

# Appendix C-2

---

## Health Risk Assessment Technical Report





---

# **West Campus Upper Plateau**

## **MOBILE SOURCE HEALTH RISK ASSESSMENT**

### **MARCH JOINT POWER AUTHORITY (MARCH JPA)**

PREPARED BY:

Haseeb Qureshi  
hqureshi@urbanxroads.com

Michael Tirohn  
mtirohn@urbanxroads.com

DECEMBER 15, 2022



## **TABLE OF CONTENTS**

<b>TABLE OF CONTENTS</b> .....	<b>I</b>
<b>APPENDICES</b> .....	<b>I</b>
<b>LIST OF EXHIBITS</b> .....	<b>II</b>
<b>LIST OF TABLES</b> .....	<b>II</b>
<b>LIST OF ABBREVIATED TERMS</b> .....	<b>III</b>
<b>EXECUTIVE SUMMARY</b> .....	<b>1</b>
<b>1 INTRODUCTION</b> .....	<b>6</b>
1.1 Site Location.....	7
1.2 Project Description.....	7
<b>2 BACKGROUND</b> .....	<b>11</b>
2.1 Background on Recommended Methodology .....	11
2.2 Construction Health Risk Assessment.....	11
2.3 Operational Health Risk Assessment .....	15
2.4 Exposure Quantification .....	20
2.5 Carcinogenic Chemical Risk.....	23
2.6 Non-carcinogenic Exposures.....	24
2.7 Potential Project-Related DPM Source Cancer and Non-Cancer Risks.....	24
<b>3 REFERENCES</b> .....	<b>29</b>
<b>4 CERTIFICATIONS</b> .....	<b>31</b>

## **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 .....8  
EXHIBIT 1-B: SITE PLAN .....9  
EXHIBIT 2-A: MODELED CONSTRUCTION EMISSION SOURCES .....14  
EXHIBIT 2-B: MODELED ON-SITE EMISSION SOURCES .....17  
EXHIBIT 2-C: MODELED OFF-SITE EMISSION SOURCES .....18  
EXHIBIT 2-D: RECEPTOR LOCATIONS .....27

**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.....4  
TABLE ES-3: SUMMARY OF CONSTRUCTION AND OPERATIONAL CANCER AND NON-CANCER RISKS ....5  
TABLE 2-1: CONSTRUCTION DURATION.....12  
TABLE 2-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS .....12  
TABLE 2-3: 2028 WEIGHTED AVERAGE DPM EMISSIONS FACTORS .....16  
TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (2028 ANALYSIS YEAR) .....19  
TABLE 2-5: AERMOD MODEL PARAMETERS.....21  
TABLE 2-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (CONSTRUCTION ACTIVITY).....22  
TABLE 2-7: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (30 YEAR RESIDENTIAL).....22  
TABLE 2-8: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (25 YEAR WORKER).....22  
TABLE 2-9: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (9 YEAR SCHOOL CHILD).....22

## **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
MEISC	Maximally Exposed Individual School Child
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	West Campus Upper Plateau
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
TRU	Transport Refrigeration Unit
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, 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 R11 which is located approximately 304 feet north of the mixed-use portion of the Project site at an existing residence located at 971 Saltcoats Drive. R11 is placed in the private outdoor living areas (backyard) facing the Project site. At the maximally exposed individual receptor (MEIR), the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 0.59 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.

### OPERATIONAL IMPACTS

#### Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R12 which is located approximately 859 feet south of the business park portion of the Project site at an existing residence located at 20620 Iris Canyon Road. R12 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 1.47 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance from the Project site than the MEIR analyzed herein, and TACs generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences. The nearest modeled receptors are illustrated on Exhibit 2-D.

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

The worker receptor land use with the greatest potential exposure to Project operational-source DPM emissions is Location R13, which represents the potential worker receptor located approximately 4,113 feet east of an industrial portion of the Project site. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact is 0.60 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyzed herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The nearest modeled receptors are illustrated on Exhibit 2-D.

School Child Exposure Scenario:

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

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

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

The nearest school is the preschool located at Grove Community Church (Location R8), located approximately 794 feet southwest 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 0.21 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.

The next nearest school is Benjamin Franklin Elementary School, which is located approximately 2,320 feet southwest of the Project site. Because there is no reasonable potential that TAC

---

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.

emissions would cause significant health impacts at distances of more than ¼ mile from the air pollution source, there would be no significant impacts that would occur to any schools in the vicinity of the Project.

**CONSTRUCTION AND OPERATIONAL IMPACTS**

The land use with the greatest potential increased cancer risk due to exposure to Project construction-source and operational-source DPM emissions is Location R11. At this location, the maximum incremental cancer risk attributable to Project construction and operational DPM source emissions is estimated at 1.03 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.

It should be noted that the combined construction and operational risk is lower than the operational risk due to the assumption the conservative use of exposure parameters for the 0 to 2 age group during construction activities and the use of exposure parameters for the 2 to 16 and 16 to 30 age groups during operation.

**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
4.35 Year Exposure	Maximum Exposed Sensitive Receptor	0.59	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**

<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	1.47	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.60	10	NO
9 Year Exposure	Maximum Exposed Individual School Child	0.21	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
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	1.03	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 a HRA. This HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (2) and is comprised of all relevant and appropriate procedures presented by the United States Environmental Protection Agency (U.S. EPA), California EPA and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to TAC exposure from a project such as the proposed Project. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulatively considerable impact.

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

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

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

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

## 1.1 SITE LOCATION

The Project site is located on either side of Barton Street and Cactus Avenue in the jurisdiction of the March JPA and unincorporated Riverside County, as shown on Exhibit 1-A. Interstate 215 (I-215) is located approximately 2.5 miles east of the Project site via Cactus Avenue, Alessandro Boulevard, and Van Buren Boulevard.

## 1.2 PROJECT DESCRIPTION

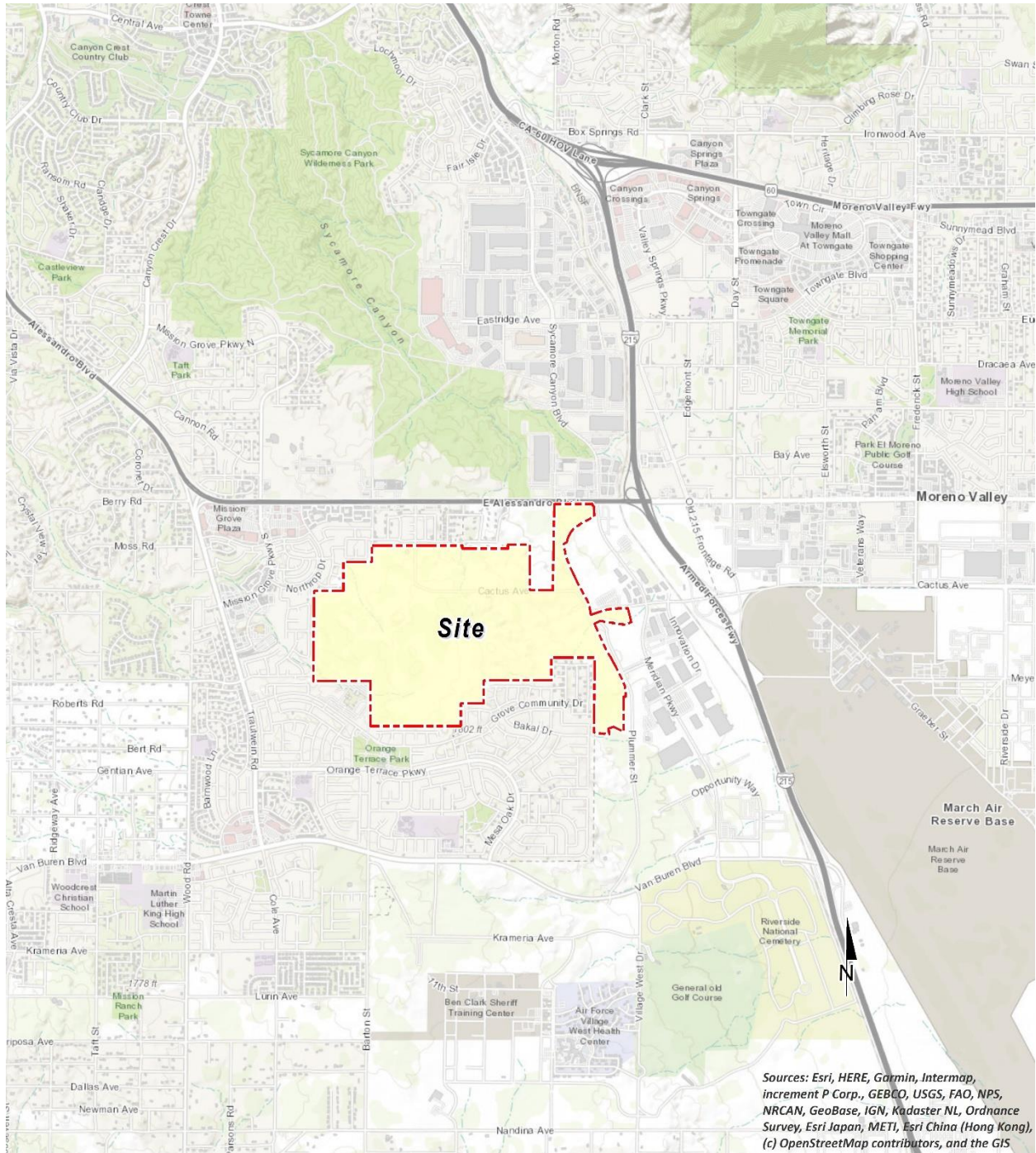
The proposed Project (as shown on Exhibit 1-B) has been analyzed consisting of the following uses:

- Building B – 1,250,000 square feet (SF) of high-cube fulfillment center warehouse use
- Building C – 587,000 SF of high-cube fulfillment center warehouse use
- Industrial Area – 725,561 SF of high-cube fulfillment center warehouse use
- Industrial Area – 500,000 SF of high-cube cold storage warehouse use
- Business Park Area – 1,280,403 SF of business park use
- Mixed Use Area – 160,921 SF of retail use (25%)
- Mixed Use Area – 482,765 SF of business park use (75%)
- 42.20 Acre Active Park (with sports fields)
- 18.08 Acres of Public Park
- The proposed Project also includes approximately 445-acre Conservation Area

According to the *West Campus Upper Plateau Traffic Analysis*, the proposed Project is anticipated to generate a total of 35,314 two-way vehicle trips per day including 33,260 two-way passenger vehicle trips and 2,054 two-way truck trips per day (in actual vehicles) (4).

The existing March JPA General Plan land use designation for the site is Business Park and Park/Recreation/Open Space. A preliminary land use plan for the proposed Project is shown on Exhibit 1-B. For the purposes of this analysis, it is assumed that the Project would be developed in two phases with an anticipated Opening Year of 2028.

EXHIBIT 1-A: LOCATION MAP







*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> The California Air Resources Board (CARB's) anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis conservatively overestimates DPM emissions from idling by a factor of 3.

### 2.2 CONSTRUCTION HEALTH RISK ASSESSMENT

#### 2.2.1 EMISSIONS CALCULATIONS

The emissions calculations for the construction HRA component are based on an assumed mix of construction equipment and hauling activity as presented in the *West Campus Upper Plateau Air Quality Impact Analysis* ("technical study") prepared by Urban Crossroads, Inc. (5)

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

As discussed in the technical study, the Project would result in approximately 1,134 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**

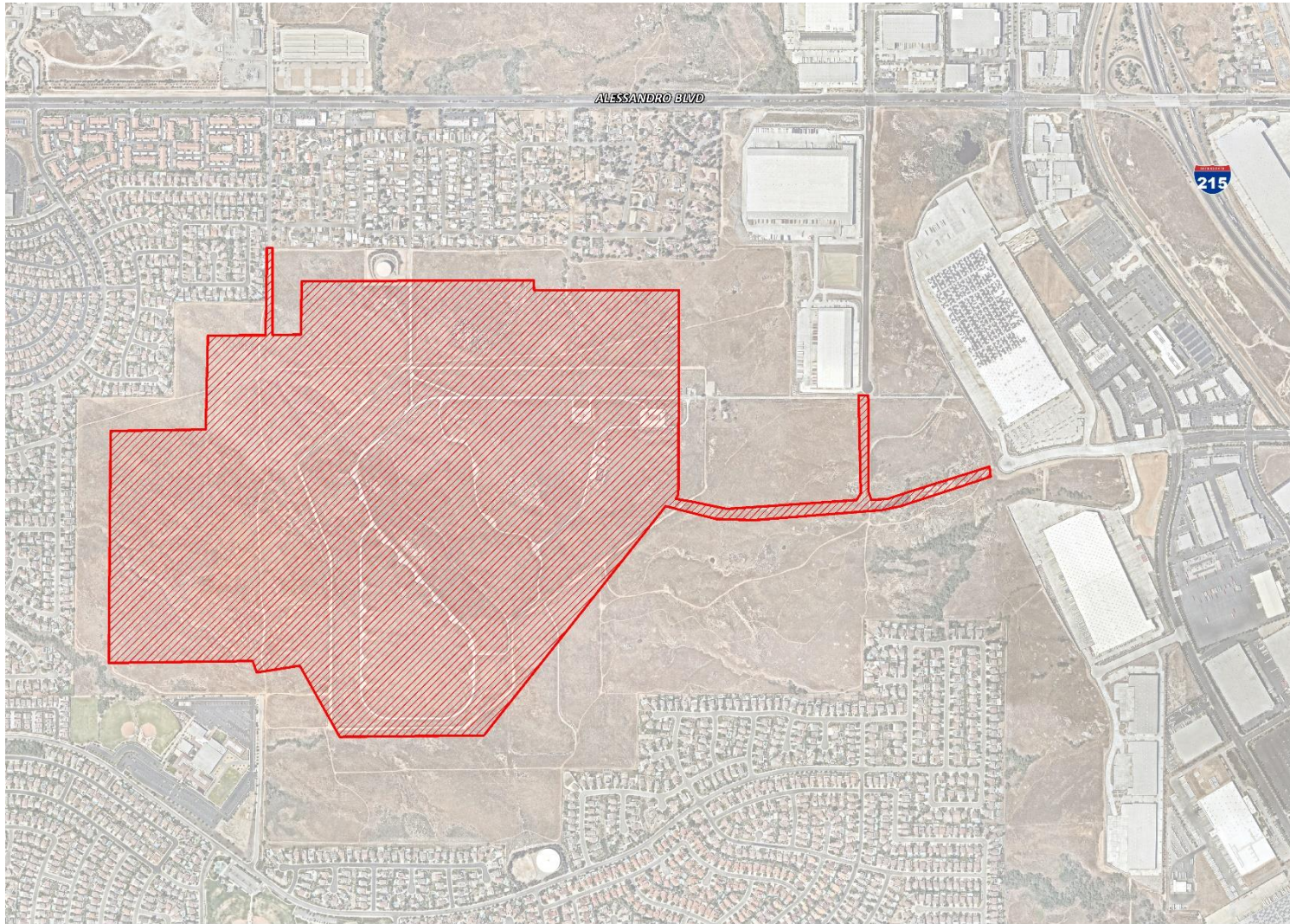
Phase	Construction Activity	Start Date	End Date	Days
Phase 1	Mass Grading	6/1/2023	3/5/2024	199
	Blasting & Rock Handling	6/1/2023	3/5/2024	199
Phase 2	Remedial Grading	3/6/2024	6/6/2024	67
	Building Construction (Including Off-site)	6/7/2024	10/15/2026	615
	Architectural Coating	8/1/2026	10/5/2027	307
	Paving	8/9/2027	10/5/2027	42

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

Phase	Construction Activity	Equipment	Amount	Hours Per Day	Horsepower	Load Factor
Phase 1	Mass Grading	Rubber Tired Dozers	8	8	670	0.40
		Scrapers	16	8	570	0.48
		Rubber Tired Dozers	1	8	425	0.40
		Off-Highway Trucks	3	8	500	0.38
		Tractors/Loaders/Backhoes	1	8	425	0.37
		Excavators	4	8	400	0.38
	Blasting & Rock Handling	Rubber Tired Dozers	2	8	670	0.40
		Tractors/Loaders/Backhoes	2	8	400	0.37
		Off-Highway Trucks	3	8	425	0.38
		Rubber Tired Dozers	1	8	600	0.40
Rubber Tired Dozers		2	8	670	0.40	
Phase 2	Remedial Grading	Rubber Tired Dozers	4	8	670	0.40
		Scrapers	8	8	570	0.48
		Rubber Tired Dozers	1	8	425	0.40
		Off-Highway Trucks	3	8	500	0.38
		Tractors/Loaders/Backhoes	1	8	425	0.37
		Excavators	2	8	400	0.38
	Building Construction	Cranes	2	8	231	0.29
		Crawler Tractors	3	8	212	0.43
		Forklifts	6	8	89	0.20
		Generator Sets	2	8	84	0.74

Phase	Construction Activity	Equipment	Amount	Hours Per Day	Horsepower	Load Factor
		Welders	2	8	46	0.45
	Architectural Coating	Air Compressors	2	8	78	0.48
	Paving	Pavers	4	8	130	0.42
		Paving Equipment	4	8	132	0.36
		Rollers	4	8	80	0.38

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



## 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 (6). 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 Riverside County jurisdiction. The EMFAC Mode generates emission factors in terms of grams of pollutant emitted per vehicle activity and can calculate a matrix of emission factors at specific values of temperature, relative humidity, and vehicle speed. The model was run for speeds traveled in the vicinity of the Project. The vehicle travel speeds for each segment modeled are summarized below.

