 L0006122      L0006117      , L0006118      , L0006119      , L0006120      , L0006121      ,  
                  , L0006123      , L0006124      ,  
  
 L0006130      L0006125      , L0006126      , L0006127      , L0006128      , L0006129      ,  
                  , L0006131      , L0006132      ,  
  
 L0006138      L0006133      , L0006134      , L0006135      , L0006136      , L0006137      ,  
                  , L0006139      , L0006140      ,

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                  \*\*\*      17:18:53

PAGE 53

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

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

\*\*\*

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

L0006141      , L0006142      , L0006143      , L0006144      , L0006145      ,

L0006146 , L0006147 , L0006148 ,  
L0006149 , L0006150 , L0006151 , L0006152 , L0006153 ,  
L0006154 , L0006155 , L0006156 ,  
L0006157 , L0006158 , L0006159 , L0006160 , L0006161 ,  
L0006162 , L0006163 , L0006164 ,  
L0006165 , L0006166 , L0006167 , L0006168 , L0006169 ,  
L0006170 , L0006171 , L0006172 ,  
L0006173 , L0006174 , L0006175 , L0006176 , L0006177 ,  
L0006178 , L0006179 , L0006180 ,  
L0006181 , L0006182 , L0006183 , L0006184 , L0006185 ,  
L0006186 , L0006187 , L0006188 ,  
L0006189 , L0006190 , L0006191 , L0006192 , L0006193 ,  
L0006194 , L0006195 , L0006196 ,  
L0006197 , L0006198 , L0006199 , L0006200 , L0006201 ,  
L0006202 , L0006203 , L0006204 ,  
L0006205 , L0006206 , L0006207 , L0006208 , L0006209 ,  
L0006210 , L0006211 , L0006212 ,  
L0006213 , L0006214 , L0006215 , L0006216 , L0006217 ,  
L0006218 , L0006219 , L0006220 ,  
L0006221 , L0006222 , L0006223 , L0006224 , L0006225 ,  
L0006226 , L0006227 , L0006228 ,  
L0006229 , L0006230 , L0006231 , L0006232 , L0006233 ,  
L0006234 , L0006235 , L0006236 ,  
L0006237 , L0006238 , L0006239 , L0006240 , L0006241 ,  
L0006242 , L0006243 , L0007554 ,  
L0007555 , L0007556 , L0007557 , L0007558 , L0007559 ,  
L0007560 , L0007561 , L0007562 ,  
L0007563 , L0007564 , L0007565 , L0007566 , L0007567 ,  
L0007568 , L0007569 , L0007570 ,  
L0007571 , L0007572 , L0007573 , L0007574 , L0007575 ,  
L0007576 , L0007577 , L0007578 ,  
L0007579 , L0007580 , L0007581 , L0007582 , L0007583 ,  
L0007584 , L0007585 , L0007586 ,

```

L0007592      L0007587      , L0007588      , L0007589      , L0007590      , L0007591      ,
, L0007593      , L0007594      ,

L0007600      L0007595      , L0007596      , L0007597      , L0007598      , L0007599      ,
, L0007601      , L0007602      ,

L0007608      L0007603      , L0007604      , L0007605      , L0007606      , L0007607      ,
, L0007609      , L0007610
^ *** AERMOD - VERSION 22112 ***      *** C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660
S ARROWHEAD\14660 OPS\146 ***      08/15/23
*** AERMET - VERSION 16216 ***      ***
***      ***      17:18:53

```

PAGE 54

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

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

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0007616	L0007611 , L0007612 , L0007613 , L0007614 , L0007615 , L0007617 , L0007618 ,	
L0007624	L0007619 , L0007620 , L0007621 , L0007622 , L0007623 , L0007625 , L0007626 ,	
L0007632	L0007627 , L0007628 , L0007629 , L0007630 , L0007631 , L0007633 , L0007634 ,	
L0007640	L0007635 , L0007636 , L0007637 , L0007638 , L0007639 , L0007641 , L0007642 ,	
L0007648	L0007643 , L0007644 , L0007645 , L0007646 , L0007647 , L0007649 , L0007650 ,	
L0007656	L0007651 , L0007652 , L0007653 , L0007654 , L0007655 , L0007657 , L0007658 ,	
L0007664	L0007659 , L0007660 , L0007661 , L0007662 , L0007663 , L0007665 , L0007666 ,	
L0007672	L0007667 , L0007668 , L0007669 , L0007670 , L0007671 , L0007673 , L0007674 ,	
L0007680	L0007675 , L0007676 , L0007677 , L0007678 , L0007679 , L0007681 , L0007682 ,	

L0007688      L0007683      , L0007684      , L0007685      , L0007686      , L0007687      ,  
                  , L0007689      , L0007690      ,  
  
 L0007696      L0007691      , L0007692      , L0007693      , L0007694      , L0007695      ,  
                  , L0007697      , L0007698      ,  
  