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

Calculated emission factors are shown at Table 2-3. As a conservative measure, a 2028 EMFAC 2021 run was conducted and a static 2028 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2028 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 2028. Additionally, based on EMFAC 2021, Light-Heavy-Duty Trucks are comprised of 59.8% diesel, Medium-Heavy-Duty Trucks are comprised of 92.3% diesel, and Heavy-Heavy-Duty Trucks are comprised of 94.8% diesel. Trucks fueled by diesel are accounted for by these percentages accordingly in the emissions factor generation. Appendix 2.2 includes additional details on the emissions estimates from EMFAC.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM<sub>10</sub> emission factor (g/VMT) from EMFAC over the total distance traveled. The following equation was used to estimate off-site emissions for each of the different vehicle classes comprising the mobile sources (7):

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

Where:

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

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

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

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM<sub>10</sub> emission factor (g/VMT) from EMFAC and the total vehicle trip number over the length of the driving path using the same formula presented above for on-site emissions. In addition, on-site vehicle idling exhaust emissions were calculated by applying the idle exhaust PM<sub>10</sub> emission factor (g/idle-hr) from EMFAC and the total truck trip over the total assumed idle time (15 minutes). The following equation was used to estimate the on-site vehicle idling emissions for each of the different vehicle classes (7):

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

Where:

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

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

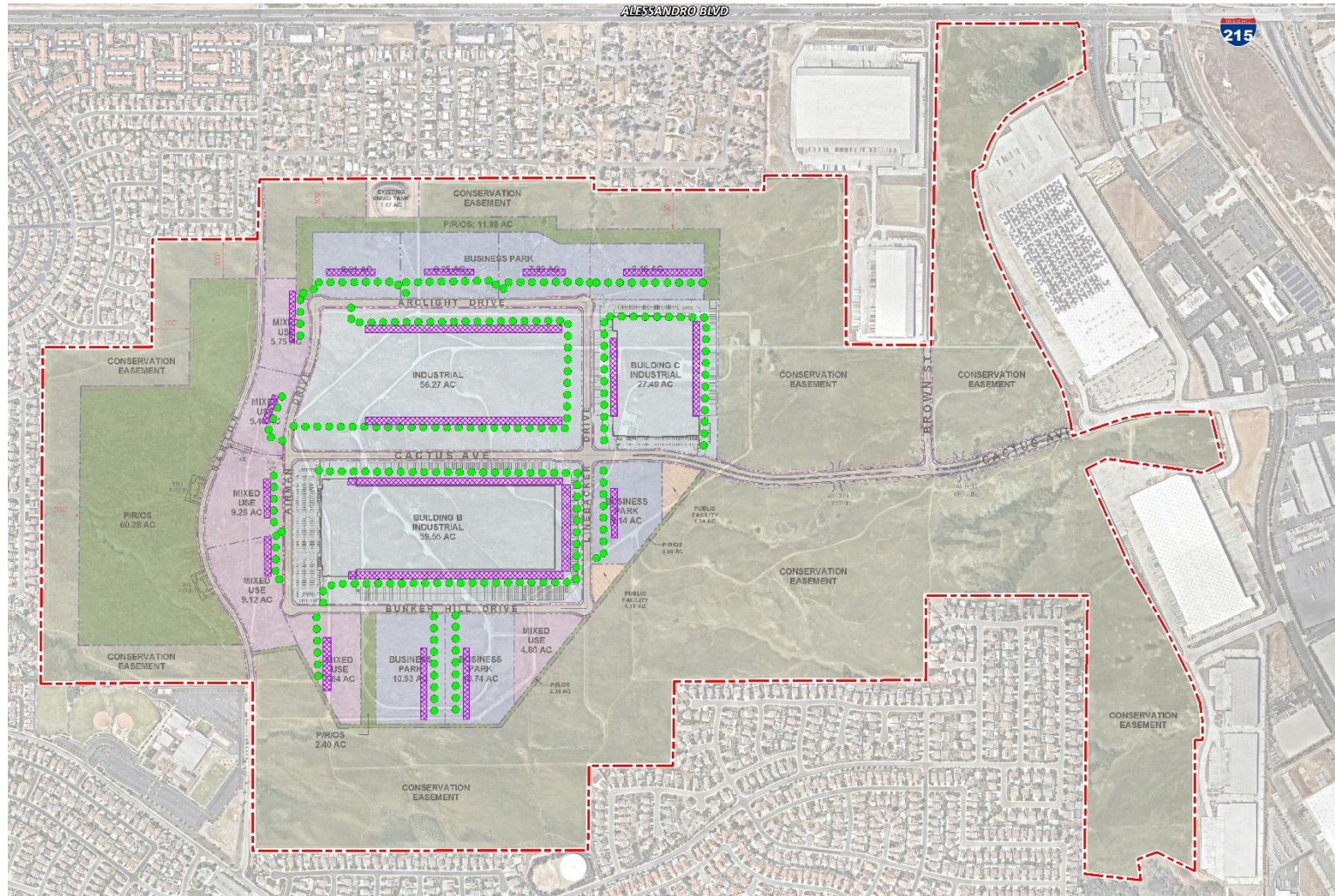
**TABLE 2-3: 2028 WEIGHTED AVERAGE DPM EMISSIONS FACTORS**

Speed	Weighted Average
0 (idling)	0.08203 (g/idle-hr)
5	0.01775 (g/s)
25	0.00805 (g/s)

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates of each volume source have not been included in this report but are included in Appendix 2.3. The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as illustrated on Table 2-4. The modeled emission sources are illustrated on Exhibit 2-B for on-site sources and Exhibit 2-C for off-site sources. The modeling domain is limited to the Project’s primary truck route and includes off-site sources in the study area for more than ¼ mile. This modeling domain is more inclusive and conservative than using only a ¼ mile modeling domain which is the distance supported by several reputable studies which conclude that the greatest potential risks occur within a ¼ mile of the primary source of emissions (1) (in the case of the Project, the primary source of emissions is the on-site idling and on-site travel).



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



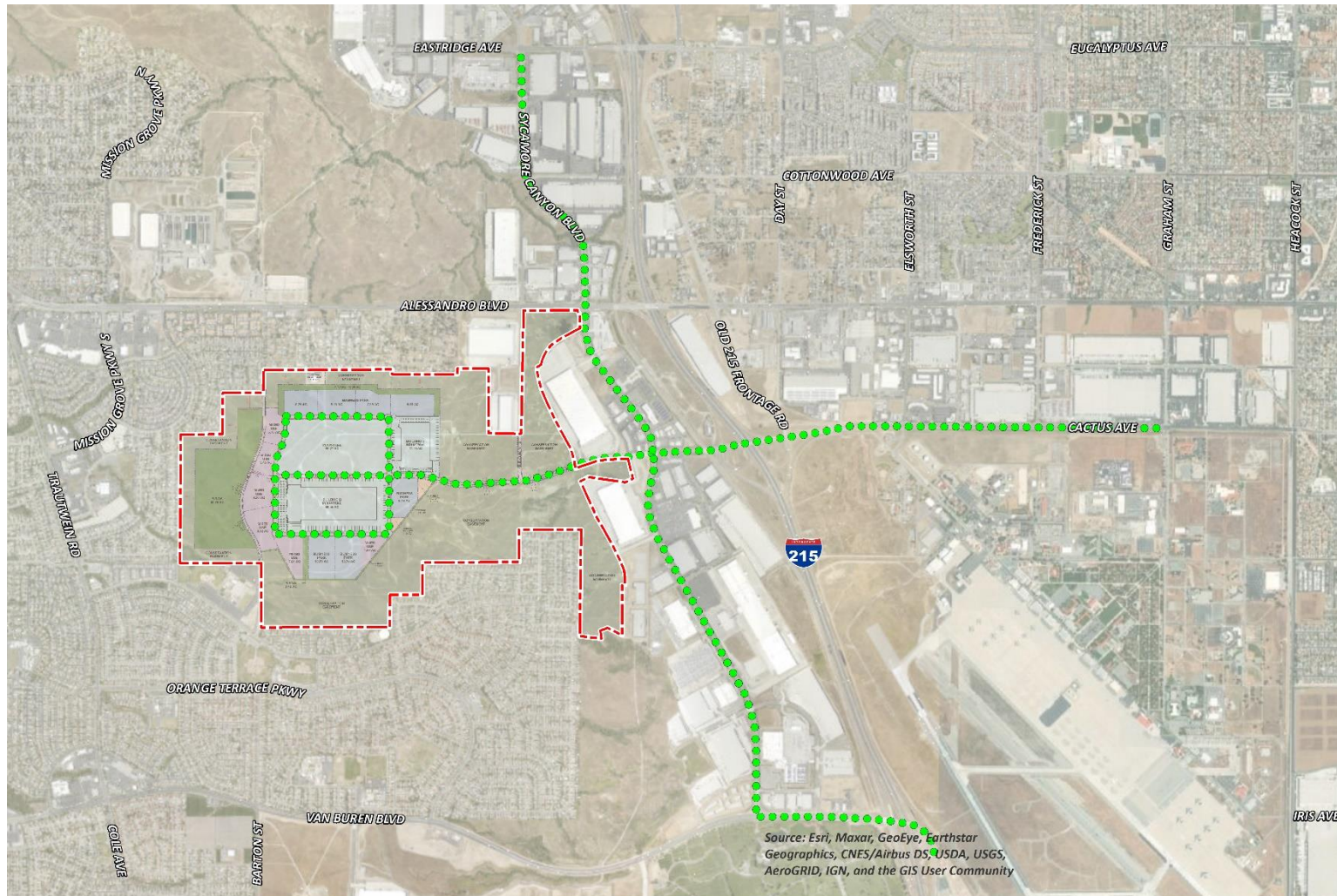
**LEGEND:**

- Site Boundary
- Loading Dock Activity

- Truck Movements

Note: Exhibit 2-B visually overstates the extent of warehousing allowed in the mixed-use parcels within the Project's Specific Plan so as to evaluate the 'worst-case' impacts at each sensitive receptor.

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



**LEGEND:**

- Site Boundary
- Truck Movements

**TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (2028 ANALYSIS YEAR)**

Truck Emission Rates						
Source	Trucks Per Day	VMT <sup>a</sup> (miles/day)	Truck Emission Rate <sup>b</sup> (grams/mile)	Truck Emission Rate <sup>b</sup> (grams/idle-hour)	Daily Truck Emissions <sup>c</sup> (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling - Bldg A North	104			0.0820	5.54	6.414E-05
On-Site Idling - Bldg A South	104			0.0820	5.54	6.414E-05
On-Site Idling - Bldg B North	107			0.0820	4.83	5.590E-05
On-Site Idling - Bldg B East	107			0.0820	4.83	5.590E-05
On-Site Idling - Bldg B South	107			0.0820	4.83	5.590E-05
On-Site Idling - Bldg C West	73			0.0820	3.13	3.622E-05
On-Site Idling - Bldg C East	73			0.0820	3.13	3.622E-05
On-Site Idling - Bldg D	31			0.0820	0.64	7.388E-06
On-Site Idling - Bldg E	39			0.0820	0.80	9.235E-06
On-Site Idling - Bldg F	39			0.0820	0.80	9.235E-06
On-Site Idling - Bldg G	39			0.0820	0.80	9.235E-06
On-Site Idling - Bldg H	39			0.0820	0.80	9.235E-06
On-Site Idling - Bldg J	30			0.0820	0.62	7.203E-06
On-Site Idling - Bldg K	39			0.0820	0.80	9.235E-06
On-Site Idling - Bldg MU 98k North	18			0.0820	0.38	4.390E-06
On-Site Idling - Bldg MU 77k	15			0.0820	0.30	3.449E-06
On-Site Idling - Bldg MU 131k	25			0.0820	0.51	5.868E-06
On-Site Idling - Bldg MU 98k South	18			0.0820	0.38	4.390E-06
On-Site Idling - Bldg MU 110k	21			0.0820	0.43	4.927E-06
On-Site Travel - Bldg A	418	378.92	0.0178		11.66	1.349E-04
On-Site Travel - Bldg B	640	604.16	0.0178		16.72	1.935E-04
On-Site Travel - Bldg C	290	157.68	0.0178		4.22	4.888E-05
On-Site Travel - Bldg D	62	9.68	0.0178		0.17	1.989E-06
On-Site Travel - Bldg E	78	11.91	0.0178		0.21	2.448E-06
On-Site Travel - Bldg F	78	11.82	0.0178		0.21	2.428E-06
On-Site Travel - Bldg G	78	13.05	0.0178		0.23	2.681E-06
On-Site Travel - Bldg H	78	12.99	0.0178		0.23	2.668E-06
On-Site Travel - Bldg J	61	9.68	0.0178		0.17	1.990E-06
On-Site Travel - Bldg K	78	14.29	0.0178		0.25	2.936E-06
On-Site Travel - Bldg MU 98k North	37	3.80	0.0178		0.07	7.811E-07
On-Site Travel - Bldg MU 77k	29	2.65	0.0178		0.05	5.443E-07
On-Site Travel - Bldg MU 131k	49	4.37	0.0178		0.08	8.970E-07
On-Site Travel - Bldg MU 98k South	37	3.13	0.0178		0.06	6.437E-07
On-Site Travel - Bldg MU 110k	42	4.33	0.0178		0.08	8.895E-07
Off-Site Travel - Cactus Ave 40% Inbound/Outbound	822	366.65	0.0080		3.47	4.011E-05
Off-Site Travel - Cactus Ave 100% Inbound/Outbound	2054	2160.77	0.0080		20.42	2.364E-04
Off-Site Travel - Bandit Blvd 25% Inbound/Outbound	514	215.73	0.0080		2.04	2.360E-05
Off-Site Travel - Bandit Blvd 30% N Inbound/Outbound	616	278.59	0.0080		2.63	3.048E-05
Off-Site Travel - Bandit Blvd 15% Inbound/Outbound	308	142.49	0.0080		1.35	1.559E-05
Off-Site Travel - Bandit Blvd 30% S Inbound/Outbound	616	275.11	0.0080		2.60	3.009E-05
Off-Site Travel - Sycamore Canyon Blvd 5% Inbound/Outbound	103	184.88	0.0080		1.75	2.022E-05
Off-Site Travel - Meridian Pkw y 10% Inbound/Outbound	205	468.86	0.0080		4.43	5.129E-05
Off-Site Travel - Cactus Ave 85% Inbound/Outbound	1746	913.45	0.0080		8.63	9.992E-05
Off-Site Travel - Cactus Ave 3% Inbound/Outbound	62	60.89	0.0080		0.58	6.661E-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 and each TRU operates for 30 minutes.

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

In order to account for the possibility of refrigerated uses, trucks associated with the cold-storage land use are assumed to also have transport refrigeration units (TRUs). Therefore, for modeling purposes 376 trucks (188 truck trips per day) have the potential to include TRUs. TRUs are accounted for during on-site and off-site travel. The TRU calculations are based on PM<sub>10</sub> exhaust emissions derived from EMFAC 2021.

As summarized in the *West Campus Upper Plateau Traffic Analysis* prepared by Urban Crossroads, Inc., the Project is expected to generate a total of approximately 35,314 vehicular trip-ends per day (actual vehicles) which includes 2,054 two-way truck trips per day (4).

## 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 (2). SCAQMD recommends using the Environmental Protection Agency's (U.S. EPA's) AERMOD model. For purposes of this analysis, the Lakes AERMOD View (Version 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 US EPA methodology, the Project's modeled sources would result in a release height of 3.49 meters, and an initial lateral dimension of 4.0 meters, and an initial vertical dimension of 3.25 meters.

SCAQMD-recommended model parameters are presented in Table 2-5 (10). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Riverside Airport 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 2,189,641)
Terrain (Flat/Elevated)	Elevated (Regulatory Default)
Averaging Time	1 year (5-year Meteorological Data Set)
Receptor Height	0 meters (Regulatory Default)

Universal Transverse Mercator (UTM) coordinates for World Geodetic System (WGS) 84 were used to locate the Project site boundaries, each volume source location, and receptor locations in the Project site's vicinity. The AERMOD dispersion model summary output files for the proposed Project are presented in Appendix 2.3. Modeled sensitive receptors were placed at residential and non-residential locations.

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

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

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

Consistent with SCAQMD modeling guidance, all receptors were set to existing elevation height so that only ground-level concentrations are analyzed (12). United States Geological Survey (USGS) Digital Elevation Model (DEM) terrain data based on a 7.5-minute topographic quadrangle map series using AERMAP was utilized in the HRA modeling to set elevations (13).

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

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

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years) <sup>a</sup>	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
0 to 2	1,090	10	4.35	1.00	260	8

<sup>a</sup> Construction exposure parameters conservatively apply the parameters for the 0 to 2 age group for the entire duration of construction, which is expected to last for 4.35 years.

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

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

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

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

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

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

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

## 2.5 CARCINOGENIC CHEMICAL RISK

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

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

Guidance from CARB and the California Environmental Protection Agency, Office of Environmental Health Hazard Assessment (OEHHA) recommends a refinement to the standard point estimate approach when alternate human body weights and breathing rates are utilized to assess risk for susceptible subpopulations such as children. For the inhalation pathway, the procedure requires the incorporation of several discrete variates to effectively quantify dose. Once determined, contaminant dose is multiplied by the cancer potency factor (CPF) in units of inverse dose expressed in milligrams per kilogram per day (mg/kg/day)<sup>-1</sup> to derive the cancer risk estimate. Therefore, to assess exposures, the following dose algorithm was utilized.

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

Where:

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

$$\text{RISK}_{\text{air}} = \text{DOSE}_{\text{air}} \times \text{CPF} \times \text{ED}/\text{AT}$$

Where:

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

## 2.6 NON-CARCINOGENIC EXPOSURES

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

$REL_{DPM}$  = Reference exposure level (REL) for DPM; the DPM concentration at which no adverse health effects are anticipated.

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

## 2.7 POTENTIAL PROJECT-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 R11 which is located approximately 304 feet north of the mixed-use portion of the Project site at an existing residence located at 971 Saltcoats Drive. R11 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 0.59 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.

#### **OPERATIONAL IMPACTS**

##### Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R12 which is located approximately 859 feet south of the business park portion of the Project site at an existing residence located at 20620 Iris Canyon Road. R12 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 1.47 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance from the Project site than the MEIR analyzed herein, and TACs generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences. The nearest modeled receptors are illustrated on Exhibit 2-D.

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

The worker receptor land use with the greatest potential exposure to Project operational-source DPM emissions is Location R13, which represents the potential worker receptor located approximately 4,113 feet east of an industrial portion of the Project site. At the MEIW, the maximum incremental cancer risk impact is 0.60 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyzed herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The nearest modeled receptors are illustrated on Exhibit 2-D.

##### School Child Exposure Scenario:

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

---

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.

SCAQMD emissions and modeling analyses, an 80-percent drop-off in pollutant concentrations is expected at approximately 1,000 feet from a distribution center (1).

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

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

The nearest school is the preschool located at Grove Community Church (Location R8), located approximately 794 feet southwest 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 0.21 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.

The next nearest school is Benjamin Franklin Elementary School, which is located approximately 2,320 feet southwest of the Project site. Because there is no reasonable potential that TAC emissions would cause significant health impacts at distances of more than ¼ mile from the air pollution source, there would be no significant impacts that would occur to any schools in the vicinity of the Project.

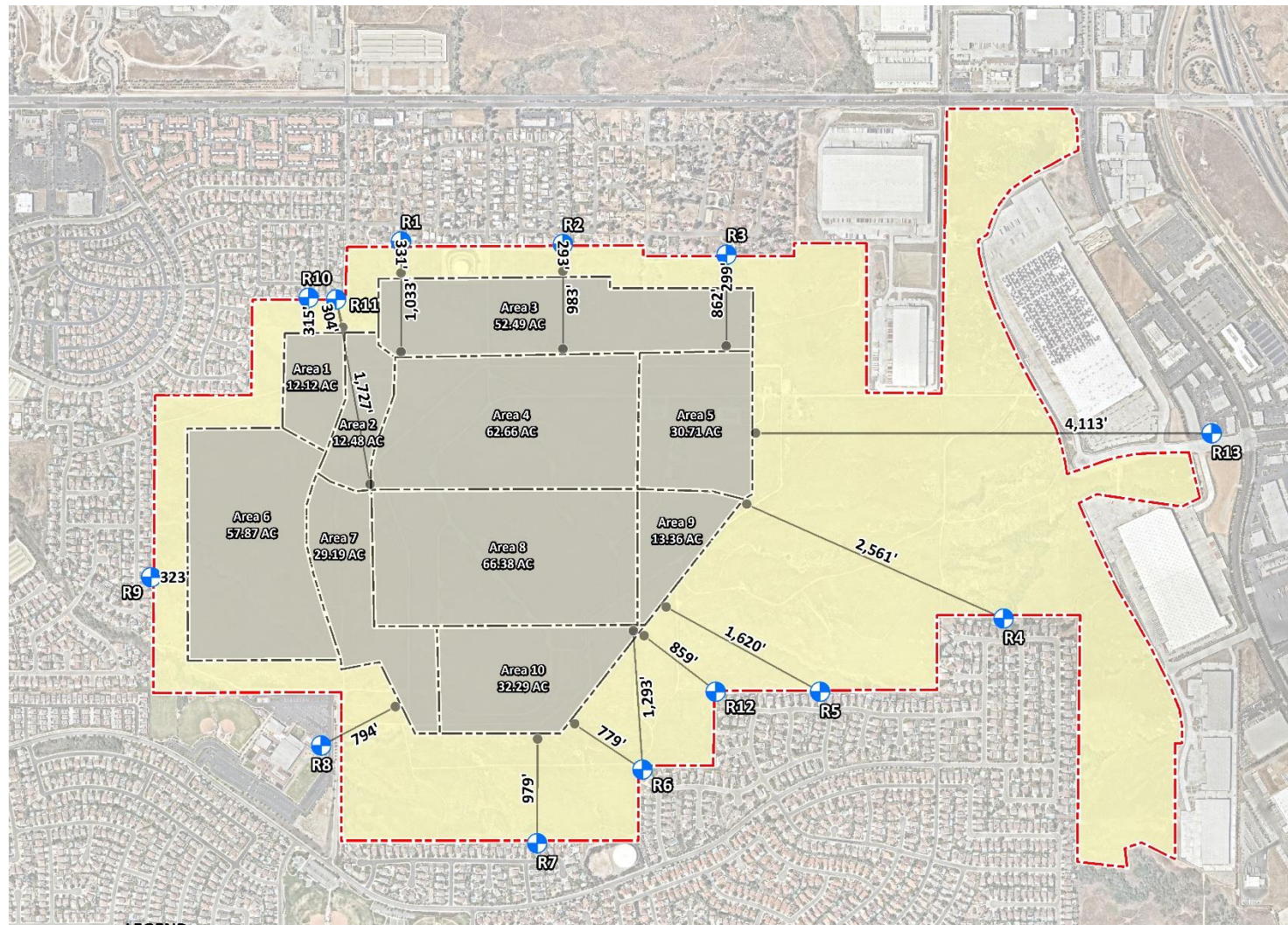
#### **CONSTRUCTION AND OPERATIONAL IMPACTS**

The land use with the greatest potential increased cancer risk due to exposure to Project construction-source and operational-source DPM emissions is Location R11. At this location, the maximum incremental cancer risk attributable to Project construction and operational DPM source emissions is estimated at 1.03 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.





It should be noted that the combined construction and operational risk is lower than the operational risk due to the assumption the conservative use of exposure parameters for the 0 to 2 age group during construction activities and the use of exposure parameters for the 2 to 16 and 16 to 30 age groups during operation.

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

EXHIBIT 2-D: RECEPTOR LOCATIONS



LEGEND:

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

*This page intentionally left blank*

### 3 REFERENCES

1. **Air Resources Board.** *Air Quality and Land Use Handbook: A Community Health Perspective.* 2005.
2. **South Coast Air Quality Management District.** Mobile Source Toxics Analysis. [Online] 2003.  
[http://www.aqmd.gov/ceqa/handbook/mobile\\_toxic/mobile\\_toxic.html](http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html).
3. **Goss, Tracy A and Kroeger, Amy.** White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution. [Online] South Coast Air Quality Management District, 2003. [Cited: June 6, 2019.] <http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper.pdf?sfvrsn=2>.
4. **Urban Crossroads, Inc.** *West Campus Upper Plateau Traffic Analysis.* 2022.
5. —. *West Campus Upper Plateau Air Quality Impact Analysis.* 2022.
6. **California Air Resources Board.** EMFAC 2021. [Online] <https://www.arb.ca.gov/emfac/>.
7. **California Department of Transportation.** EMFAC Software. [Online]  
<http://www.dot.ca.gov/hq/env/air/pages/emfac.htm>.
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. **California Office of Environmental Health Hazard Assessment.** Chemical 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 West Campus Upper Plateau 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*

# 14064 West Campus Upper Plateau Construction 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
  - 2.3. Construction Emissions by Year, Mitigated
3. Construction Emissions Details
  - 3.1. Grading (2023) - Unmitigated
  - 3.2. Grading (2023) - Mitigated
  - 3.3. Grading (2024) - Unmitigated
  - 3.4. Grading (2024) - Mitigated
  - 3.5. Grading (2023) - Unmitigated

- 3.6. Grading (2023) - Mitigated
- 3.7. Grading (2024) - Unmitigated
- 3.8. Grading (2024) - Mitigated
- 3.9. Grading (2024) - Unmitigated
- 3.10. Grading (2024) - Mitigated
- 3.11. Building Construction (2024) - Unmitigated
- 3.12. Building Construction (2024) - Mitigated
- 3.13. Building Construction (2025) - Unmitigated
- 3.14. Building Construction (2025) - Mitigated
- 3.15. Building Construction (2026) - Unmitigated
- 3.16. Building Construction (2026) - Mitigated
- 3.17. Paving (2027) - Unmitigated
- 3.18. Paving (2027) - Mitigated
- 3.19. Architectural Coating (2026) - Unmitigated
- 3.20. Architectural Coating (2026) - Mitigated
- 3.21. Architectural Coating (2027) - Unmitigated
- 3.22. Architectural Coating (2027) - Mitigated

## 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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

## 5. Activity Data

### 5.1. Construction Schedule

### 5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

### 5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

### 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

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

- 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	14064 West Campus Upper Plateau Construction
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	10.0
Location	33.90704595345207, -117.30995400292802
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5480
EDFZ	11
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
Office Park	1,763	1000sqft	40.5	1,763,170	0.00	—	—	—
Regional Shopping Center	161	1000sqft	3.69	160,920	0.00	—	—	—



Unrefrigerated Warehouse-No Rail	2,563	1000sqft	58.8	2,562,560	0.00	—	—	—
Refrigerated Warehouse-No Rail	500	1000sqft	11.5	500,000	0.00	—	—	—
City Park	60.3	Acre	60.3	0.00	2,625,801	0.00	—	—
Other Asphalt Surfaces	8,486	1000sqft	195	0.00	0.00	—	—	—

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

Sector	#	Measure Title
Construction	C-13	Use Low-VOC Paints for Construction

## 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.2	173	55.4	477	0.92	1.89	34.4	34.7	1.89	11.9	13.7	—	103,047	103,047	4.04	3.58	150	103,737
Mit.	12.2	33.4	55.4	477	0.92	1.89	34.4	34.7	1.89	11.9	13.7	—	103,047	103,047	4.04	3.58	150	103,737
% Reduced	—	81%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.6	173	55.9	474	0.92	1.89	34.4	34.7	1.89	11.9	13.7	—	102,920	102,920	4.05	3.63	3.89	103,584
Mit.	11.6	33.3	55.9	474	0.92	1.89	34.4	34.7	1.89	11.9	13.7	—	102,920	102,920	4.05	3.63	3.89	103,584

% Reduced	—	81%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.16	88.5	23.4	199	0.39	0.79	19.8	20.0	0.79	5.09	5.75	—	43,109	43,109	1.70	1.87	39.8	43,391
Mit.	7.16	12.6	23.4	199	0.39	0.79	19.8	20.0	0.79	5.09	5.75	—	43,109	43,109	1.70	1.87	39.8	43,391
% Reduced	—	86%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.31	16.1	4.27	36.3	0.07	0.14	3.61	3.65	0.14	0.93	1.05	—	7,137	7,137	0.28	0.31	6.59	7,184
Mit.	1.31	2.31	4.27	36.3	0.07	0.14	3.61	3.65	0.14	0.93	1.05	—	7,137	7,137	0.28	0.31	6.59	7,184
% Reduced	—	86%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## 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	9.94	9.73	55.4	477	0.92	1.89	28.2	30.1	1.89	11.9	13.7	—	103,047	103,047	4.04	1.88	26.9	103,737
2024	11.8	10.7	26.5	209	0.39	0.80	27.9	28.2	0.80	6.66	6.94	—	43,503	43,503	1.74	2.62	139	44,464
2025	11.3	9.38	25.1	187	0.13	0.28	27.9	28.2	0.28	6.66	6.94	—	42,773	42,773	1.56	2.62	129	43,723
2026	12.2	169	31.2	211	0.17	0.37	34.4	34.7	0.37	8.24	8.61	—	52,568	52,568	1.90	3.58	150	53,833
2027	2.65	173	10.4	68.7	0.09	0.20	7.08	7.27	0.20	1.73	1.93	—	16,403	16,403	0.40	1.12	32.3	16,779
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	9.90	9.68	55.9	474	0.92	1.89	28.2	30.1	1.89	11.9	13.7	—	102,920	102,920	4.05	1.88	0.70	103,584

2024	11.2	10.1	55.4	474	0.92	1.89	28.2	30.1	1.89	11.9	13.7	—	102,805	102,805	4.05	2.63	3.62	103,469
2025	10.1	8.86	26.5	152	0.13	0.28	27.9	28.2	0.28	6.66	6.94	—	40,617	40,617	1.60	2.62	3.34	41,442
2026	11.6	168	33.0	171	0.17	0.37	34.4	34.7	0.37	8.24	8.61	—	50,047	50,047	1.02	3.63	3.89	51,158
2027	2.56	173	10.8	62.1	0.09	0.20	7.08	7.27	0.20	1.73	1.93	—	15,961	15,961	0.41	1.12	0.84	16,306
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.15	4.05	23.4	199	0.39	0.79	11.8	12.6	0.79	4.96	5.75	—	43,109	43,109	1.70	0.79	4.87	43,391
2024	6.59	6.09	22.8	167	0.24	0.50	17.0	17.5	0.50	5.09	5.59	—	37,984	37,984	1.50	1.41	26.4	38,466
2025	7.16	6.28	19.5	113	0.09	0.20	19.8	20.0	0.20	4.73	4.92	—	29,233	29,233	1.14	1.87	39.8	29,860
2026	6.00	52.6	17.0	92.3	0.08	0.18	17.5	17.7	0.18	4.20	4.38	—	25,719	25,719	0.52	1.78	32.8	26,295
2027	1.12	88.5	4.55	18.7	0.03	0.06	3.57	3.63	0.06	0.87	0.93	—	6,133	6,133	0.13	0.54	7.02	6,304
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.76	0.74	4.27	36.3	0.07	0.14	2.16	2.30	0.14	0.91	1.05	—	7,137	7,137	0.28	0.13	0.81	7,184
2024	1.20	1.11	4.16	30.4	0.04	0.09	3.10	3.19	0.09	0.93	1.02	—	6,289	6,289	0.25	0.23	4.37	6,369
2025	1.31	1.15	3.55	20.6	0.02	0.04	3.61	3.65	0.04	0.86	0.90	—	4,840	4,840	0.19	0.31	6.59	4,944
2026	1.10	9.60	3.11	16.8	0.02	0.03	3.20	3.23	0.03	0.77	0.80	—	4,258	4,258	0.09	0.29	5.43	4,353
2027	0.21	16.1	0.83	3.41	0.01	0.01	0.65	0.66	0.01	0.16	0.17	—	1,015	1,015	0.02	0.09	1.16	1,044

### 2.3. Construction Emissions by Year, Mitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	9.94	9.73	55.4	477	0.92	1.89	28.2	30.1	1.89	11.9	13.7	—	103,047	103,047	4.04	1.88	26.9	103,737
2024	11.8	10.7	26.5	209	0.39	0.80	27.9	28.2	0.80	6.66	6.94	—	43,503	43,503	1.74	2.62	139	44,464
2025	11.3	9.38	25.1	187	0.13	0.28	27.9	28.2	0.28	6.66	6.94	—	42,773	42,773	1.56	2.62	129	43,723
2026	12.2	29.6	31.2	211	0.17	0.37	34.4	34.7	0.37	8.24	8.61	—	52,568	52,568	1.90	3.58	150	53,833

2027	2.65	33.4	10.4	68.7	0.09	0.20	7.08	7.27	0.20	1.73	1.93	—	16,403	16,403	0.40	1.12	32.3	16,779
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	9.90	9.68	55.9	474	0.92	1.89	28.2	30.1	1.89	11.9	13.7	—	102,920	102,920	4.05	1.88	0.70	103,584
2024	11.2	10.1	55.4	474	0.92	1.89	28.2	30.1	1.89	11.9	13.7	—	102,805	102,805	4.05	2.63	3.62	103,469
2025	10.1	8.86	26.5	152	0.13	0.28	27.9	28.2	0.28	6.66	6.94	—	40,617	40,617	1.60	2.62	3.34	41,442
2026	11.6	29.0	33.0	171	0.17	0.37	34.4	34.7	0.37	8.24	8.61	—	50,047	50,047	1.02	3.63	3.89	51,158
2027	2.56	33.3	10.8	62.1	0.09	0.20	7.08	7.27	0.20	1.73	1.93	—	15,961	15,961	0.41	1.12	0.84	16,306
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.15	4.05	23.4	199	0.39	0.79	11.8	12.6	0.79	4.96	5.75	—	43,109	43,109	1.70	0.79	4.87	43,391
2024	6.59	6.09	22.8	167	0.24	0.50	17.0	17.5	0.50	5.09	5.59	—	37,984	37,984	1.50	1.41	26.4	38,466
2025	7.16	6.28	19.5	113	0.09	0.20	19.8	20.0	0.20	4.73	4.92	—	29,233	29,233	1.14	1.87	39.8	29,860
2026	6.00	10.9	17.0	92.3	0.08	0.18	17.5	17.7	0.18	4.20	4.38	—	25,719	25,719	0.52	1.78	32.8	26,295
2027	1.12	12.6	4.55	18.7	0.03	0.06	3.57	3.63	0.06	0.87	0.93	—	6,133	6,133	0.13	0.54	7.02	6,304
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.76	0.74	4.27	36.3	0.07	0.14	2.16	2.30	0.14	0.91	1.05	—	7,137	7,137	0.28	0.13	0.81	7,184
2024	1.20	1.11	4.16	30.4	0.04	0.09	3.10	3.19	0.09	0.93	1.02	—	6,289	6,289	0.25	0.23	4.37	6,369
2025	1.31	1.15	3.55	20.6	0.02	0.04	3.61	3.65	0.04	0.86	0.90	—	4,840	4,840	0.19	0.31	6.59	4,944
2026	1.10	1.99	3.11	16.8	0.02	0.03	3.20	3.23	0.03	0.77	0.80	—	4,258	4,258	0.09	0.29	5.43	4,353
2027	0.21	2.31	0.83	3.41	0.01	0.01	0.65	0.66	0.01	0.16	0.17	—	1,015	1,015	0.02	0.09	1.16	1,044

### 3. Construction Emissions Details

#### 3.1. 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
----------	-----	-----	-----	----	-----	-------	-------	-------	--------	--------	--------	------	-------	------	-----	-----	---	------

14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	7.08	7.08	36.8	368	0.69	1.42	—	1.42	1.42	—	1.42	—	74,824	74,824	3.04	0.61	—	75,081
Dust From Material Movement:	—	—	—	—	—	—	19.7	19.7	—	8.36	8.36	—	—	—	—	—	—	—
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	7.08	7.08	36.8	368	0.69	1.42	—	1.42	1.42	—	1.42	—	74,824	74,824	3.04	0.61	—	75,081
Dust From Material Movement:	—	—	—	—	—	—	19.7	19.7	—	8.36	8.36	—	—	—	—	—	—	—
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	2.96	2.96	15.4	154	0.29	0.59	—	0.59	0.59	—	0.59	—	31,335	31,335	1.27	0.25	—	31,443
Dust From Material Movement:	—	—	—	—	—	—	8.27	8.27	—	3.50	3.50	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