 L0007704      L0007699      , L0007700      , L0007701      , L0007702      , L0007703      ,  
                  , L0007705      , L0007706      ,  
  
 L0007712      L0007707      , L0007708      , L0007709      , L0007710      , L0007711      ,  
                  , L0007713      , L0007714      ,  
  
 L0007720      L0007715      , L0007716      , L0007717      , L0007718      , L0007719      ,  
                  , L0007721      , L0007722      ,  
  
 L0007728      L0007723      , L0007724      , L0007725      , L0007726      , L0007727      ,  
                  , L0007729      , L0007730      ,  
  
 L0007736      L0007731      , L0007732      , L0007733      , L0007734      , L0007735      ,  
                  , L0007737      , L0007738      ,  
  
 L0007744      L0007739      , L0007740      , L0007741      , L0007742      , L0007743      ,  
                  , L0007745      , L0007746      ,  
  
 L0007752      L0007747      , L0007748      , L0007749      , L0007750      , L0007751      ,  
                  , L0007753      , L0007754      ,  
  
 L0007760      L0007755      , L0007756      , L0007757      , L0007758      , L0007759      ,  
                  , L0007761      , L0007762      ,  
  
 L0007768      L0007763      , L0007764      , L0007765      , L0007766      , L0007767      ,  
                  , L0007769      , L0007770      ,

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                  \*\*\*      17:18:53

PAGE 55

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

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

\*\*\*

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

L0007771      , L0007772      , L0007773      , L0007774      , L0007775      ,

L0007776 , L0007777 , L0007778 ,  
L0007784 , L0007779 , L0007780 , L0007781 , L0007782 , L0007783 ,  
L0007792 , L0007785 , L0007786 , L0007787 , L0007788 , L0007789 , L0007790 , L0007791 ,  
L0007800 , L0007793 , L0007794 , L0007795 , L0007796 , L0007797 , L0007798 , L0007799 ,  
L0007808 , L0007801 , L0007802 , L0007803 , L0007804 , L0007805 , L0007806 , L0007807 ,  
L0007816 , L0007809 , L0007810 , L0007811 , L0007812 , L0007813 , L0007814 , L0007815 ,  
L0007824 , L0007817 , L0007818 , L0007819 , L0007820 , L0007821 , L0007822 , L0007823 ,  
L0007832 , L0007825 , L0007826 , L0007827 , L0007828 , L0007829 , L0007830 , L0007831 ,  
L0007840 , L0007833 , L0007834 , L0007835 , L0007836 , L0007837 , L0007838 , L0007839 ,  
L0007848 , L0007841 , L0007842 , L0007843 , L0007844 , L0007845 , L0007846 , L0007847 ,  
L0007856 , L0007849 , L0007850 , L0007851 , L0007852 , L0007853 , L0007854 , L0007855 ,  
L0007864 , L0007857 , L0007858 , L0007859 , L0007860 , L0007861 , L0007862 , L0007863 ,  
L0007872 , L0007865 , L0007866 , L0007867 , L0007868 , L0007869 , L0007870 , L0007871 ,  
L0007880 , L0007873 , L0007874 , L0007875 , L0007876 , L0007877 , L0007878 , L0007879 ,  
L0007888 , L0007881 , L0007882 , L0007883 , L0007884 , L0007885 , L0007886 , L0007887 ,  
L0007896 , L0007889 , L0007890 , L0007891 , L0007892 , L0007893 , L0007894 , L0007895 ,  
L0007904 , L0007897 , L0007898 , L0007899 , L0007900 , L0007901 , L0007902 , L0007903 ,  
L0007904 , L0007905 , L0007906 ,

L0007912      L0007907      , L0007908      , L0007909      , L0007910      , L0007911      ,  
                  , L0007913      , L0007914      ,  
  
 L0007920      L0007915      , L0007916      , L0007917      , L0007918      , L0007919      ,  
                  , L0007921      , L0007922      ,  
  
 L0007928      L0007923      , L0007924      , L0007925      , L0007926      , L0007927      ,  
                  , L0007929      , L0007930      ,  
 ▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                  \*\*\*      17:18:53

PAGE 56

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

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

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0007936	L0007931      , L0007932      , L0007933      , L0007934      , L0007935      , , L0007937      , L0007938      ,	
L0007944	L0007939      , L0007940      , L0007941      , L0007942      , L0007943      , , L0007945      , L0007946      ,	
L0007952	L0007947      , L0007948      , L0007949      , L0007950      , L0007951      , , L0007953      , L0007954      ,	
L0007960	L0007955      , L0007956      , L0007957      , L0007958      , L0007959      , , L0007961      , L0007962      ,	
L0007968	L0007963      , L0007964      , L0007965      , L0007966      , L0007967      , , L0007969      , L0007970      ,	
L0007976	L0007971      , L0007972      , L0007973      , L0007974      , L0007975      , , L0007977      , L0007978      ,	
L0007984	L0007979      , L0007980      , L0007981      , L0007982      , L0007983      , , L0007985      , L0007986      ,	
L0007992	L0007987      , L0007988      , L0007989      , L0007990      , L0007991      , , L0007993      , L0007994      ,	
L0008000	L0007995      , L0007996      , L0007997      , L0007998      , L0007999      , , L0008001      , L0008002      ,	

L0008008      L0008003      , L0008004      , L0008005      , L0008006      , L0008007      ,  
                  , L0008009      , L0008010      ,  
  
 L0008016      L0008011      , L0008012      , L0008013      , L0008014      , L0008015      ,  
                  , L0008017      , L0008018      ,  
  
 L0008024      L0008019      , L0008020      , L0008021      , L0008022      , L0008023      ,  
                  , L0008025      , L0008026      ,  
  
 L0008032      L0008027      , L0008028      , L0008029      , L0008030      , L0008031      ,  
                  , L0008033      , L0008034      ,  
  
 L0008040      L0008035      , L0008036      , L0008037      , L0008038      , L0008039      ,  
                  , L0008041      , L0008042      ,  
  
 L0008048      L0008043      , L0008044      , L0008045      , L0008046      , L0008047      ,  
                  , L0008049      , L0008050      ,  
  
 L0008056      L0008051      , L0008052      , L0008053      , L0008054      , L0008055      ,  
                  , L0008057      , L0008058      ,  
  
 L0008064      L0008059      , L0008060      , L0008061      , L0008062      , L0008063      ,  
                  , L0008065      , L0008066      ,  
  
 L0008072      L0008067      , L0008068      , L0008069      , L0008070      , L0008071      ,  
                  , L0008073      , L0008074      ,  
  
 L0008080      L0008075      , L0008076      , L0008077      , L0008078      , L0008079      ,  
                  , L0008081      , L0008082      ,  
  
 L0008088      L0008083      , L0008084      , L0008085      , L0008086      , L0008087      ,  
                  , L0008089      , L0008090      ,

▲ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23

\*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                  \*\*\*      17:18:53

PAGE 57

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

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

\*\*\*

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

L0008091      , L0008092      , L0008093      , L0008094      , L0008095      ,



L0008096 , L0008097 , L0008098 ,  
L0008104 , L0008099 , L0008100 , L0008101 , L0008102 , L0008103 ,  
L0008112 , L0008105 , L0008106 , L0008107 , L0008108 , L0008109 , L0008110 , L0008111 ,  
L0008120 , L0008113 , L0008114 , L0008115 , L0008116 , L0008117 , L0008118 , L0008119 ,  
L0008128 , L0008123 , L0008124 , L0008125 , L0008126 , L0008127 ,  
L0008136 , L0008129 , L0008130 , L0008131 , L0008132 , L0008133 , L0008134 , L0008135 ,  
L0008144 , L0008137 , L0008138 , L0008139 , L0008140 , L0008141 , L0008142 , L0008143 ,  
L0008152 , L0008145 , L0008146 , L0008147 , L0008148 , L0008149 , L0008150 , L0008151 ,  
L0008160 , L0008153 , L0008154 , L0008155 , L0008156 , L0008157 , L0008158 , L0008159 ,  
L0008168 , L0008163 , L0008164 , L0008165 , L0008166 , L0008167 ,  
L0008176 , L0008169 , L0008170 , L0008171 , L0008172 , L0008173 , L0008174 , L0008175 ,  
L0008184 , L0008177 , L0008178 , L0008179 , L0008180 , L0008181 , L0008182 , L0008183 ,  
L0008192 , L0008185 , L0008186 , L0008187 , L0008188 , L0008189 , L0008190 , L0008191 ,  
L0008200 , L0008193 , L0008194 , L0008195 , L0008196 , L0008197 , L0008198 , L0008199 ,  
L0008208 , L0008203 , L0008204 , L0008205 , L0008206 , L0008207 ,  
L0008216 , L0008209 , L0008210 , L0008211 , L0008212 , L0008213 , L0008214 , L0008215 ,  
L0008224 , L0008217 , L0008218 , L0008219 , L0008220 , L0008221 , L0008222 , L0008223 ,  
L0008224 , L0008225 , L0008226 ,

L0008232 , L0008227 , L0008228 , L0008229 , L0008230 , L0008231 ,  
 , L0008233 , L0008234 ,  
  
 L0008240 , L0008235 , L0008236 , L0008237 , L0008238 , L0008239 ,  
 , L0008241 , L0008242 ,  
  
 L0008248 , L0008243 , L0008244 , L0008245 , L0008246 , L0008247 ,  
 , L0008249 , L0008250 ,  
 ▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\* 08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 17:18:53