Off-Road Equipment	0.54	0.54	2.81	28.1	0.05	0.11	—	0.11	0.11	—	0.11	—	5,188	5,188	0.21	0.04	—	5,206
Dust From Material Movement	—	—	—	—	—	—	1.51	1.51	—	0.64	0.64	—	—	—	—	—	—	—
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	0.48	0.44	0.44	7.48	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,212	1,212	0.05	0.04	5.20	1,231
Vendor	0.19	0.11	4.18	1.30	0.03	0.05	0.21	0.26	0.05	0.08	0.13	—	3,581	3,581	0.08	0.53	9.97	3,751
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	0.46	0.42	0.51	5.67	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,114	1,114	0.05	0.04	0.13	1,127
Vendor	0.18	0.10	4.38	1.34	0.03	0.05	0.21	0.26	0.05	0.08	0.13	—	3,583	3,583	0.08	0.53	0.26	3,744
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	0.19	0.17	0.21	2.49	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	472	472	0.02	0.02	0.94	479
Vendor	0.08	0.04	1.84	0.55	0.01	0.02	0.09	0.11	0.02	0.03	0.05	—	1,500	1,500	0.03	0.22	1.81	1,569
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	0.03	0.03	0.04	0.45	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	78.2	78.2	< 0.005	< 0.005	0.16	79.3
Vendor	0.01	0.01	0.34	0.10	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	248	248	0.01	0.04	0.30	260
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.2. Grading (2023) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	7.08	7.08	36.8	368	0.69	1.42	—	1.42	1.42	—	1.42	—	74,824	74,824	3.04	0.61	—	75,081
Dust From Material Movement:	—	—	—	—	—	—	19.7	19.7	—	8.36	8.36	—	—	—	—	—	—	—
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	7.08	7.08	36.8	368	0.69	1.42	—	1.42	1.42	—	1.42	—	74,824	74,824	3.04	0.61	—	75,081
Dust From Material Movement:	—	—	—	—	—	—	19.7	19.7	—	8.36	8.36	—	—	—	—	—	—	—
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	2.96	2.96	15.4	154	0.29	0.59	—	0.59	0.59	—	0.59	—	31,335	31,335	1.27	0.25	—	31,443
Dust From Material Movement:	—	—	—	—	—	—	8.27	8.27	—	3.50	3.50	—	—	—	—	—	—	—

14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

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	0.54	0.54	2.81	28.1	0.05	0.11	—	0.11	0.11	—	0.11	—	5,188	5,188	0.21	0.04	—	5,206
Dust From Material Movement:	—	—	—	—	—	—	1.51	1.51	—	0.64	0.64	—	—	—	—	—	—	—
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	0.48	0.44	0.44	7.48	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,212	1,212	0.05	0.04	5.20	1,231
Vendor	0.19	0.11	4.18	1.30	0.03	0.05	0.21	0.26	0.05	0.08	0.13	—	3,581	3,581	0.08	0.53	9.97	3,751
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	0.46	0.42	0.51	5.67	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,114	1,114	0.05	0.04	0.13	1,127
Vendor	0.18	0.10	4.38	1.34	0.03	0.05	0.21	0.26	0.05	0.08	0.13	—	3,583	3,583	0.08	0.53	0.26	3,744
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	0.19	0.17	0.21	2.49	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	472	472	0.02	0.02	0.94	479
Vendor	0.08	0.04	1.84	0.55	0.01	0.02	0.09	0.11	0.02	0.03	0.05	—	1,500	1,500	0.03	0.22	1.81	1,569
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	0.03	0.03	0.04	0.45	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	78.2	78.2	< 0.005	< 0.005	0.16	79.3
Vendor	0.01	0.01	0.34	0.10	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	248	248	0.01	0.04	0.30	260



Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
---------	------	------	------	------	------	------	------	------	------	------	------	------	---	------	------	------	------	------	------

### 3.3. Grading (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	7.08	7.08	36.8	368	0.69	1.42	—	1.42	1.42	—	1.42	—	74,812	74,812	3.03	0.61	—	75,069	
Dust From Material Movement:	—	—	—	—	—	—	19.7	19.7	—	8.36	8.36	—	—	—	—	—	—	—	—
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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	0.90	4.68	46.8	0.09	0.18	—	0.18	0.18	—	0.18	—	9,516	9,516	0.39	0.08	—	9,549	
Dust From Material Movement:	—	—	—	—	—	—	2.51	2.51	—	1.06	1.06	—	—	—	—	—	—	—	—
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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	0.85	8.54	0.02	0.03	—	0.03	0.03	—	0.03	—	1,576	1,576	0.06	0.01	—	1,581	

Dust From Material Movement:	—	—	—	—	—	—	0.46	0.46	—	0.19	0.19	—	—	—	—	—	—	—
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	0.44	0.40	0.47	5.21	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,091	1,091	0.05	0.04	0.12	1,105
Vendor	0.15	0.10	4.20	1.28	0.03	0.05	0.21	0.26	0.05	0.08	0.13	—	3,542	3,542	0.08	0.53	0.26	3,703
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	0.06	0.05	0.06	0.70	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	141	141	0.01	0.01	0.26	143
Vendor	0.02	0.01	0.53	0.16	< 0.005	0.01	0.03	0.03	0.01	0.01	0.02	—	450	450	0.01	0.07	0.55	471
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	0.13	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	23.3	23.3	< 0.005	< 0.005	0.04	23.6
Vendor	< 0.005	< 0.005	0.10	0.03	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	74.6	74.6	< 0.005	0.01	0.09	78.0
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

### 3.4. Grading (2024) - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	7.08	7.08	36.8	368	0.69	1.42	—	1.42	1.42	—	1.42	—	74,812	74,812	3.03	0.61	—	75,069
Dust From Material Movement:	—	—	—	—	—	—	19.7	19.7	—	8.36	8.36	—	—	—	—	—	—	—
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	0.90	0.90	4.68	46.8	0.09	0.18	—	0.18	0.18	—	0.18	—	9,516	9,516	0.39	0.08	—	9,549
Dust From Material Movement:	—	—	—	—	—	—	2.51	2.51	—	1.06	1.06	—	—	—	—	—	—	—
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	0.16	0.16	0.85	8.54	0.02	0.03	—	0.03	0.03	—	0.03	—	1,576	1,576	0.06	0.01	—	1,581
Dust From Material Movement:	—	—	—	—	—	—	0.46	0.46	—	0.19	0.19	—	—	—	—	—	—	—
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	0.44	0.40	0.47	5.21	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,091	1,091	0.05	0.04	0.12	1,105
Vendor	0.15	0.10	4.20	1.28	0.03	0.05	0.21	0.26	0.05	0.08	0.13	—	3,542	3,542	0.08	0.53	0.26	3,703
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	0.06	0.05	0.06	0.70	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	141	141	0.01	0.01	0.26	143
Vendor	0.02	0.01	0.53	0.16	< 0.005	0.01	0.03	0.03	0.01	0.01	0.02	—	450	450	0.01	0.07	0.55	471
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	0.13	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	23.3	23.3	< 0.005	< 0.005	0.04	23.6
Vendor	< 0.005	< 0.005	0.10	0.03	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	74.6	74.6	< 0.005	0.01	0.09	78.0
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

### 3.5. 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	1.85	1.85	9.61	96.1	0.18	0.37	—	0.37	0.37	—	0.37	—	19,446	19,446	0.79	0.16	—	19,512

14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

Dust From Material Movement:	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
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	1.85	1.85	9.61	96.1	0.18	0.37	—	0.37	0.37	—	0.37	—	19,446	19,446	0.79	0.16	—	19,512
Dust From Material Movement:	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
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	0.77	0.77	4.03	40.3	0.08	0.15	—	0.15	0.15	—	0.15	—	8,144	8,144	0.33	0.07	—	8,172
Dust From Material Movement:	—	—	—	—	—	—	2.14	2.14	—	1.10	1.10	—	—	—	—	—	—	—
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	0.14	0.73	7.35	0.01	0.03	—	0.03	0.03	—	0.03	—	1,348	1,348	0.05	0.01	—	1,353
Dust From Material Movement:	—	—	—	—	—	—	0.39	0.39	—	0.20	0.20	—	—	—	—	—	—	—
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	0.16	0.15	0.15	2.49	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	404	404	0.02	0.01	1.73	410
Vendor	0.19	0.11	4.18	1.30	0.03	0.05	0.21	0.26	0.05	0.08	0.13	—	3,581	3,581	0.08	0.53	9.97	3,751
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	0.15	0.14	0.17	1.89	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	371	371	0.02	0.01	0.04	376
Vendor	0.18	0.10	4.38	1.34	0.03	0.05	0.21	0.26	0.05	0.08	0.13	—	3,583	3,583	0.08	0.53	0.26	3,744
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	0.06	0.06	0.07	0.83	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	157	157	0.01	0.01	0.31	160
Vendor	0.08	0.04	1.84	0.55	0.01	0.02	0.09	0.11	0.02	0.03	0.05	—	1,500	1,500	0.03	0.22	1.81	1,569
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	0.15	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	26.1	26.1	< 0.005	< 0.005	0.05	26.4
Vendor	0.01	0.01	0.34	0.10	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	248	248	0.01	0.04	0.30	260
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

### 3.6. Grading (2023) - Mitigated

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

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

14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

Off-Road Equipment	1.85	1.85	9.61	96.1	0.18	0.37	—	0.37	0.37	—	0.37	—	19,446	19,446	0.79	0.16	—	19,512
Dust From Material Movement:	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
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	1.85	1.85	9.61	96.1	0.18	0.37	—	0.37	0.37	—	0.37	—	19,446	19,446	0.79	0.16	—	19,512
Dust From Material Movement:	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
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	0.77	0.77	4.03	40.3	0.08	0.15	—	0.15	0.15	—	0.15	—	8,144	8,144	0.33	0.07	—	8,172
Dust From Material Movement:	—	—	—	—	—	—	2.14	2.14	—	1.10	1.10	—	—	—	—	—	—	—
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	0.14	0.73	7.35	0.01	0.03	—	0.03	0.03	—	0.03	—	1,348	1,348	0.05	0.01	—	1,353
Dust From Material Movement:	—	—	—	—	—	—	0.39	0.39	—	0.20	0.20	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.15	2.49	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	404	404	0.02	0.01	1.73	410	
Vendor	0.19	0.11	4.18	1.30	0.03	0.05	0.21	0.26	0.05	0.08	0.13	—	3,581	3,581	0.08	0.53	9.97	3,751	
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	0.15	0.14	0.17	1.89	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	371	371	0.02	0.01	0.04	376	
Vendor	0.18	0.10	4.38	1.34	0.03	0.05	0.21	0.26	0.05	0.08	0.13	—	3,583	3,583	0.08	0.53	0.26	3,744	
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	0.06	0.06	0.07	0.83	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	157	157	0.01	0.01	0.31	160	
Vendor	0.08	0.04	1.84	0.55	0.01	0.02	0.09	0.11	0.02	0.03	0.05	—	1,500	1,500	0.03	0.22	1.81	1,569	
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	0.15	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	26.1	26.1	< 0.005	< 0.005	0.05	26.4	
Vendor	0.01	0.01	0.34	0.10	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	248	248	0.01	0.04	0.30	260	
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. Grading (2024) - Unmitigated

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

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



Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.85	1.85	9.61	96.1	0.18	0.37	—	0.37	0.37	—	0.37	—	19,454	19,454	0.79	0.16	—	19,521
Dust From Material Movement:	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
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	0.24	0.24	1.22	12.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,475	2,475	0.10	0.02	—	2,483
Dust From Material Movement:	—	—	—	—	—	—	0.65	0.65	—	0.33	0.33	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.22	2.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	410	410	0.02	< 0.005	—	411
Dust From Material Movement:	—	—	—	—	—	—	0.12	0.12	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.16	1.74	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	364	364	0.02	0.01	0.04	368
Vendor	0.15	0.10	4.20	1.28	0.03	0.05	0.21	0.26	0.05	0.08	0.13	—	3,542	3,542	0.08	0.53	0.26	3,703
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	46.9	46.9	< 0.005	< 0.005	0.09	47.5
Vendor	0.02	0.01	0.53	0.16	< 0.005	0.01	0.03	0.03	0.01	0.01	0.02	—	450	450	0.01	0.07	0.55	471
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	0.04	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	7.76	7.76	< 0.005	< 0.005	0.01	7.87
Vendor	< 0.005	< 0.005	0.10	0.03	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	74.6	74.6	< 0.005	0.01	0.09	78.0
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

### 3.8. Grading (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.85	1.85	9.61	96.1	0.18	0.37	—	0.37	0.37	—	0.37	—	19,454	19,454	0.79	0.16	—	19,521

14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

Dust From Material Movement:	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
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	0.24	0.24	1.22	12.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,475	2,475	0.10	0.02	—	2,483
Dust From Material Movement:	—	—	—	—	—	—	0.65	0.65	—	0.33	0.33	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.22	2.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	410	410	0.02	< 0.005	—	411
Dust From Material Movement:	—	—	—	—	—	—	0.12	0.12	—	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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.16	1.74	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	364	364	0.02	0.01	0.04	368
Vendor	0.15	0.10	4.20	1.28	0.03	0.05	0.21	0.26	0.05	0.08	0.13	—	3,542	3,542	0.08	0.53	0.26	3,703
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	46.9	46.9	< 0.005	< 0.005	0.09	47.5
Vendor	0.02	0.01	0.53	0.16	< 0.005	0.01	0.03	0.03	0.01	0.01	0.02	—	450	450	0.01	0.07	0.55	471
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	0.04	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	7.76	7.76	< 0.005	< 0.005	0.01	7.87
Vendor	< 0.005	< 0.005	0.10	0.03	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	74.6	74.6	< 0.005	0.01	0.09	78.0
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

### 3.9. Grading (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.93	3.93	20.5	205	0.38	0.79	—	0.79	0.79	—	0.79	—	41,586	41,586	1.69	0.34	—	41,729
Dust From Material Movement:	—	—	—	—	—	—	10.7	10.7	—	4.62	4.62	—	—	—	—	—	—	—
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	3.93	3.93	20.5	205	0.38	0.79	—	0.79	0.79	—	0.79	—	41,586	41,586	1.69	0.34	—	41,729

14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

Dust From Material Movement:	—	—	—	—	—	—	10.7	10.7	—	4.62	4.62	—	—	—	—	—	—	—
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	0.72	0.72	3.76	37.6	0.07	0.14	—	0.14	0.14	—	0.14	—	7,634	7,634	0.31	0.06	—	7,660
Dust From Material Movement:	—	—	—	—	—	—	1.97	1.97	—	0.85	0.85	—	—	—	—	—	—	—
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	0.13	0.13	0.69	6.85	0.01	0.03	—	0.03	0.03	—	0.03	—	1,264	1,264	0.05	0.01	—	1,268
Dust From Material Movement:	—	—	—	—	—	—	0.36	0.36	—	0.15	0.15	—	—	—	—	—	—	—
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	0.27	0.24	0.23	3.97	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	684	684	0.03	0.02	2.71	694
Vendor	0.05	0.03	1.34	0.42	0.01	0.02	0.07	0.09	0.02	0.03	0.04	—	1,180	1,180	0.03	0.18	3.32	1,236
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	0.25	0.23	0.27	3.00	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	628	628	0.03	0.02	0.07	636
Vendor	0.05	0.03	1.40	0.43	0.01	0.02	0.07	0.09	0.02	0.03	0.04	—	1,181	1,181	0.03	0.18	0.09	1,234
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	0.05	0.04	0.05	0.58	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	117	117	0.01	< 0.005	0.22	118
Vendor	0.01	0.01	0.26	0.08	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	217	217	< 0.005	0.03	0.26	227
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	0.11	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	19.3	19.3	< 0.005	< 0.005	0.04	19.6
Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	35.9	35.9	< 0.005	0.01	0.04	37.5
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

### 3.10. Grading (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.93	3.93	20.5	205	0.38	0.79	—	0.79	0.79	—	0.79	—	41,586	41,586	1.69	0.34	—	41,729
Dust From Material Movement	—	—	—	—	—	—	10.7	10.7	—	4.62	4.62	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

Off-Road Equipment	3.93	3.93	20.5	205	0.38	0.79	—	0.79	0.79	—	0.79	—	41,586	41,586	1.69	0.34	—	41,729
Dust From Material Movement:	—	—	—	—	—	—	10.7	10.7	—	4.62	4.62	—	—	—	—	—	—	—
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	0.72	0.72	3.76	37.6	0.07	0.14	—	0.14	0.14	—	0.14	—	7,634	7,634	0.31	0.06	—	7,660
Dust From Material Movement:	—	—	—	—	—	—	1.97	1.97	—	0.85	0.85	—	—	—	—	—	—	—
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	0.13	0.13	0.69	6.85	0.01	0.03	—	0.03	0.03	—	0.03	—	1,264	1,264	0.05	0.01	—	1,268
Dust From Material Movement:	—	—	—	—	—	—	0.36	0.36	—	0.15	0.15	—	—	—	—	—	—	—
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	0.27	0.24	0.23	3.97	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	684	684	0.03	0.02	2.71	694
Vendor	0.05	0.03	1.34	0.42	0.01	0.02	0.07	0.09	0.02	0.03	0.04	—	1,180	1,180	0.03	0.18	3.32	1,236
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	0.25	0.23	0.27	3.00	0.00	0.00	0.04	0.04	0.00	0.00	0.00	—	628	628	0.03	0.02	0.07	636
Vendor	0.05	0.03	1.40	0.43	0.01	0.02	0.07	0.09	0.02	0.03	0.04	—	1,181	1,181	0.03	0.18	0.09	1,234
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	0.05	0.04	0.05	0.58	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	117	117	0.01	< 0.005	0.22	118
Vendor	0.01	0.01	0.26	0.08	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	217	217	< 0.005	0.03	0.26	227
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	0.11	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	19.3	19.3	< 0.005	< 0.005	0.04	19.6
Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	35.9	35.9	< 0.005	0.01	0.04	37.5
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