PAGE 58

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

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

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs				
-----	-----	-----				
L0008256	L0008251 , L0008252 , L0008253 , L0008254 , L0008255 , , L0008257 , L0008258 ,					
L0008264	L0008259 , L0008260 , L0008261 , L0008262 , L0008263 , , L0008265 , L0008266 ,					
L0008272	L0008267 , L0008268 , L0008269 , L0008270 , L0008271 , , L0008273 , L0008274 ,					
L0008280	L0008275 , L0008276 , L0008277 , L0008278 , L0008279 , , L0008281 , L0008282 ,					
L0008288	L0008283 , L0008284 , L0008285 , L0008286 , L0008287 , , L0008289 , L0008290 ,					
L0008296	L0008291 , L0008292 , L0008293 , L0008294 , L0008295 , , L0008297 , L0008298 ,					
L0008304	L0008299 , L0008300 , L0008301 , L0008302 , L0008303 , , L0008305 , L0008306 ,					
L0008312	L0008307 , L0008308 , L0008309 , L0008310 , L0008311 , , L0008313 , L0008314 ,					
L0008320	L0008315 , L0008316 , L0008317 , L0008318 , L0008319 , , L0008321 , L0008322 ,					

L0008328 L0008323 , L0008324 , L0008325 , L0008326 , L0008327 ,  
 , L0008329 , L0008330 , ,

L0008336 L0008331 , L0008332 , L0008333 , L0008334 , L0008335 ,  
 , L0008337 , L0008338 , ,

L0008344 L0008339 , L0008340 , L0008341 , L0008342 , L0008343 ,  
 , L0008345 , L0008346 , ,

L0008352 L0008347 , L0008348 , L0008349 , L0008350 , L0008351 ,  
 , L0008353 , L0008354 , ,

L0008360 L0008355 , L0008356 , L0008357 , L0008358 , L0008359 ,  
 , L0008361 , L0008362 , ,

L0008368 L0008363 , L0008364 , L0008365 , L0008366 , L0008367 ,  
 , L0008369 , L0008370 , ,

L0008376 L0008371 , L0008372 , L0008373 , L0008374 , L0008375 ,  
 , L0008377 , L0008378 , ,

L0008384 L0008379 , L0008380 , L0008381 , L0008382 , L0008383 ,  
 , L0008385 , L0008386 , ,

L0008392 L0008387 , L0008388 , L0008389 , L0008390 , L0008391 ,  
 , L0008393 , L0008394 , ,

L0008400 L0008395 , L0008396 , L0008397 , L0008398 , L0008399 ,  
 , L0008401 , L0008402 , ,

L0008408 L0008403 , L0008404 , L0008405 , L0008406 , L0008407 ,  
 , L0008409 , L0008410 , ,

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\* 08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 17:18:53

PAGE 59

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

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

\*\*\*

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

L0008411 , L0008412 , L0008413 , L0008414 , L0008415 ,

L0008416 , L0008417 , L0008418 ,  
L0008419 , L0008420 , L0008421 , L0008422 , L0008423 ,  
L0008424 , L0008425 , L0008426 ,  
L0008427 , L0008428 , L0008429 , L0008430 , L0008431 ,  
L0008432 , L0008433 , L0008434 ,  
L0008435 , L0008436 , L0008437 , L0008438 , L0008439 ,  
L0008440 , L0008441 , L0008442 ,  
L0008443 , L0008444 , L0008445 , L0008446 , L0008447 ,  
L0008448 , L0008449 , L0008450 ,  
L0008451 , L0008452 , L0008453 , L0008454 , L0008455 ,  
L0008456 , L0008457 , L0008458 ,  
L0008459 , L0008460 , L0008461 , L0008462 , L0008463 ,  
L0008464 , L0008465 , L0008466 ,  
L0008467 , L0008468 , L0008469 , L0008470 , L0008471 ,  
L0008472 , L0008473 , L0008474 ,  
L0008475 , L0008476 , L0008477 , L0008478 , L0008479 ,  
L0008480 , L0008481 , L0008482 ,  
L0008483 , L0008484 , L0008485 , L0008486 , L0008487 ,  
L0008488 , L0008489 , L0008490 ,  
L0008491 , L0008492 , L0008493 , L0008494 , L0008495 ,  
L0008496 , L0008497 , L0008498 ,  
L0008499 , L0008500 , L0008501 , L0008502 , L0008503 ,  
L0008504 , L0008505 , L0008506 ,  
L0008507 , L0008508 , L0008509 , L0008510 , L0008511 ,  
L0008512 , L0008513 , L0008514 ,  
L0008515 , L0008516 , L0008517 , L0008518 , L0008519 ,  
L0008520 , L0008521 , L0008522 ,  
L0008523 , L0008524 , L0008525 , L0008526 , L0008527 ,  
L0008528 , L0008529 , L0008530 ,  
L0008531 , L0008532 , L0008533 , L0008534 , L0008535 ,  
L0008536 , L0008537 , L0008538 ,  
L0008539 , L0008540 , L0008541 , L0008542 , L0008543 ,  
L0008544 , L0008545 , L0008546 ,

```

L0008552      L0008547      , L0008548      , L0008549      , L0008550      , L0008551      ,
, L0008553      , L0008554      ,

L0008560      L0008555      , L0008556      , L0008557      , L0008558      , L0008559      ,
, L0008561      , L0008562      ,

L0008568      L0008563      , L0008564      , L0008565      , L0008566      , L0008567      ,
, L0008569      , L0008570      ,
^ *** AERMOD - VERSION 22112 *** *** C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660
S ARROWHEAD\14660 OPS\146 *** 08/15/23
*** AERMET - VERSION 16216 *** ***
*** 17:18:53

```

PAGE 60

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

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

\*\*\*

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0008576	L0008571 , L0008572 , L0008573 , L0008574 , L0008575 , L0008577 , L0008578 ,	
L0008584	L0008579 , L0008580 , L0008581 , L0008582 , L0008583 , L0008585 , L0008586 ,	
L0008592	L0008587 , L0008588 , L0008589 , L0008590 , L0008591 , L0008593 , L0008594 ,	
L0008600	L0008595 , L0008596 , L0008597 , L0008598 , L0008599 , L0008601 , L0008602 ,	
L0008608	L0008603 , L0008604 , L0008605 , L0008606 , L0008607 , L0008609 , L0008610 ,	
L0008616	L0008611 , L0008612 , L0008613 , L0008614 , L0008615 , L0008617 , L0008618 ,	
L0008624	L0008619 , L0008620 , L0008621 , L0008622 , L0008623 , L0008625 , L0008626 ,	
L0008632	L0008627 , L0008628 , L0008629 , L0008630 , L0008631 , L0008633 , L0008634 ,	
L0008640	L0008635 , L0008636 , L0008637 , L0008638 , L0008639 , L0008641 , L0008642 ,	

L0008648      L0008643      , L0008644      , L0008645      , L0008646      , L0008647      ,  
                  , L0008649      , L0008650      ,  
  
 L0008656      L0008651      , L0008652      , L0008653      , L0008654      , L0008655      ,  
                  , L0008657      , L0008658      ,  
  
 L0008664      L0008659      , L0008660      , L0008661      , L0008662      , L0008663      ,  
                  , L0008665      , L0008666      ,  
  
 L0008672      L0008667      , L0008668      , L0008669      , L0008670      , L0008671      ,  
                  , L0008673      , L0008674      ,  
  
 L0008680      L0008675      , L0008676      , L0008677      , L0008678      , L0008679      ,  
                  , L0008681      , L0008682      ,  
  
 L0008688      L0008683      , L0008684      , L0008685      , L0008686      , L0008687      ,  
                  , L0008689      , L0008690      ,  
  
 L0008696      L0008691      , L0008692      , L0008693      , L0008694      , L0008695      ,  
                  , L0008697      , L0008698      ,  
  
 L0008704      L0008699      , L0008700      , L0008701      , L0008702      , L0008703      ,  
                  , L0008705      , L0008706      ,  
  
 L0008712      L0008707      , L0008708      , L0008709      , L0008710      , L0008711      ,  
                  , L0008713      , L0008714      ,  
  
 L0008720      L0008715      , L0008716      , L0008717      , L0008718      , L0008719      ,  
                  , L0008721      , L0008722      ,  
  
 L0008728      L0008723      , L0008724      , L0008725      , L0008726      , L0008727      ,  
                  , L0008729      , L0008730      ,

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
                  \*\*\*      17:18:53

PAGE 61

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

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

\*\*\*

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

L0008731      , L0008732      , L0008733      , L0008734      , L0008735      ,

L0008736 , L0008737 , L0008738 ,  
 L0008744 , L0008739 , L0008740 , L0008741 , L0008742 , L0008743 ,  
 L0008752 , L0008745 , L0008746 , L0008747 , L0008748 , L0008749 , L0008750 , L0008751 ,  
 L0008760 , L0008753 , L0008754 , L0008755 , L0008756 , L0008757 , L0008758 , L0008759 ,  
 L0008768 , L0008761 , L0008762 , L0008763 , L0008764 , L0008765 , L0008766 , L0008767 ,  
 L0008776 , L0008769 , L0008770 , L0008771 , L0008772 , L0008773 , L0008774 , L0008775 ,  
 L0008784 , L0008777 , L0008778 , L0008779 , L0008780 , L0008781 , L0008782 , L0008783 ,  
 L0008792 , L0008785 , L0008786 , L0008787 , L0008788 , L0008789 , L0008790 , L0008791 ,  
 L0008800 , L0008793 , L0008794 , L0008795 , L0008796 , L0008797 , L0008798 , L0008799 ,  
 L0008808 , L0008801 , L0008802 , L0008803 , L0008804 , L0008805 , L0008806 , L0008807 ,  
 L0008816 , L0008809 , L0008810 , L0008811 , L0008812 , L0008813 , L0008814 , L0008815 ,  
 L0008824 , L0008817 , L0008818 , L0008819 , L0008820 , L0008821 , L0008822 , L0008823 ,  
 L0008832 , L0008825 , L0008826 , L0008827 , L0008828 , L0008829 , L0008830 , L0008831 ,  
 L0008840 , L0008833 , L0008834 , L0008835 , L0008836 , L0008837 , L0008838 , L0008839 ,  
 L0008848 , L0008841 , L0008842 , L0008843 , L0008844 , L0008845 , L0008846 , L0008847 ,  
 L0008856 , L0008849 , L0008850 , L0008851 , L0008852 , L0008853 , L0008854 , L0008855 ,  
 L0008859 , L0008860 , L0008861 , L0008862 , L0008863 ,