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

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	4.94	36.8	0.05	0.12	—	0.12	0.12	—	0.12	—	5,199	5,199	0.21	0.04	—	5,216
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

Off-Road Equipment	0.63	0.63	4.94	36.8	0.05	0.12	—	0.12	0.12	—	0.12	—	5,199	5,199	0.21	0.04	—	5,216
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	0.26	0.26	2.01	15.0	0.02	0.05	—	0.05	0.05	—	0.05	—	2,116	2,116	0.09	0.02	—	2,123
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	0.05	0.05	0.37	2.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	350	350	0.01	< 0.005	—	352
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	10.7	9.75	9.18	159	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	27,376	27,376	1.15	0.94	109	27,794
Vendor	0.49	0.32	12.4	3.85	0.08	0.16	0.63	0.79	0.16	0.24	0.40	—	10,929	10,929	0.24	1.64	30.8	11,453
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	10.1	9.16	10.8	120	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	25,159	25,159	1.20	0.94	2.82	25,473
Vendor	0.47	0.31	13.0	3.94	0.08	0.16	0.63	0.79	0.16	0.24	0.40	—	10,936	10,936	0.24	1.65	0.80	11,433
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	4.11	3.71	4.40	51.4	0.00	0.00	0.63	0.63	0.00	0.00	0.00	—	10,372	10,372	0.49	0.38	19.1	10,517
Vendor	0.19	0.13	5.27	1.59	0.03	0.06	0.26	0.32	0.06	0.10	0.16	—	4,450	4,450	0.10	0.67	5.39	4,656

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	0.75	0.68	0.80	9.39	0.00	0.00	0.12	0.12	0.00	0.00	0.00	—	1,717	1,717	0.08	0.06	3.16	1,741
Vendor	0.04	0.02	0.96	0.29	0.01	0.01	0.05	0.06	0.01	0.02	0.03	—	737	737	0.02	0.11	0.89	771
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.12. Building Construction (2024) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	4.94	36.8	0.05	0.12	—	0.12	0.12	—	0.12	—	5,199	5,199	0.21	0.04	—	5,216
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	4.94	36.8	0.05	0.12	—	0.12	0.12	—	0.12	—	5,199	5,199	0.21	0.04	—	5,216
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	0.26	0.26	2.01	15.0	0.02	0.05	—	0.05	0.05	—	0.05	—	2,116	2,116	0.09	0.02	—	2,123
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	0.05	0.05	0.37	2.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	350	350	0.01	< 0.005	—	352
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	10.7	9.75	9.18	159	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	27,376	27,376	1.15	0.94	109	27,794
Vendor	0.49	0.32	12.4	3.85	0.08	0.16	0.63	0.79	0.16	0.24	0.40	—	10,929	10,929	0.24	1.64	30.8	11,453
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	10.1	9.16	10.8	120	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	25,159	25,159	1.20	0.94	2.82	25,473
Vendor	0.47	0.31	13.0	3.94	0.08	0.16	0.63	0.79	0.16	0.24	0.40	—	10,936	10,936	0.24	1.65	0.80	11,433
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	4.11	3.71	4.40	51.4	0.00	0.00	0.63	0.63	0.00	0.00	0.00	—	10,372	10,372	0.49	0.38	19.1	10,517
Vendor	0.19	0.13	5.27	1.59	0.03	0.06	0.26	0.32	0.06	0.10	0.16	—	4,450	4,450	0.10	0.67	5.39	4,656
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	0.75	0.68	0.80	9.39	0.00	0.00	0.12	0.12	0.00	0.00	0.00	—	1,717	1,717	0.08	0.06	3.16	1,741
Vendor	0.04	0.02	0.96	0.29	0.01	0.01	0.05	0.06	0.01	0.02	0.03	—	737	737	0.02	0.11	0.89	771
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.13. Building Construction (2025) - Unmitigated

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

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

14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	4.94	36.8	0.05	0.12	—	0.12	0.12	—	0.12	—	5,198	5,198	0.21	0.04	—	5,216
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	4.94	36.8	0.05	0.12	—	0.12	0.12	—	0.12	—	5,198	5,198	0.21	0.04	—	5,216
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	0.45	0.45	3.53	26.3	0.04	0.09	—	0.09	0.09	—	0.09	—	3,713	3,713	0.15	0.03	—	3,725
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.64	4.79	0.01	0.02	—	0.02	0.02	—	0.02	—	615	615	0.02	< 0.005	—	617
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	10.2	8.51	8.32	147	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	26,806	26,806	1.11	0.94	98.5	27,214
Vendor	0.49	0.23	11.8	3.68	0.08	0.16	0.63	0.79	0.16	0.24	0.40	—	10,769	10,769	0.24	1.64	30.6	11,294
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	8.99	8.01	9.18	111	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	24,643	24,643	1.15	0.94	2.55	24,955
Vendor	0.47	0.22	12.4	3.78	0.08	0.16	0.63	0.79	0.16	0.24	0.40	—	10,777	10,777	0.24	1.64	0.79	11,271
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	6.36	5.66	7.11	83.8	0.00	0.00	1.11	1.11	0.00	0.00	0.00	—	17,826	17,826	0.82	0.67	30.3	18,078
Vendor	0.34	0.17	8.83	2.66	0.06	0.11	0.45	0.57	0.11	0.17	0.28	—	7,695	7,695	0.17	1.17	9.46	8,057
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	1.16	1.03	1.30	15.3	0.00	0.00	0.20	0.20	0.00	0.00	0.00	—	2,951	2,951	0.14	0.11	5.02	2,993
Vendor	0.06	0.03	1.61	0.49	0.01	0.02	0.08	0.10	0.02	0.03	0.05	—	1,274	1,274	0.03	0.19	1.57	1,334
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.14. Building Construction (2025) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	4.94	36.8	0.05	0.12	—	0.12	0.12	—	0.12	—	5,198	5,198	0.21	0.04	—	5,216
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

Off-Road Equipment	0.63	0.63	4.94	36.8	0.05	0.12	—	0.12	0.12	—	0.12	—	5,198	5,198	0.21	0.04	—	5,216
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	0.45	0.45	3.53	26.3	0.04	0.09	—	0.09	0.09	—	0.09	—	3,713	3,713	0.15	0.03	—	3,725
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.64	4.79	0.01	0.02	—	0.02	0.02	—	0.02	—	615	615	0.02	< 0.005	—	617
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	10.2	8.51	8.32	147	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	26,806	26,806	1.11	0.94	98.5	27,214
Vendor	0.49	0.23	11.8	3.68	0.08	0.16	0.63	0.79	0.16	0.24	0.40	—	10,769	10,769	0.24	1.64	30.6	11,294
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	8.99	8.01	9.18	111	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	24,643	24,643	1.15	0.94	2.55	24,955
Vendor	0.47	0.22	12.4	3.78	0.08	0.16	0.63	0.79	0.16	0.24	0.40	—	10,777	10,777	0.24	1.64	0.79	11,271
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	6.36	5.66	7.11	83.8	0.00	0.00	1.11	1.11	0.00	0.00	0.00	—	17,826	17,826	0.82	0.67	30.3	18,078
Vendor	0.34	0.17	8.83	2.66	0.06	0.11	0.45	0.57	0.11	0.17	0.28	—	7,695	7,695	0.17	1.17	9.46	8,057

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	1.16	1.03	1.30	15.3	0.00	0.00	0.20	0.20	0.00	0.00	0.00	—	2,951	2,951	0.14	0.11	5.02	2,993
Vendor	0.06	0.03	1.61	0.49	0.01	0.02	0.08	0.10	0.02	0.03	0.05	—	1,274	1,274	0.03	0.19	1.57	1,334
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.15. Building Construction (2026) - Unmitigated

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

Location	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	0.63	0.63	4.94	36.8	0.05	0.12	—	0.12	0.12	—	0.12	—	5,198	5,198	0.21	0.04	—	5,215
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	4.94	36.8	0.05	0.12	—	0.12	0.12	—	0.12	—	5,198	5,198	0.21	0.04	—	5,215
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	0.35	0.35	2.78	20.7	0.03	0.07	—	0.07	0.07	—	0.07	—	2,929	2,929	0.12	0.02	—	2,939
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	0.06	0.06	0.51	3.78	0.01	0.01	—	0.01	0.01	—	0.01	—	485	485	0.02	< 0.005	—	487
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	8.95	8.05	7.46	137	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	26,231	26,231	1.11	0.90	88.9	26,616
Vendor	0.49	0.23	11.3	3.51	0.08	0.16	0.63	0.79	0.16	0.24	0.40	—	10,596	10,596	0.24	1.64	29.0	11,119
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	8.53	7.59	8.32	104	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	24,120	24,120	0.38	0.94	2.31	24,412
Vendor	0.47	0.21	11.8	3.60	0.08	0.16	0.63	0.79	0.16	0.24	0.40	—	10,604	10,604	0.24	1.64	0.75	11,098
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	4.79	4.25	5.13	61.1	0.00	0.00	0.87	0.87	0.00	0.00	0.00	—	13,766	13,766	0.21	0.53	21.6	13,952
Vendor	0.27	0.12	6.68	2.00	0.04	0.09	0.36	0.45	0.09	0.13	0.22	—	5,974	5,974	0.13	0.92	7.02	6,259
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	0.87	0.78	0.94	11.1	0.00	0.00	0.16	0.16	0.00	0.00	0.00	—	2,279	2,279	0.04	0.09	3.58	2,310
Vendor	0.05	0.02	1.22	0.37	0.01	0.02	0.07	0.08	0.02	0.02	0.04	—	989	989	0.02	0.15	1.16	1,036
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.16. Building Construction (2026) - Mitigated

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

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



14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	4.94	36.8	0.05	0.12	—	0.12	0.12	—	0.12	—	5,198	5,198	0.21	0.04	—	5,215
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	4.94	36.8	0.05	0.12	—	0.12	0.12	—	0.12	—	5,198	5,198	0.21	0.04	—	5,215
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	0.35	0.35	2.78	20.7	0.03	0.07	—	0.07	0.07	—	0.07	—	2,929	2,929	0.12	0.02	—	2,939
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	0.06	0.06	0.51	3.78	0.01	0.01	—	0.01	0.01	—	0.01	—	485	485	0.02	< 0.005	—	487
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	8.95	8.05	7.46	137	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	26,231	26,231	1.11	0.90	88.9	26,616
Vendor	0.49	0.23	11.3	3.51	0.08	0.16	0.63	0.79	0.16	0.24	0.40	—	10,596	10,596	0.24	1.64	29.0	11,119
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	8.53	7.59	8.32	104	0.00	0.00	1.55	1.55	0.00	0.00	0.00	—	24,120	24,120	0.38	0.94	2.31	24,412
Vendor	0.47	0.21	11.8	3.60	0.08	0.16	0.63	0.79	0.16	0.24	0.40	—	10,604	10,604	0.24	1.64	0.75	11,098
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	4.79	4.25	5.13	61.1	0.00	0.00	0.87	0.87	0.00	0.00	0.00	—	13,766	13,766	0.21	0.53	21.6	13,952
Vendor	0.27	0.12	6.68	2.00	0.04	0.09	0.36	0.45	0.09	0.13	0.22	—	5,974	5,974	0.13	0.92	7.02	6,259
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	0.87	0.78	0.94	11.1	0.00	0.00	0.16	0.16	0.00	0.00	0.00	—	2,279	2,279	0.04	0.09	3.58	2,310
Vendor	0.05	0.02	1.22	0.37	0.01	0.02	0.07	0.08	0.02	0.02	0.04	—	989	989	0.02	0.15	1.16	1,036
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.17. Paving (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.47	2.43	34.6	0.05	0.09	—	0.09	0.09	—	0.09	—	4,937	4,937	0.20	0.04	—	4,954
Paving	—	12.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.47	2.43	34.6	0.05	0.09	—	0.09	0.09	—	0.09	—	4,937	4,937	0.20	0.04	—	4,954
Paving	—	12.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.05	0.05	0.28	3.98	0.01	0.01	—	0.01	0.01	—	0.01	—	568	568	0.02	< 0.005	—	570
Paving	—	1.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.73	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	94.1	94.1	< 0.005	< 0.005	—	94.4
Paving	—	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.14	0.12	0.10	1.99	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	406	406	< 0.005	0.01	1.26	412
Vendor	0.03	0.01	0.74	0.23	0.01	0.01	0.04	0.05	0.01	0.02	0.03	—	709	709	0.02	0.11	1.81	743
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	0.13	0.11	0.12	1.51	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	373	373	0.01	0.01	0.03	378

Vendor	0.03	0.01	0.78	0.24	0.01	0.01	0.04	0.05	0.01	0.02	0.03	—	710	710	0.02	0.11	0.05	742
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	0.18	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	43.5	43.5	< 0.005	< 0.005	0.06	44.1
Vendor	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	81.6	81.6	< 0.005	0.01	0.09	85.4
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	—	7.20	7.20	< 0.005	< 0.005	0.01	7.30
Vendor	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.5	13.5	< 0.005	< 0.005	0.01	14.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.18. Paving (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.47	2.43	34.6	0.05	0.09	—	0.09	0.09	—	0.09	—	4,937	4,937	0.20	0.04	—	4,954
Paving	—	12.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.47	2.43	34.6	0.05	0.09	—	0.09	0.09	—	0.09	—	4,937	4,937	0.20	0.04	—	4,954
Paving	—	12.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

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	0.05	0.05	0.28	3.98	0.01	0.01	—	0.01	0.01	—	0.01	—	568	568	0.02	< 0.005	—	570
Paving	—	1.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.73	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	94.1	94.1	< 0.005	< 0.005	—	94.4
Paving	—	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.14	0.12	0.10	1.99	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	406	406	< 0.005	0.01	1.26	412
Vendor	0.03	0.01	0.74	0.23	0.01	0.01	0.04	0.05	0.01	0.02	0.03	—	709	709	0.02	0.11	1.81	743
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	0.13	0.11	0.12	1.51	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	373	373	0.01	0.01	0.03	378
Vendor	0.03	0.01	0.78	0.24	0.01	0.01	0.04	0.05	0.01	0.02	0.03	—	710	710	0.02	0.11	0.05	742
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	0.18	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	43.5	43.5	< 0.005	< 0.005	0.06	44.1
Vendor	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	81.6	81.6	< 0.005	0.01	0.09	85.4

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	0.00	—	7.20	7.20	< 0.005	< 0.005	0.01	7.30
Vendor	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.5	13.5	< 0.005	< 0.005	0.01	14.1	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

### 3.19. Architectural Coating (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.34	4.89	—	0.01	—	0.01	0.01	—	0.01	—	—	—	—	—	—	—
Architectural Coatings	—	158	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.34	4.89	—	0.01	—	0.01	0.01	—	0.01	—	—	—	—	—	—	—
Architectural Coatings	—	158	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

Off-Road Equipment	0.02	0.02	0.10	1.46	—	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	—	—	—	—	—	—
Architectural Coatings	—	47.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.27	—	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	—	—	—	—	—	—
Architectural Coatings	—	8.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.79	1.61	1.49	27.3	0.00	0.00	0.31	0.31	0.00	0.00	0.00	—	5,246	5,246	0.22	0.18	17.8	5,323
Vendor	0.24	0.11	5.66	1.75	0.04	0.08	0.32	0.40	0.08	0.12	0.20	—	5,298	5,298	0.12	0.82	14.5	5,559
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.71	1.52	1.66	20.7	0.00	0.00	0.31	0.31	0.00	0.00	0.00	—	4,824	4,824	0.08	0.19	0.46	4,882
Vendor	0.24	0.11	5.90	1.80	0.04	0.08	0.32	0.40	0.08	0.12	0.20	—	5,302	5,302	0.12	0.82	0.38	5,549
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	0.51	0.45	0.54	6.49	0.00	0.00	0.09	0.09	0.00	0.00	0.00	—	1,463	1,463	0.02	0.06	2.30	1,482
Vendor	0.07	0.03	1.78	0.53	0.01	0.02	0.09	0.12	0.02	0.04	0.06	—	1,587	1,587	0.04	0.25	1.86	1,663

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.18	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	—	242	242	< 0.005	0.01	0.38	245
Vendor	0.01	0.01	0.32	0.10	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	0.01	—	263	263	0.01	0.04	0.31	275
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.20. Architectural Coating (2026) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.34	4.89	—	0.01	—	0.01	0.01	—	0.01	—	—	—	—	—	—	—
Architectural Coatings	—	18.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.34	4.89	—	0.01	—	0.01	0.01	—	0.01	—	—	—	—	—	—	—
Architectural Coatings	—	18.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

Off-Road Equipment	0.02	0.02	0.10	1.46	—	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	—	—	—	—	—	—
Architectural Coatings	—	5.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.02	0.27	—	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	—	—	—	—	—	—
Architectural Coatings	—	1.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.79	1.61	1.49	27.3	0.00	0.00	0.31	0.31	0.00	0.00	0.00	—	5,246	5,246	0.22	0.18	17.8	5,323
Vendor	0.24	0.11	5.66	1.75	0.04	0.08	0.32	0.40	0.08	0.12	0.20	—	5,298	5,298	0.12	0.82	14.5	5,559
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.71	1.52	1.66	20.7	0.00	0.00	0.31	0.31	0.00	0.00	0.00	—	4,824	4,824	0.08	0.19	0.46	4,882
Vendor	0.24	0.11	5.90	1.80	0.04	0.08	0.32	0.40	0.08	0.12	0.20	—	5,302	5,302	0.12	0.82	0.38	5,549
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	0.51	0.45	0.54	6.49	0.00	0.00	0.09	0.09	0.00	0.00	0.00	—	1,463	1,463	0.02	0.06	2.30	1,482
Vendor	0.07	0.03	1.78	0.53	0.01	0.02	0.09	0.12	0.02	0.04	0.06	—	1,587	1,587	0.04	0.25	1.86	1,663

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.18	0.00	0.00	0.02	0.02	0.00	0.00	0.00	0.00	—	242	242	< 0.005	0.01	0.38	245
Vendor	0.01	0.01	0.32	0.10	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	0.01	—	263	263	0.01	0.04	0.31	275
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.21. Architectural Coating (2027) - Unmitigated