\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 17:18:53

PAGE 62

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

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

( 473663.7, 3773394.1, 311.0, 311.0, 0.0);	( 473682.3,
3773394.3, 311.0, 311.0, 0.0);	
( 473636.7, 3773420.7, 311.0, 311.0, 0.0);	( 473619.7,
3773421.1, 311.0, 311.0, 0.0);	
( 473597.7, 3773420.9, 310.3, 310.3, 0.0);	( 473581.2,
3773421.1, 310.0, 310.0, 0.0);	
( 473715.2, 3773322.1, 310.9, 310.9, 0.0);	( 473714.4,
3773353.7, 311.0, 311.0, 0.0);	
( 473478.0, 3773391.7, 310.0, 310.0, 0.0);	( 473444.9,
3773391.0, 310.0, 310.0, 0.0);	
( 473728.5, 3773394.8, 311.0, 311.0, 0.0);	( 473718.6,
3773398.9, 311.0, 311.0, 0.0);	
( 473744.7, 3773399.4, 311.0, 311.0, 0.0);	( 473758.6,
3773395.3, 311.0, 311.0, 0.0);	
( 473722.2, 3773215.0, 310.0, 310.0, 0.0);	( 473737.2,
3773228.3, 310.0, 310.0, 0.0);	
( 473515.0, 3773246.4, 309.0, 309.0, 0.0);	( 473486.9,
3773246.2, 309.0, 309.0, 0.0);	
( 473448.2, 3773246.7, 309.0, 309.0, 0.0);	( 473575.3,
3773218.8, 309.2, 309.2, 0.0);	
( 473377.2, 3773201.8, 309.0, 309.0, 0.0);	( 473262.1,
3773247.4, 308.1, 308.1, 0.0);	
( 473262.0, 3773210.6, 308.0, 308.0, 0.0);	( 473616.2,
3773146.9, 309.0, 309.0, 0.0);	
( 474044.8, 3773332.1, 312.0, 312.0, 0.0);	( 474044.4,
3773281.8, 312.0, 312.0, 0.0);	
( 474039.6, 3773269.7, 312.0, 312.0, 0.0);	( 474044.8,
3773239.9, 312.0, 312.0, 0.0);	
( 474039.1, 3773212.1, 311.2, 311.2, 0.0);	( 473829.0,
3773235.0, 310.9, 310.9, 0.0);	
( 473875.3, 3773212.8, 311.0, 311.0, 0.0);	( 473716.9,
3773177.0, 310.0, 310.0, 0.0);	
( 473786.5, 3773130.0, 310.0, 310.0, 0.0);	( 473356.3,
3773392.7, 309.2, 309.2, 0.0);	
( 473266.0, 3773403.3, 308.2, 308.2, 0.0);	( 473265.5,
3773435.0, 307.6, 307.6, 0.0);	
( 473265.1, 3773318.9, 308.2, 308.2, 0.0);	( 473270.6,
3773601.2, 310.2, 310.2, 0.0);	
( 473200.3, 3773601.7, 312.0, 312.0, 0.0);	( 473254.8,
3773565.2, 310.2, 310.2, 0.0);	







12	01	01	1	14	194.0	0.294	2.109	0.005	1663.	382.	-11.2	0.32	3.22
0.24	1.80	277.			9.1	301.0	5.5						
12	01	01	1	15	126.3	0.378	1.872	0.005	1784.	557.	-36.5	0.32	3.22
0.27	2.70	243.			9.1	301.0	5.5						
12	01	01	1	16	39.5	0.199	1.278	0.005	1817.	240.	-17.2	0.32	3.22
0.36	1.30	274.			9.1	300.1	5.5						
12	01	01	1	17	-4.7	0.101	-9.000	-9.000	-999.	85.	19.0	0.32	3.22
0.65	0.90	252.			9.1	298.2	5.5						
12	01	01	1	18	-4.9	0.102	-9.000	-9.000	-999.	78.	18.2	0.32	3.22
1.00	0.90	116.			9.1	296.4	5.5						
12	01	01	1	19	-18.8	0.204	-9.000	-9.000	-999.	220.	45.6	0.15	3.22
1.00	2.27	79.			10.1	292.2	5.5						
12	01	01	1	20	-5.0	0.102	-9.000	-9.000	-999.	83.	18.1	0.32	3.22
1.00	0.90	95.			9.1	290.2	5.5						
12	01	01	1	21	-5.0	0.102	-9.000	-9.000	-999.	78.	18.0	0.32	3.22
1.00	0.90	99.			9.1	287.8	5.5						
12	01	01	1	22	-5.0	0.102	-9.000	-9.000	-999.	78.	18.0	0.32	3.22
1.00	0.90	110.			9.1	287.6	5.5						
12	01	01	1	23	-10.6	0.149	-9.000	-9.000	-999.	138.	26.8	0.32	3.22
1.00	1.30	89.			9.1	287.2	5.5						
12	01	01	1	24	-5.0	0.102	-9.000	-9.000	-999.	78.	17.9	0.32	3.22
1.00	0.90	105.			9.1	285.9	5.5						

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	5.5	0	-999.	-99.00	285.5	99.0	-99.00	-99.00
12	01	01	01	9.1	1	110.	1.30	-999.0	99.0	-99.00	-99.00

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

^ \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\*      08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*  
    \*\*\*      17:18:53

PAGE 65

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

\*\*\* THE ANNUAL AVERAGE CONCENTRATION      VALUES AVERAGED OVER    5  
 YEARS FOR SOURCE GROUP: ALL      \*\*\*  
    INCLUDING SOURCE(S):      L0001014      ,      L0001015  
    ,      L0001016      ,      L0001017      ,      L0001018      ,  
         L0001019      ,      L0001020      ,      L0000718      ,      L0000719      ,      L0000720  
    ,      L0000721      ,      L0000722      ,      L0000723      ,  
         L0000724      ,      L0000725      ,      L0000948      ,      L0000949      ,      L0000950  
    ,      L0000951      ,      L0000952      ,      L0000953      ,  
         L0000954      ,      L0000955      ,      L0000956      ,      L0000957      ,      L0000958  
    ,      L0000959      ,      L0000960      ,      . . .      ,

\*\*\* 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		
473663.68	3773394.12	0.00086	473682.32
3773394.33	0.00074		
473636.66	3773420.72	0.00076	473619.70
3773421.14	0.00082		
473597.71	3773420.93	0.00090	473581.16
3773421.14	0.00093		
473715.20	3773322.07	0.00086	473714.37
3773353.70	0.00077		
473478.05	3773391.74	0.00159	473444.93
3773391.03	0.00159		
473728.53	3773394.76	0.00052	473718.56
3773398.86	0.00054		
473744.73	3773399.39	0.00045	473758.62
3773395.30	0.00042		
473722.20	3773215.01	0.00066	473737.23
3773228.32	0.00061		
473514.95	3773246.43	0.00264	473486.86
3773246.18	0.00257		
473448.17	3773246.68	0.00296	473575.32
3773218.83	0.00174		
473377.20	3773201.83	0.00136	473262.12
3773247.42	0.00128		
473262.00	3773210.56	0.00118	473616.25
3773146.94	0.00067		
474044.81	3773332.10	0.00013	474044.39
3773281.83	0.00014		
474039.57	3773269.68	0.00014	474044.81
3773239.94	0.00013		
474039.15	3773212.08	0.00014	473828.98
3773235.04	0.00032		
473875.29	3773212.79	0.00025	473716.93
3773176.96	0.00053		
473786.47	3773130.03	0.00030	473356.27
3773392.67	0.00132		
473265.99	3773403.35	0.00067	473265.46
3773435.04	0.00051		
473265.10	3773318.95	0.00136	473270.62
3773601.17	0.00022		
473200.29	3773601.70	0.00019	473254.77
3773565.20	0.00024		
473167.88	3773567.34	0.00019	473148.65

3773567.52 0.00018  
 473107.35 3773603.84 0.00015 473101.47  
 3773566.98 0.00016  
 473595.33 3772510.49 0.00013 473357.20  
 3773202.18 0.00130

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
 S ARROWHEAD\14660 OPS\146 \*\*\* 08/15/23  
 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
 \*\*\* 17:18:53

PAGE 66

\*\*\* MODELOPTs: RegDEFAULT 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	0.00296 AT (	473448.17, 3773246.68,
309.00,	309.00, 0.00) DC		
	2ND HIGHEST VALUE IS	0.00264 AT (	473514.95, 3773246.43,
309.00,	309.00, 0.00) DC		
	3RD HIGHEST VALUE IS	0.00257 AT (	473486.86, 3773246.18,
309.00,	309.00, 0.00) DC		
	4TH HIGHEST VALUE IS	0.00174 AT (	473575.32, 3773218.83,
309.22,	309.22, 0.00) DC		
	5TH HIGHEST VALUE IS	0.00159 AT (	473444.93, 3773391.03,
310.00,	310.00, 0.00) DC		
	6TH HIGHEST VALUE IS	0.00159 AT (	473478.05, 3773391.74,
310.00,	310.00, 0.00) DC		
	7TH HIGHEST VALUE IS	0.00136 AT (	473265.10, 3773318.95,
308.18,	308.18, 0.00) DC		
	8TH HIGHEST VALUE IS	0.00136 AT (	473377.20, 3773201.83,
309.00,	309.00, 0.00) DC		
	9TH HIGHEST VALUE IS	0.00132 AT (	473356.27, 3773392.67,
309.22,	309.22, 0.00) DC		
	10TH HIGHEST VALUE IS	0.00130 AT (	473357.20, 3773202.18,
309.00,	309.00, 0.00) DC		