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

Location	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	0.07	0.07	0.34	4.89	—	0.01	—	0.01	0.01	—	0.01	—	—	—	—	—	—	—
Architectural Coatings	—	158	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.34	4.89	—	0.01	—	0.01	0.01	—	0.01	—	—	—	—	—	—	—
Architectural Coatings	—	158	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

Off-Road Equipment	0.04	0.04	0.19	2.66	—	0.01	—	0.01	0.01	—	0.01	—	—	—	—	—	—	—
Architectural Coatings	—	86.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.49	—	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	—	—	—	—	—	—
Architectural Coatings	—	15.7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.72	1.53	1.32	25.3	0.00	0.00	0.31	0.31	0.00	0.00	0.00	—	5,149	5,149	0.06	0.18	16.0	5,220
Vendor	0.24	0.11	5.44	1.71	0.04	0.08	0.32	0.40	0.08	0.12	0.20	—	5,201	5,201	0.12	0.78	13.2	5,450
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.63	1.44	1.49	19.1	0.00	0.00	0.31	0.31	0.00	0.00	0.00	—	4,736	4,736	0.07	0.18	0.41	4,791
Vendor	0.23	0.10	5.68	1.76	0.04	0.08	0.32	0.40	0.08	0.12	0.20	—	5,205	5,205	0.12	0.78	0.34	5,440
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	0.89	0.78	0.90	10.9	0.00	0.00	0.17	0.17	0.00	0.00	0.00	—	2,609	2,609	0.04	0.10	3.75	2,643
Vendor	0.13	0.06	3.09	0.94	0.02	0.04	0.17	0.22	0.04	0.06	0.11	—	2,830	2,830	0.07	0.42	3.11	2,962

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.16	1.99	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	432	432	0.01	0.02	0.62	438	
Vendor	0.02	0.01	0.56	0.17	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	469	469	0.01	0.07	0.51	490	
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	

### 3.22. Architectural Coating (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.34	4.89	—	0.01	—	0.01	0.01	—	0.01	—	—	—	—	—	—	—
Architectural Coatings	—	18.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.34	4.89	—	0.01	—	0.01	0.01	—	0.01	—	—	—	—	—	—	—
Architectural Coatings	—	18.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

14064 West Campus Upper Plateau Construction Detailed Report, 10/6/2022

Off-Road Equipment	0.04	0.04	0.19	2.66	—	0.01	—	0.01	0.01	—	0.01	—	—	—	—	—	—	—
Architect ural Coatings	—	10.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.49	—	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	—	—	—	—	—	—
Architect ural Coatings	—	1.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.72	1.53	1.32	25.3	0.00	0.00	0.31	0.31	0.00	0.00	0.00	—	5,149	5,149	0.06	0.18	16.0	5,220
Vendor	0.24	0.11	5.44	1.71	0.04	0.08	0.32	0.40	0.08	0.12	0.20	—	5,201	5,201	0.12	0.78	13.2	5,450
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.63	1.44	1.49	19.1	0.00	0.00	0.31	0.31	0.00	0.00	0.00	—	4,736	4,736	0.07	0.18	0.41	4,791
Vendor	0.23	0.10	5.68	1.76	0.04	0.08	0.32	0.40	0.08	0.12	0.20	—	5,205	5,205	0.12	0.78	0.34	5,440
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	0.89	0.78	0.90	10.9	0.00	0.00	0.17	0.17	0.00	0.00	0.00	—	2,609	2,609	0.04	0.10	3.75	2,643
Vendor	0.13	0.06	3.09	0.94	0.02	0.04	0.17	0.22	0.04	0.06	0.11	—	2,830	2,830	0.07	0.42	3.11	2,962

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.16	1.99	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	432	432	0.01	0.02	0.62	438	
Vendor	0.02	0.01	0.56	0.17	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	469	469	0.01	0.07	0.51	490	
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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
------------	------------	------------	----------	---------------	---------------------	-------------------

Ph1 Mass Grading	Grading	6/1/2023	3/5/2024	5.00	199	—
Ph1 Blasting	Grading	6/1/2023	3/5/2024	5.00	199	—
Ph2 Remedial Grading	Grading	3/6/2024	6/6/2024	5.00	67.0	—
Ph2 Building Construction	Building Construction	6/7/2024	10/15/2026	5.00	615	—
Ph2 Paving	Paving	8/9/2027	10/5/2027	5.00	42.0	—
Ph2 Architectural Coating	Architectural Coating	8/1/2026	10/5/2027	5.00	307	—

## 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
Ph1 Mass Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	8.00	8.00	670	0.40
Ph1 Mass Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	425	0.37
Ph1 Blasting	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	670	0.40
Ph1 Blasting	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	400	0.37
Ph2 Remedial Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	425	0.37
Ph2 Architectural Coating	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	78.0	0.48
Ph1 Mass Grading	Excavators	Diesel	Tier 4 Final	4.00	8.00	400	0.38
Ph1 Mass Grading	Scrapers	Diesel	Tier 4 Final	16.0	8.00	570	0.48
Ph2 Remedial Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	400	0.38
Ph2 Remedial Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	4.00	8.00	670	0.40
Ph2 Remedial Grading	Scrapers	Diesel	Tier 4 Final	8.00	8.00	570	0.48
Ph2 Building Construction	Cranes	Diesel	Tier 4 Final	2.00	8.00	231	0.29
Ph2 Building Construction	Forklifts	Diesel	Tier 4 Final	6.00	8.00	89.0	0.20

Ph2 Building Construction	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	84.0	0.74
Ph2 Building Construction	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Ph2 Paving	Pavers	Diesel	Tier 4 Final	4.00	8.00	130	0.42
Ph2 Paving	Paving Equipment	Diesel	Tier 4 Final	4.00	8.00	132	0.36
Ph2 Paving	Rollers	Diesel	Tier 4 Final	4.00	8.00	80.0	0.38
Ph1 Mass Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	425	0.40
Ph1 Mass Grading	Off-Highway Trucks	Diesel	Tier 4 Final	3.00	8.00	500	0.38
Ph1 Blasting	Off-Highway Trucks	Diesel	Tier 4 Final	3.00	8.00	425	0.38
Ph1 Blasting	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	600	0.40
Ph1 Blasting	Bore/Drill Rigs	Diesel	Tier 4 Final	3.00	8.00	360	0.50
Ph2 Remedial Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	425	0.40
Ph2 Remedial Grading	Off-Highway Trucks	Diesel	Tier 4 Final	3.00	8.00	500	0.38
Ph2 Building Construction	Crawler Tractors	Diesel	Tier 4 Final	3.00	8.00	212	0.43

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Ph1 Mass Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	8.00	8.00	670	0.40
Ph1 Mass Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	425	0.37
Ph1 Blasting	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	670	0.40
Ph1 Blasting	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	400	0.37
Ph2 Remedial Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	425	0.37
Ph2 Architectural Coating	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	78.0	0.48
Ph1 Mass Grading	Excavators	Diesel	Tier 4 Final	4.00	8.00	400	0.38

Ph1 Mass Grading	Scrapers	Diesel	Tier 4 Final	16.0	8.00	570	0.48
Ph2 Remedial Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	400	0.38
Ph2 Remedial Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	4.00	8.00	670	0.40
Ph2 Remedial Grading	Scrapers	Diesel	Tier 4 Final	8.00	8.00	570	0.48
Ph2 Building Construction	Cranes	Diesel	Tier 4 Final	2.00	8.00	231	0.29
Ph2 Building Construction	Forklifts	Diesel	Tier 4 Final	6.00	8.00	89.0	0.20
Ph2 Building Construction	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	84.0	0.74
Ph2 Building Construction	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Ph2 Paving	Pavers	Diesel	Tier 4 Final	4.00	8.00	130	0.42
Ph2 Paving	Paving Equipment	Diesel	Tier 4 Final	4.00	8.00	132	0.36
Ph2 Paving	Rollers	Diesel	Tier 4 Final	4.00	8.00	80.0	0.38
Ph1 Mass Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	425	0.40
Ph1 Mass Grading	Off-Highway Trucks	Diesel	Tier 4 Final	3.00	8.00	500	0.38
Ph1 Blasting	Off-Highway Trucks	Diesel	Tier 4 Final	3.00	8.00	425	0.38
Ph1 Blasting	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	600	0.40
Ph1 Blasting	Bore/Drill Rigs	Diesel	Tier 4 Final	3.00	8.00	360	0.50
Ph2 Remedial Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	425	0.40
Ph2 Remedial Grading	Off-Highway Trucks	Diesel	Tier 4 Final	3.00	8.00	500	0.38
Ph2 Building Construction	Crawler Tractors	Diesel	Tier 4 Final	3.00	8.00	212	0.43

### 5.3. Construction Vehicles

#### 5.3.1. Unmitigated

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

Ph1 Mass Grading	—	—	—	—
Ph1 Mass Grading	Worker	82.5	18.5	LDA,LDT1,LDT2
Ph1 Mass Grading	Vendor	114	10.2	HHDT,MHDT
Ph1 Mass Grading	Hauling	0.00	20.0	HHDT
Ph1 Mass Grading	Onsite truck	—	—	HHDT
Ph1 Blasting	—	—	—	—
Ph1 Blasting	Worker	27.5	18.5	LDA,LDT1,LDT2
Ph1 Blasting	Vendor	114	10.2	HHDT,MHDT
Ph1 Blasting	Hauling	0.00	20.0	HHDT
Ph1 Blasting	Onsite truck	—	—	HHDT
Ph2 Remedial Grading	—	—	—	—
Ph2 Remedial Grading	Worker	47.5	18.5	LDA,LDT1,LDT2
Ph2 Remedial Grading	Vendor	38.0	10.2	HHDT,MHDT
Ph2 Remedial Grading	Hauling	0.00	20.0	HHDT
Ph2 Remedial Grading	Onsite truck	—	—	HHDT
Ph2 Building Construction	—	—	—	—
Ph2 Building Construction	Worker	1,902	18.5	LDA,LDT1,LDT2
Ph2 Building Construction	Vendor	352	10.2	HHDT,MHDT
Ph2 Building Construction	Hauling	0.00	20.0	HHDT
Ph2 Building Construction	Onsite truck	—	—	HHDT
Ph2 Architectural Coating	—	—	—	—
Ph2 Architectural Coating	Worker	380	18.5	LDA,LDT1,LDT2
Ph2 Architectural Coating	Vendor	176	10.2	HHDT,MHDT
Ph2 Architectural Coating	Hauling	0.00	20.0	HHDT
Ph2 Architectural Coating	Onsite truck	—	—	HHDT
Ph2 Paving	—	—	—	—
Ph2 Paving	Worker	30.0	18.5	LDA,LDT1,LDT2

Ph2 Paving	Vendor	24.0	10.2	HHDT,MHDT
Ph2 Paving	Hauling	0.00	20.0	HHDT
Ph2 Paving	Onsite truck	—	—	HHDT

## 5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Ph1 Mass Grading	—	—	—	—
Ph1 Mass Grading	Worker	82.5	18.5	LDA,LDT1,LDT2
Ph1 Mass Grading	Vendor	114	10.2	HHDT,MHDT
Ph1 Mass Grading	Hauling	0.00	20.0	HHDT
Ph1 Mass Grading	Onsite truck	—	—	HHDT
Ph1 Blasting	—	—	—	—
Ph1 Blasting	Worker	27.5	18.5	LDA,LDT1,LDT2
Ph1 Blasting	Vendor	114	10.2	HHDT,MHDT
Ph1 Blasting	Hauling	0.00	20.0	HHDT
Ph1 Blasting	Onsite truck	—	—	HHDT
Ph2 Remedial Grading	—	—	—	—
Ph2 Remedial Grading	Worker	47.5	18.5	LDA,LDT1,LDT2
Ph2 Remedial Grading	Vendor	38.0	10.2	HHDT,MHDT
Ph2 Remedial Grading	Hauling	0.00	20.0	HHDT
Ph2 Remedial Grading	Onsite truck	—	—	HHDT
Ph2 Building Construction	—	—	—	—
Ph2 Building Construction	Worker	1,902	18.5	LDA,LDT1,LDT2
Ph2 Building Construction	Vendor	352	10.2	HHDT,MHDT
Ph2 Building Construction	Hauling	0.00	20.0	HHDT
Ph2 Building Construction	Onsite truck	—	—	HHDT
Ph2 Architectural Coating	—	—	—	—

Ph2 Architectural Coating	Worker	380	18.5	LDA,LDT1,LDT2
Ph2 Architectural Coating	Vendor	176	10.2	HHDT,MHDT
Ph2 Architectural Coating	Hauling	0.00	20.0	HHDT
Ph2 Architectural Coating	Onsite truck	—	—	HHDT
Ph2 Paving	—	—	—	—
Ph2 Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Ph2 Paving	Vendor	24.0	10.2	HHDT,MHDT
Ph2 Paving	Hauling	0.00	20.0	HHDT
Ph2 Paving	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)
Ph2 Architectural Coating	0.00	0.00	7,479,975	2,493,325	509,160

## 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)
Ph1 Mass Grading	—	—	3,980	0.00	—
Ph1 Blasting	—	—	3,980	0.00	—
Ph2 Remedial Grading	—	—	3,980	0.00	—
Ph2 Paving	0.00	0.00	0.00	0.00	195



### 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
Office Park	0.00	0%
Regional Shopping Center	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Refrigerated Warehouse-No Rail	0.00	0%
City Park	0.00	0%
Other Asphalt Surfaces	195	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
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005
2027	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
--------------------------	----------------------	---------------	-------------

5.18.1.2. Mitigated

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
--------------------	---------------	-------------

5.18.1.2. Mitigated

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)
-----------	--------	------------------------------	------------------------------

5.18.2.2. Mitigated

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

## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	26.2	annual days of extreme heat
Extreme Precipitation	2.05	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	5.74	annual hectares burned

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

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (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	97.6
AQ-PM	59.8
AQ-DPM	40.3

Drinking Water	70.7
Lead Risk Housing	53.6
Pesticides	13.2
Toxic Releases	64.0
Traffic	82.0
Effect Indicators	—
CleanUp Sites	82.5
Groundwater	97.9
Haz Waste Facilities/Generators	87.9
Impaired Water Bodies	0.00
Solid Waste	84.9
Sensitive Population	—
Asthma	71.5
Cardio-vascular	86.8
Low Birth Weights	97.0
Socioeconomic Factor Indicators	—
Education	82.5
Housing	59.7
Linguistic	82.8
Poverty	89.3
Unemployment	81.0

## 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	8.353650712

Employed	6.480174516
Median HI	22.3662261
Education	—
Bachelor's or higher	30.14243552
High school enrollment	100
Preschool enrollment	10.97138458
Transportation	—
Auto Access	10.29128705
Active commuting	87.46310792
Social	—
2-parent households	6.223533941
Voting	6.13370974
Neighborhood	—
Alcohol availability	44.43731554
Park access	43.37225715
Retail density	18.60644168
Supermarket access	67.43231105
Tree canopy	3.977928911
Housing	—
Homeownership	8.353650712
Housing habitability	10.4452714
Low-inc homeowner severe housing cost burden	45.06608495
Low-inc renter severe housing cost burden	46.23379956
Uncrowded housing	21.62196843
Health Outcomes	—
Insured adults	12.4085718
Arthritis	51.7

Asthma ER Admissions	24.0
High Blood Pressure	30.0
Cancer (excluding skin)	80.0
Asthma	9.8
Coronary Heart Disease	57.7
Chronic Obstructive Pulmonary Disease	27.0
Diagnosed Diabetes	31.9
Life Expectancy at Birth	7.4
Cognitively Disabled	15.9
Physically Disabled	19.5
Heart Attack ER Admissions	20.1
Mental Health Not Good	14.9
Chronic Kidney Disease	35.4
Obesity	8.3
Pedestrian Injuries	77.2
Physical Health Not Good	20.0
Stroke	29.9
Health Risk Behaviors	—
Binge Drinking	63.5
Current Smoker	15.5
No Leisure Time for Physical Activity	16.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	18.1
Elderly	24.3
English Speaking	44.9

Foreign-born	53.3
Outdoor Workers	18.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	73.9
Traffic Density	76.9
Traffic Access	61.5
Other Indices	—
Hardship	89.9
Other Decision Support	—
2016 Voting	11.6

### 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)	5.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

### 7.4. Health & Equity Measures

No Health & Equity Measures selected.

### 7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

### 7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.



## 8. User Changes to Default Data

Screen	Justification
Land Use	Based on Project site plan
Construction: Construction Phases	Construction schedule based on data provided by the Project team
Construction: Off-Road Equipment	Construction equipment based on data provided by the Project team
Construction: Dust From Material Movement	Total acres grading based on equipment list
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for each phase.