\*\*\* RECEPTOR TYPES: GC = GRIDCART

GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

▲ \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\USERS\MICHAEL TIROHN\DESKTOP\HRAS\14660  
S ARROWHEAD\14660 OPS\146 \*\*\* 08/15/23  
\*\*\* AERMET - VERSION 16216 \*\*\* \*\*\*  
\*\*\* 17:18:53

PAGE 67

\*\*\* 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 2 Warning Message(s)  
A Total of 388 Informational Message(s)  
  
A Total of 43848 Hours Were Processed  
  
A Total of 191 Calm Hours Identified  
  
A Total of 197 Missing Hours Identified ( 0.45 Percent)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186 3465 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used  
0.50  
ME W187 3465 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

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

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

*This page intentionally left blank*



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)
		0.03874	3.87E-05		1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.8E-05	3.2E-06	5.0E+00	1.4E-03	7.7E-03					
TOTAL					3.2E-06				7.7E-03 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00									

3.23

\*\* 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)	240
exposure duration (years)	0.91
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)	
		0.00086	8.60E-07		1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	4.7E-07	2.0E-07	5.0E+00	1.4E-03	1.7E-04						
<b>TOTAL</b>								2.0E-07			1.7E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.20

\*\* 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) <sup>-1</sup> ( 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 )	
		0.00086			8.60E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.2E-07	3.3E-08	5.0E+00	1.4E-03	1.7E-04					
<b>TOTAL</b>								3.3E-08			1.7E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.03

\*\* 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)            3.46**

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)
	0.00136	1.36E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	4.7E-07	1.5E-08	5.0E+00	1.4E-03	2.7E-04							
TOTAL					1.5E-08				2.7E-04		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

\*\* Key to Toxicological Endpoints

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)
		0.00136	1.36E-06		1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.4E-06	3.6E-07	5.0E+00	1.4E-03	2.7E-04					
TOTAL					3.6E-07				2.7E-04		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

\*\* Key to Toxicological Endpoints

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)
		0.00136	1.36E-06		1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	7.5E-07	3.4E-07	5.0E+00	1.4E-03	2.7E-04					
TOTAL					3.4E-07				2.7E-04		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

\*\* Key to Toxicological Endpoints

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 )	
		0.00136			1.36E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.4E-07	5.2E-08	5.0E+00	1.4E-03	2.7E-04					
<b>TOTAL</b>					5.2E-08				2.7E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	

0.05

\*\* 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)            0.77**

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
		(ug/m <sup>3</sup> )	(mg/m <sup>3</sup> )			URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
		(b)	(c)			(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	2.96E-03	2.96E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	4.7E-07	1.7E-07	5.0E+00	1.4E-03	5.9E-04							
TOTAL									1.7E-07		5.9E-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
									0.17										

\*\* Key to Toxicological Endpoints

Note: Exposure factors used to calculate contaminant intake

RESP	Respiratory System	exposure frequency (days/year)	250
CNS/PNS	Central/Peripheral Nervous System	exposure duration (years)	25
CV/BL	Cardiovascular/Blood System	inhalation rate (L/kg-day)	230
IMMUN	Immune System	inhalation absorption factor	1
KIDN	Kidney	averaging time (years)	70
GI/LV	Gastrointestinal System/Liver		
REPRO	Reproductive System (e.g. teratogenic and developmental effects)		
EYES	Eye irritation and/or other effects		



	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
		(ug/m <sup>3</sup> )	(mg/m <sup>3</sup> )			URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
		(b)	(c)			(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	1.40E-04	1.40E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.9E-08	1.6E-08	5.0E+00	1.4E-03	2.8E-05							
TOTAL									1.6E-08 0.02		2.8E-05	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	

\*\* Key to Toxicological Endpoints

Note: Exposure factors used to calculate contaminant intake

RESP	Respiratory System	exposure frequency (days/year)	180
CNS/PNS	Central/Peripheral Nervous System	exposure duration (years)	9
CV/BL	Cardiovascular/Blood System	inhalation rate (L/kg-day)	572
IMMUN	Immune System	inhalation absorption factor	1
KIDN	Kidney	averaging time (years)	70
GI/LV	Gastrointestinal System/Liver	age sensitivity factor (ages 4-13)	3
REPRO	Reproductive System (e.g. teratogenic and developmental effects)		
EYES	Eye irritation and/or other effects		