Emissions	Phase	Lb/Day	# Days	Emissions	Avg/Lb Day	Avg/Hourly
On-Site	Mass Grading (Phase 1)	1.42	199	282.58	1.42	0.1775
Exhaust PM-10	Blasting (Phase 1)	0.37	199	73.63	0.37	0.04625
	Remedial Grading (Phase 2)	0.79	67	52.93	0.79	0.09875
	Building Construction (Phase 2)	0.12	615	73.8	0.12	0.015
	Paving (Phase 2)	0.09	42	3.78	0.09	0.01125
	Architectural Coatings (Phase 2)	0.01	307	3.07	0.01	0.00125
		2.80	1134	489.79	0.43191358	0.053989198
Off-Site	Mass Grading (Phase 1)	5.00E-02	199	9.95	0.05	0.00625
Exhaust PM-10	Blasting (Phase 1)	5.00E-02	199	9.95	0.05	0.00625
	Remedial Grading (Phase 2)	2.00E-02	67	1.34	0.02	0.0025
	Building Construction (Phase 2)	1.60E-01	615	98.4	0.16	0.02
	Paving (Phase 2)	1.00E-02	42	0.42	0.01	0.00125
	Architectural Coatings (Phase 2)	8.00E-02	307	24.56	0.08	0.01
		3.70E-01	1134	144.62	0.127530864	0.015941358

	Phase	Start Date	End Date	No. Days
Phase 1	Mass Grading	6/1/2023	3/5/2024	199
	Blasting	6/1/2023	3/5/2024	199
Phase 2	Remedial Grading	3/6/2024	6/6/2024	67
	Building Construction	6/7/2024	10/15/2026	615
	Paving	8/9/2027	10/5/2027	42
	Arch Coatings	8/1/2026	10/5/2027	307
<b>Total Days of Construction</b>				<b>1134</b>

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

*This page intentionally left blank*

**AVERAGE EMISSION FACTOR  
RIVERSIDE COUNTY 2028**

Speed	LHD1	LHD2	MHD	HHD
0	0.360596	0.587221	0.029636	0.01128
5	0.03832	0.058355	0.018419	0.01141
25	0.018162	0.028626	0.005085	0.00558

Speed	Weighted Average Emissions
<b>0</b>	<b>0.08203</b>
<b>5</b>	<b>0.01775</b>
<b>25</b>	<b>0.00805</b>

Truck Emission Rates						
Source	Trucks Per Day	VMT <sup>a</sup> (miles/day)	Truck Emission Rate <sup>b</sup> (grams/mile)	Truck Emission Rate <sup>b</sup> (grams/idle-hour)	Daily Truck Emissions <sup>c</sup> (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling - Bldg A North	104			0.0820	5.54	6.414E-05
On-Site Idling - Bldg A South	104			0.0820	5.54	6.414E-05
On-Site Idling - Bldg B North	107			0.0820	4.83	5.590E-05
On-Site Idling - Bldg B East	107			0.0820	4.83	5.590E-05
On-Site Idling - Bldg B South	107			0.0820	4.83	5.590E-05
On-Site Idling - Bldg C West	73			0.0820	3.13	3.622E-05
On-Site Idling - Bldg C East	73			0.0820	3.13	3.622E-05
On-Site Idling - Bldg D	31			0.0820	0.64	7.388E-06
On-Site Idling - Bldg E	39			0.0820	0.80	9.235E-06
On-Site Idling - Bldg F	39			0.0820	0.80	9.235E-06
On-Site Idling - Bldg G	39			0.0820	0.80	9.235E-06
On-Site Idling - Bldg H	39			0.0820	0.80	9.235E-06
On-Site Idling - Bldg J	30			0.0820	0.62	7.203E-06
On-Site Idling - Bldg K	39			0.0820	0.80	9.235E-06
On-Site Idling - Bldg MU 98k North	18			0.0820	0.38	4.390E-06
On-Site Idling - Bldg MU 77k	15			0.0820	0.30	3.449E-06
On-Site Idling - Bldg MU 131k	25			0.0820	0.51	5.868E-06
On-Site Idling - Bldg MU 98k South	18			0.0820	0.38	4.390E-06
On-Site Idling - Bldg MU 110k	21			0.0820	0.43	4.927E-06
On-Site Travel - Bldg A	418	378.92	0.0178		11.66	1.349E-04
On-Site Travel - Bldg B	640	604.16	0.0178		16.72	1.935E-04
On-Site Travel - Bldg C	290	157.68	0.0178		4.22	4.888E-05
On-Site Travel - Bldg D	62	9.68	0.0178		0.17	1.989E-06
On-Site Travel - Bldg E	78	11.91	0.0178		0.21	2.448E-06
On-Site Travel - Bldg F	78	11.82	0.0178		0.21	2.428E-06
On-Site Travel - Bldg G	78	13.05	0.0178		0.23	2.681E-06
On-Site Travel - Bldg H	78	12.99	0.0178		0.23	2.668E-06
On-Site Travel - Bldg J	61	9.68	0.0178		0.17	1.990E-06
On-Site Travel - Bldg K	78	14.29	0.0178		0.25	2.936E-06
On-Site Travel - Bldg MU 98k North	37	3.80	0.0178		0.07	7.811E-07
On-Site Travel - Bldg MU 77k	29	2.65	0.0178		0.05	5.443E-07
On-Site Travel - Bldg MU 131k	49	4.37	0.0178		0.08	8.970E-07
On-Site Travel - Bldg MU 98k South	37	3.13	0.0178		0.06	6.437E-07
On-Site Travel - Bldg MU 110k	42	4.33	0.0178		0.08	8.895E-07
Off-Site Travel - Cactus Ave 40% Inbound/Outbound	822	366.65	0.0080		3.47	4.011E-05
Off-Site Travel - Cactus Ave 100% Inbound/Outbound	2054	2160.77	0.0080		20.42	2.364E-04
Off-Site Travel - Bandit Blvd 25% Inbound/Outbound	514	215.73	0.0080		2.04	2.360E-05
Off-Site Travel - Bandit Blvd 30% N Inbound/Outbound	616	278.59	0.0080		2.63	3.048E-05
Off-Site Travel - Bandit Blvd 15% Inbound/Outbound	308	142.49	0.0080		1.35	1.559E-05
Off-Site Travel - Bandit Blvd 30% S Inbound/Outbound	616	275.11	0.0080		2.60	3.009E-05
Off-Site Travel - Sycamore Canyon Blvd 5% Inbound/Outbound	103	184.88	0.0080		1.75	2.022E-05
Off-Site Travel - Meridian Pkwy 10% Inbound/Outbound	205	468.86	0.0080		4.43	5.129E-05
Off-Site Travel - Cactus Ave 85% Inbound/Outbound	1746	913.45	0.0080		8.63	9.992E-05
Off-Site Travel - Cactus Ave 3% Inbound/Outbound	62	60.89	0.0080		0.58	6.661E-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	temperatu	relative_hu	process	speed_tim	pollutant	emission_rate
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	5	PM10	0.012039
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	10	PM10	0.010055
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	15	PM10	0.007847
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	20	PM10	0.006686
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	25	PM10	0.005883
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	30	PM10	0.006066
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	35	PM10	0.007178
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	40	PM10	0.009218
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	45	PM10	0.012188
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	50	PM10	0.016087
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	55	PM10	0.020915
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	60	PM10	0.026652
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	65	PM10	0.033283
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	70	PM10	0.033283
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	75	PM10	0.033283
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	80	PM10	0.033283
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	85	PM10	0.033283
2028	Annual	Riverside	(HHDT	Dsl	60	70	RUNEX	90	PM10	0.033283
2028	Annual	Riverside	(HHDT	Dsl			IDLEX		PM10	0.011901
2028	Annual	Riverside	(HHDT	Dsl			PMTW		PM10	0.035155
2028	Annual	Riverside	(HHDT	Dsl			PMBW	5	PM10	0.137369
2028	Annual	Riverside	(HHDT	Dsl			PMBW	10	PM10	0.137369
2028	Annual	Riverside	(HHDT	Dsl			PMBW	15	PM10	0.135548
2028	Annual	Riverside	(HHDT	Dsl			PMBW	20	PM10	0.132611
2028	Annual	Riverside	(HHDT	Dsl			PMBW	25	PM10	0.129673
2028	Annual	Riverside	(HHDT	Dsl			PMBW	30	PM10	0.127852
2028	Annual	Riverside	(HHDT	Dsl			PMBW	35	PM10	0.108251
2028	Annual	Riverside	(HHDT	Dsl			PMBW	40	PM10	0.094047
2028	Annual	Riverside	(HHDT	Dsl			PMBW	45	PM10	0.079843
2028	Annual	Riverside	(HHDT	Dsl			PMBW	50	PM10	0.069617
2028	Annual	Riverside	(HHDT	Dsl			PMBW	55	PM10	0.069617
2028	Annual	Riverside	(HHDT	Dsl			PMBW	60	PM10	0.069617
2028	Annual	Riverside	(HHDT	Dsl			PMBW	65	PM10	0.069617
2028	Annual	Riverside	(HHDT	Dsl			PMBW	70	PM10	0.069617
2028	Annual	Riverside	(HHDT	Dsl			PMBW	75	PM10	0.069617
2028	Annual	Riverside	(HHDT	Dsl			PMBW	80	PM10	0.069617
2028	Annual	Riverside	(HHDT	Dsl			PMBW	85	PM10	0.069617
2028	Annual	Riverside	(HHDT	Dsl			PMBW	90	PM10	0.069617
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	5	PM10	0.08367
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	10	PM10	0.069176
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	15	PM10	0.057423
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	20	PM10	0.047714
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	25	PM10	0.039657
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	30	PM10	0.033026
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	35	PM10	0.027688
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	40	PM10	0.023565
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	45	PM10	0.020615
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	50	PM10	0.018819
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	55	PM10	0.018177
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	60	PM10	0.018708
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	65	PM10	0.020458
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	70	PM10	0.023074
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	75	PM10	0.023074
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	80	PM10	0.023074
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	85	PM10	0.023074
2028	Annual	Riverside	(LHDT1	Dsl	60	70	RUNEX	90	PM10	0.023074
2028	Annual	Riverside	(LHDT1	Dsl			IDLEX		PM10	0.78735

2028 Annual	Riverside (LHDT1	Dsl		PMTW	PM10	0.012
2028 Annual	Riverside (LHDT1	Dsl		PMBW	5 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	10 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	15 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	20 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	25 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	30 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	35 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	40 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	45 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	50 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	55 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	60 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	65 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	70 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	75 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	80 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	85 PM10	0.078
2028 Annual	Riverside (LHDT1	Dsl		PMBW	90 PM10	0.078
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	5 PM10	0.078987
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	10 PM10	0.066102
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	15 PM10	0.055381
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	20 PM10	0.046352
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	25 PM10	0.038748
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	30 PM10	0.032414
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	35 PM10	0.027261
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	40 PM10	0.023235
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	45 PM10	0.020307
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	50 PM10	0.018465
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	55 PM10	0.017709
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	60 PM10	0.018052
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	65 PM10	0.019524
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	70 PM10	0.021886
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	75 PM10	0.021886
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	80 PM10	0.021886
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	85 PM10	0.021886
2028 Annual	Riverside (LHDT2	Dsl	60	70 RUNEX	90 PM10	0.021886
2028 Annual	Riverside (LHDT2	Dsl		IDLEX	PM10	0.794846
2028 Annual	Riverside (LHDT2	Dsl		PMTW	PM10	0.012
2028 Annual	Riverside (LHDT2	Dsl		PMBW	5 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	10 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	15 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	20 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	25 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	30 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	35 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	40 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	45 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	50 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	55 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	60 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	65 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	70 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	75 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	80 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	85 PM10	0.091
2028 Annual	Riverside (LHDT2	Dsl		PMBW	90 PM10	0.091
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	5 PM10	0.019955



2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	10 PM10	0.016159
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	15 PM10	0.01063
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	20 PM10	0.007025
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	25 PM10	0.005509
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	30 PM10	0.004735
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	35 PM10	0.004402
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	40 PM10	0.004512
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	45 PM10	0.005064
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	50 PM10	0.006063
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	55 PM10	0.007511
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	60 PM10	0.009156
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	65 PM10	0.010861
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	70 PM10	0.010861
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	75 PM10	0.010861
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	80 PM10	0.010861
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	85 PM10	0.010861
2028 Annual	Riverside (MHDT	Dsl	60	70 RUNEX	90 PM10	0.010861
2028 Annual	Riverside (MHDT	Dsl		IDLEX	PM10	0.032107
2028 Annual	Riverside (MHDT	Dsl		PMTW	PM10	0.012
2028 Annual	Riverside (MHDT	Dsl		PMBW	5 PM10	0.061496
2028 Annual	Riverside (MHDT	Dsl		PMBW	10 PM10	0.061496
2028 Annual	Riverside (MHDT	Dsl		PMBW	15 PM10	0.061496
2028 Annual	Riverside (MHDT	Dsl		PMBW	20 PM10	0.06063
2028 Annual	Riverside (MHDT	Dsl		PMBW	25 PM10	0.049809
2028 Annual	Riverside (MHDT	Dsl		PMBW	30 PM10	0.044399
2028 Annual	Riverside (MHDT	Dsl		PMBW	35 PM10	0.041585
2028 Annual	Riverside (MHDT	Dsl		PMBW	40 PM10	0.041585
2028 Annual	Riverside (MHDT	Dsl		PMBW	45 PM10	0.041585
2028 Annual	Riverside (MHDT	Dsl		PMBW	50 PM10	0.041585
2028 Annual	Riverside (MHDT	Dsl		PMBW	55 PM10	0.041585
2028 Annual	Riverside (MHDT	Dsl		PMBW	60 PM10	0.041585
2028 Annual	Riverside (MHDT	Dsl		PMBW	65 PM10	0.041585
2028 Annual	Riverside (MHDT	Dsl		PMBW	70 PM10	0.041585
2028 Annual	Riverside (MHDT	Dsl		PMBW	75 PM10	0.041585
2028 Annual	Riverside (MHDT	Dsl		PMBW	80 PM10	0.041585
2028 Annual	Riverside (MHDT	Dsl		PMBW	85 PM10	0.041585
2028 Annual	Riverside (MHDT	Dsl		PMBW	90 PM10	0.041585

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Sub-Area

Region: Riverside (SC)

Calendar Year: 2028

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 Ye:	Speed	Fuel	Population
Riverside	2028	HHDT	Aggregate	Aggregate	Gasoline	3.98858
Riverside	2028	HHDT	Aggregate	Aggregate	Diesel	16286.5
Riverside	2028	HHDT	Aggregate	Aggregate	Natural G:	889.839
Riverside	2028	LHDT1	Aggregate	Aggregate	Gasoline	17013.1
Riverside	2028	LHDT1	Aggregate	Aggregate	Diesel	14375.6
Riverside	2028	LHDT2	Aggregate	Aggregate	Gasoline	2353.81
Riverside	2028	LHDT2	Aggregate	Aggregate	Diesel	6657.21
Riverside	2028	MHDT	Aggregate	Aggregate	Gasoline	1167.51
Riverside	2028	MHDT	Aggregate	Aggregate	Diesel	14002.3
Riverside	2028	MHDT	Aggregate	Aggregate	Natural G:	199.968

HHDT% GAS/NG	0.05203
HHDT% DSL	0.94797
LHDT1% GAS	0.54201
LHDT1% DSL	0.45799
LHDT2% GAS	0.26121
LHDT2% DSL	0.73879
MHDT% GAS	0.07696
MHDT% DSL	0.92304

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

*This page intentionally left blank*

\*\*  
\*\*\*\*\*  
\*\*  
\*\* AERMOD Input Produced by:  
\*\* AERMOD View Ver. 11.0.0  
\*\* Lakes Environmental Software Inc.  
\*\* Date: 10/7/2022  
\*\* File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Construction\14064  
Construction.ADI  
\*\*

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

CO STARTING  
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140  
MODELOPT DFAULT CONC  
AVERTIME ANNUAL  
URBANOPT 2189641 Riverside\_County  
POLLUTID DPM  
RUNORNOT RUN  
ERRORFIL "14064 Construction.err"

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

\*\*  
SO STARTING  
\*\* Source Location \*\*

** Source ID - Type - X Coord. - Y Coord. **				
LOCATION VOL1	VOLUME	471175.473	3752366.407	510.210
LOCATION VOL2	VOLUME	471362.212	3752367.600	512.450
LOCATION VOL3	VOLUME	471550.136	3752368.393	518.920
LOCATION VOL4	VOLUME	471609.606	3752371.565	516.010
LOCATION VOL5	VOLUME	471796.736	3752342.227	515.100
LOCATION VOL6	VOLUME	471984.660	3752344.605	513.590
LOCATION VOL7	VOLUME	472003.690	3752346.984	512.090
LOCATION VOL8	VOLUME	472002.898	3752159.060	521.590
LOCATION VOL9	VOLUME	471814.181	3752156.682	520.730
LOCATION VOL10	VOLUME	471628.636	3752181.262	526.790
LOCATION VOL11	VOLUME	471440.712	3752181.262	527.380
LOCATION VOL12	VOLUME	471253.581	3752180.469	518.870
LOCATION VOL13	VOLUME	471092.617	3752217.737	509.620
LOCATION VOL14	VOLUME	471074.380	3752029.020	516.070
LOCATION VOL15	VOLUME	471263.889	3751992.546	521.100
LOCATION VOL16	VOLUME	471452.606	3751994.132	529.960
LOCATION VOL17	VOLUME	471640.530	3751992.546	534.940
LOCATION VOL18	VOLUME	471827.661	3751967.965	533.000
LOCATION VOL19	VOLUME	472002.898	3751970.344	527.910
LOCATION VOL20	VOLUME	471845.105	3751780.041	538.850
LOCATION VOL21	VOLUME	471657.181	3751803.829	536.000
LOCATION VOL22	VOLUME	471468.465	3751806.208	528.300
LOCATION VOL23	VOLUME	471280.541	3751807.001	524.990
LOCATION VOL24	VOLUME	471093.410	3751841.890	515.600
LOCATION VOL25	VOLUME	470978.435	3751841.890	518.120
LOCATION VOL26	VOLUME	471014.117	3751654.759	520.370
LOCATION VOL27	VOLUME	471201.248	3751654.759	525.140
LOCATION VOL28	VOLUME	471389.172	3751619.077	534.860
LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750

LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL42	VOLUME	472135.642	3751845.064	525.790
LOCATION VOL43	VOLUME	472323.361	3751843.460	510.520
LOCATION VOL44	VOLUME	472512.544	3751852.284	501.450
LOCATION VOL45	VOLUME	472698.022	3751875.469	491.390
LOCATION VOL46	VOLUME	472880.772	3751928.657	487.900
LOCATION VOL47	VOLUME	472608.011	3752044.580	498.520
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810

\*\* Source Parameters \*\*

SRCPARAM VOL1	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL2	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL3	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL4	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL5	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL6	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL7	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL8	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL9	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL10	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL11	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL12	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL13	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL14	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL15	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL16	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL17	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL18	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL19	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL20	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL21	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL22	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL23	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL24	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL25	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL26	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL27	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL28	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL29	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL30	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL31	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL32	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL33	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL34	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL35	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL36	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL37	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL38	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL39	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL40	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL41	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL42	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL43	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL44	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL45	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL46	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL47	0.0001417476	5.000	43.702	1.400

SRCPARAM VOL48 0.0001417476 5.000 43.702 1.400  
URBANSRC ALL

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

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

\*\* WeekDays:

EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL1 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0  
EMISFACT VOL1 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0  
EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

\*\* Saturday:

EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

\*\* Sunday:

EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL1 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

\*\* WeekDays:

EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL2 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0  
EMISFACT VOL2 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0  
EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

\*\* Saturday:

EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

\*\* Sunday:

EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL2 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

\*\* WeekDays:

EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL3 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0  
EMISFACT VOL3 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0  
EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

\*\* Saturday:

EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

\*\* Sunday:

EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL3 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0

\*\* WeekDays:

EMISFACT VOL4 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT VOL4 HRDOW 0.0 0.0 1.0 1.0 1.0 1.0  
EMISFACT VOL4 HRDOW 1.0 1.0 1.0 1.0 0.0 0.0  
EMISFACT 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:

























```
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED "14064 Construction.rou"
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
  SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC
  PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL
  SURFDATA 3171 2012
  UAIRDATA 3190 2012
  PROFBASE 245.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
** Auto-Generated Plotfiles
  PLOTFILE ANNUAL ALL "14064 CONSTRUCTION.AD\AN00GALL.PLT" 31
  SUMMFILE "14064 Construction.sum"
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/7/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Construction\14064
Construction.ADI
**

```

```

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

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME ANNUAL
URBANOPT 2189641 Riverside_County
POLLUTID DPM
RUNORNOT RUN
ERRORFIL "14064 Construction.err"

```

CO FINISHED

```

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

```

```

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

```

LOCATION	VOL	VOLUME	X Coord.	Y Coord.
LOCATION VOL1		471175.473	3752366.407	510.210
LOCATION VOL2		471362.212	3752367.600	512.450
LOCATION VOL3		471550.136	3752368.393	518.920
LOCATION VOL4		471609.606	3752371.565	516.010
LOCATION VOL5		471796.736	3752342.227	515.100
LOCATION VOL6		471984.660	3752344.605	513.590
LOCATION VOL7		472003.690	3752346.984	512.090
LOCATION VOL8		472002.898	3752159.060	521.590
LOCATION VOL9		471814.181	3752156.682	520.730
LOCATION VOL10		471628.636	3752181.262	526.790
LOCATION VOL11		471440.712	3752181.262	527.380
LOCATION VOL12		471253.581	3752180.469	518.870
LOCATION VOL13		471092.617	3752217.737	509.620
LOCATION VOL14		471074.380	3752029.020	516.070
LOCATION VOL15		471263.889	3751992.546	521.100
LOCATION VOL16		471452.606	3751994.132	529.960
LOCATION VOL17		471640.530	3751992.546	534.940
LOCATION VOL18		471827.661	3751967.965	533.000
LOCATION VOL19		472002.898	3751970.344	527.910
LOCATION VOL20		471845.105	3751780.041	538.850
LOCATION VOL21		471657.181	3751803.829	536.000
LOCATION VOL22		471468.465	3751806.208	528.300
LOCATION VOL23		471280.541	3751807.001	524.990
LOCATION VOL24		471093.410	3751841.890	515.600
LOCATION VOL25		470978.435	3751841.890	518.120
LOCATION VOL26		471014.117	3751654.759	520.370
LOCATION VOL27		471201.248	3751654.759	525.140
LOCATION VOL28		471389.172	3751619.077	534.860
LOCATION VOL29		471577.888	3751616.698	529.000

LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL42	VOLUME	472135.642	3751845.064	525.790
LOCATION VOL43	VOLUME	472323.361	3751843.460	510.520
LOCATION VOL44	VOLUME	472512.544	3751852.284	501.450
LOCATION VOL45	VOLUME	472698.022	3751875.469	491.390
LOCATION VOL46	VOLUME	472880.772	3751928.657	487.900
LOCATION VOL47	VOLUME	472608.011	3752044.580	498.520
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810

\*\* Source Parameters \*\*

SRCPARAM VOL1	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL2	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL3	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL4	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL5	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL6	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL7	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL8	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL9	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL10	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL11	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL12	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL13	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL14	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL15	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL16	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL17	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL18	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL19	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL20	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL21	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL22	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL23	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL24	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL25	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL26	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL27	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL28	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL29	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL30	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL31	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL32	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL33	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL34	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL35	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL36	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL37	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL38	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL39	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL40	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL41	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL42	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL43	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL44	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL45	0.0001417476	5.000	43.702	1.400
SRCPARAM VOL46	0.0001417476	5.000	43.702	1.400

SRCPARAM	VOL47	0.0001417476	5.000	43.702	1.400
SRCPARAM	VOL48	0.0001417476	5.000	43.702	1.400
URBANSRC	ALL				

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

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

\*\* WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* Sunday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* WeekDays:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL2	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* Saturday:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* Sunday:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* WeekDays:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL3	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* Saturday:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* Sunday:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

\*\* WeekDays:

EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL4	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL4	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	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























```

SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED "14064 Construction.rou"
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
  SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC
  PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL
  SURFDATA 3171 2012
  UAIRDATA 3190 2012
  PROFBASE 245.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
** Auto-Generated Plotfiles
  PLOTFILE ANNUAL ALL "14064 CONSTRUCTION.AD\AN00GALL.PLT" 31
  SUMMFILE "14064 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      880      MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used           0.50
ME W187      880      MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

```

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

```

*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***      10/07/22
*** AERMET - VERSION 16216 ***
***

```

\*\*\* 16:59:49



## \*\* 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 48 Source(s),  
 for Total of 1 Urban Area(s):  
 Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m  
 \* Urban Roughness Length of 1.0 Meter Used.  
 \* ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET  
 \* CCVR\_Sub - Meteorological data includes CCVR substitutions  
 \* TEMP\_Sub - Meteorological data includes TEMP substitutions  
 \* Model Assumes No FLAGPOLE Receptor Heights.  
 \* The User Specified a Pollutant Type of: DPM

## \*\*Model Calculates ANNUAL Averages Only

\*\*This Run Includes: 48 Source(s); 1 Source Group(s); and 233 Receptor(s)

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

and: 48 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) = 245.00 ; 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:







VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 ,  
 VOL31 , VOL32 ,  
 VOL33 , VOL34 , VOL35 , VOL36 , VOL37 , VOL38 ,  
 VOL39 , VOL40 ,  
 VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,  
 VOL47 , VOL48 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 6

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

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

SOURCE ID = VOL1 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 7

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

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

SOURCE ID = VOL2 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

16:59:49

PAGE 8

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

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

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

16:59:49

PAGE 9

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

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

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :

HRAS  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 10

\*\*\* 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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

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

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

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

16:59:49

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

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

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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



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

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 16:59:49

PAGE 13

\*\*\* 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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 16:59:49

PAGE 14

\*\*\* 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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 15

\*\*\* MODELOPTs: RegDFAULT 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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 16

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

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

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

16:59:49

PAGE 17

\*\*\* MODELOPTs: RegDEFAULT 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 HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

16:59:49

PAGE 18

\*\*\* 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\14064 West
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 19

\*\*\* 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\14064 West

\*\*\* MODELOPTs: RegDEFAULT 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

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for Weekday.

DAY OF WEEK = SATURDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for Saturday.

DAY OF WEEK = SUNDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for Sunday.

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West

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

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

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for Weekday.

DAY OF WEEK = SATURDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for Saturday.

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	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\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 22

\*\*\* 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 :

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	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\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 23

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

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

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

DAY OF WEEK = WEEKDAY

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

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

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 24

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

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

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

-----  
 -----

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

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

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 25

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

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

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 26

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

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

SOURCE ID = VOL21		; SOURCE TYPE = VOLUME		:							
SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
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\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 27



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

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

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 28

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

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

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

16:59:49

PAGE 29

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

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

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

16:59:49

PAGE 30

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

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

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 31

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

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

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 32

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

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

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 33

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

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

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 34

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

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

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 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\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 35

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

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

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 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\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

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

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

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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\14064 West
Campus\14064 Ops\140 \*\*\* 10/07/22

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

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

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

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 16:59:49

PAGE 38

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

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

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 16:59:49

PAGE 39

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

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

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 40

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

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

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 41

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

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

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR



DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 42

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

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

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 43

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

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

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 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\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

16:59:49

PAGE 44

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

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

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

PAGE 45

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

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

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

PAGE 46

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

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

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

16:59:49

PAGE 47

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

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

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

16:59:49

PAGE 48

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

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

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 49

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

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

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 50

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

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

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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\14064 West
Campus\14064 Ops\140 \*\*\* 10/07/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 16:59:49

PAGE 51

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

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

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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\14064 West
Campus\14064 Ops\140 \*\*\* 10/07/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 16:59:49

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

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

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :
HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL
SCALAR HOURL SCALAR HOURL SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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\14064 West
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

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

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

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :
HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL
SCALAR HOURL SCALAR HOURL SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

.0000E+00 15 .0000E+00 16 .0000E+00  
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\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 16:59:49

PAGE 54

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

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

( 472283.7, 3752641.0,	492.6,	492.6,	0.0);	( 472482.2, 3752398.0,
499.3, 499.3,	0.0);			
( 472478.0, 3752183.1,	505.1,	505.1,	0.0);	( 472148.1, 3752531.5,
495.2, 502.0,	0.0);			
( 472052.1, 3752531.2,	499.4,	512.0,	0.0);	( 471975.5, 3752531.2,
500.5, 514.0,	0.0);			
( 471896.1, 3752530.9,	503.4,	513.0,	0.0);	( 471840.8, 3752529.9,
503.4, 513.0,	0.0);			
( 471816.6, 3752527.1,	500.6,	513.0,	0.0);	( 471736.8, 3752557.9,
501.5, 501.5,	0.0);			
( 471696.6, 3752558.9,	500.0,	500.0,	0.0);	( 471627.3, 3752556.2,
501.9, 512.0,	0.0);			
( 471584.6, 3752556.8,	504.5,	507.0,	0.0);	( 471560.0, 3752556.2,
504.6, 507.0,	0.0);			
( 471534.3, 3752554.9,	503.2,	509.0,	0.0);	( 471514.9, 3752554.9,
502.2, 519.0,	0.0);			
( 471486.8, 3752555.7,	503.1,	503.1,	0.0);	( 471465.7, 3752555.4,
503.1, 503.1,	0.0);			
( 471442.2, 3752555.0,	501.3,	505.0,	0.0);	( 471419.7, 3752552.5,
500.3, 505.0,	0.0);			
( 471394.2, 3752552.9,	501.4,	501.4,	0.0);	( 471363.4, 3752552.5,
503.5, 503.5,	0.0);			
( 471332.7, 3752553.3,	505.8,	505.8,	0.0);	( 471307.6, 3752552.9,
506.9, 506.9,	0.0);			
( 471284.0, 3752552.7,	506.2,	506.2,	0.0);	( 471262.0, 3752552.7,
505.7, 505.7,	0.0);			
( 471241.9, 3752552.7,	505.6,	505.6,	0.0);	( 471223.1, 3752552.9,
505.9, 505.9,	0.0);			
( 471205.9, 3752552.9,	506.2,	506.2,	0.0);	( 471173.2, 3752552.4,
506.5, 506.5,	0.0);			
( 471135.7, 3752552.5,	506.1,	506.1,	0.0);	( 471093.2, 3752551.5,
505.4, 505.4,	0.0);			
( 471059.4, 3752551.7,	504.7,	504.7,	0.0);	( 471020.5, 3752551.2,
503.1, 503.1,	0.0);			
( 470981.0, 3752563.6,	502.1,	502.1,	0.0);	( 470980.4, 3752552.2,
502.5, 502.5,	0.0);			
( 470980.1, 3752535.6,	503.0,	503.0,	0.0);	( 470979.9, 3752517.2,
503.7, 503.7,	0.0);			
( 470980.1, 3752499.8,	504.0,	504.0,	0.0);	( 470980.2, 3752479.8,
504.0, 504.0,	0.0);			
( 470980.4, 3752459.4,	504.6,	504.6,	0.0);	( 470980.2, 3752433.2,
505.4, 505.4,	0.0);			
( 470980.1, 3752404.0,	506.0,	506.0,	0.0);	( 470927.1, 3752402.7,
504.9, 504.9,	0.0);			
( 470907.9, 3752402.7,	503.1,	503.1,	0.0);	( 470887.3, 3752402.7,
500.9, 505.0,	0.0);			
( 470869.7, 3752402.0,	500.7,	500.7,	0.0);	( 470849.6, 3752401.9,
500.3, 500.3,	0.0);			
( 470829.4, 3752402.2,	500.0,	500.0,	0.0);	( 470811.6, 3752402.2,
499.7, 499.7,	0.0);			
( 470791.5, 3752402.5,	499.2,	499.2,	0.0);	( 470773.6, 3752401.9,



```

498.6,      498.6,      0.0);
( 470749.2, 3752402.2,    497.8,    497.8,    0.0); ( 470727.7, 3752391.7,
497.8,      497.8,      0.0);
( 470733.0, 3752339.0,    499.9,    499.9,    0.0); ( 470733.7, 3752320.5,
500.2,      500.2,      0.0);
( 470734.2, 3752291.0,    500.8,    500.8,    0.0); ( 470733.2, 3752265.8,
500.8,      500.8,      0.0);
( 470732.9, 3752218.8,    501.2,    501.2,    0.0); ( 470732.5, 3752182.1,
501.8,      501.8,      0.0);
( 470732.4, 3752145.3,    503.0,    503.0,    0.0); ( 470692.4, 3752144.8,
502.5,      502.5,      0.0);
( 470670.1, 3752144.5,    502.1,    502.1,    0.0); ( 470651.7, 3752144.3,
502.0,      502.0,      0.0);
( 470633.5, 3752144.1,    501.5,    501.5,    0.0); ( 470615.5, 3752144.0,
500.9,      500.9,      0.0);
( 470596.0, 3752143.3,    500.2,    500.2,    0.0); ( 470577.0, 3752143.5,
500.0,      500.0,      0.0);
( 470553.6, 3752143.5,    499.7,    499.7,    0.0); ( 470528.6, 3752142.6,
498.8,      498.8,      0.0);
( 470508.0, 3752142.8,    497.6,    497.6,    0.0); ( 470485.6, 3752142.5,
496.3,      496.3,      0.0);
( 470471.6, 3752131.6,    496.1,    496.1,    0.0); ( 470471.6, 3752109.2,
497.3,      497.3,      0.0);
( 470471.3, 3752085.2,    498.1,    498.1,    0.0); ( 470471.5, 3752037.7,
499.7,      499.7,      0.0);
( 470471.7, 3752013.0,    500.0,    500.0,    0.0); ( 470470.9, 3751987.2,
500.1,      500.1,      0.0);
( 470470.9, 3751965.7,    500.1,    500.1,    0.0); ( 470470.8, 3751944.4,
500.1,      500.1,      0.0);
( 470470.6, 3751924.3,    499.6,    499.6,    0.0); ( 470470.5, 3751905.9,
499.0,      499.0,      0.0);
( 470470.9, 3751884.1,    499.1,    499.1,    0.0); ( 470470.6, 3751864.0,
498.6,      498.6,      0.0);
( 470470.3, 3751844.0,    497.9,    497.9,    0.0); ( 470470.2, 3751824.5,
496.6,      496.6,      0.0);
( 470470.3, 3751805.8,    495.7,    499.0,    0.0); ( 470470.3, 3751788.0,
495.1,      502.0,      0.0);
( 470470.3, 3751761.2,    497.6,    497.6,    0.0); ( 470471.0, 3751741.9,
499.5,      499.5,      0.0);

```

```

*** AERMOD - VERSION 22112 ***      C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***      10/07/22

```

```

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

```

```

***      16:59:49

```

```

PAGE 55

```

```

*** MODELOPTs:      RegDEFAULT CONC ELEV URBAN ADJ_U*

```

```

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

```

```

( 470470.0, 3751722.8,    501.4,    501.4,    0.0); ( 470470.2, 3751703.4,
503.3,      503.3,      0.0);
( 470470.2, 3751683.8,    504.9,    504.9,    0.0); ( 470470.3, 3751664.3,
506.2,      506.2,      0.0);
( 470470.3, 3751642.4,    507.6,    507.6,    0.0); ( 470470.5, 3751621.8,
508.5,      508.5,      0.0);
( 470470.2, 3751599.8,    509.0,    509.0,    0.0); ( 470470.6, 3751578.8,
509.1,      509.1,      0.0);
( 470469.6, 3751555.9,    507.6,    507.6,    0.0); ( 470470.0, 3751512.5,
504.8,      512.0,      0.0);
( 470468.6, 3751414.6,    501.8,    513.0,    0.0); ( 470469.8, 3751385.2,
507.1,      513.0,      0.0);
( 470468.6, 3751358.9,    509.6,    509.6,    0.0); ( 470462.9, 3751325.6,
511.9,      511.9,      0.0);
( 470462.0, 3751310.6,    512.6,    512.6,    0.0); ( 470462.6, 3751296.6,

```

512.4, 512.4, 0.0);  
( 470462.6, 3751283.3, 512.0, 512.0, 0.0); ( 470462.6, 3751269.9,  
511.1, 511.1, 0.0);  
( 470462.9, 3751254.3, 509.6, 512.0, 0.0); ( 470462.0, 3751240.7,  
508.9, 508.9, 0.0);  
( 470463.2, 3751227.6, 509.4, 509.4, 0.0); ( 470756.4, 3751290.6,  
507.7, 525.0, 0.0);  
( 470797.7, 3751268.3, 507.7, 525.0, 0.0); ( 470891.2, 3751226.4,  
512.0, 512.0, 0.0);  
( 470940.8, 3751191.8, 512.1, 512.1, 0.0); ( 471000.6, 3750923.6,  
523.8, 523.8, 0.0);  
( 471029.3, 3750923.6, 523.7, 523.7, 0.0); ( 471056.3, 3750923.9,  
524.2, 542.0, 0.0);  
( 471077.9, 3750924.4, 524.8, 543.0, 0.0); ( 471097.6, 3750924.4,  
525.7, 543.0, 0.0);  
( 471118.2, 3750925.0, 528.0, 543.0, 0.0); ( 471139.0, 3750927.4,  
529.8, 543.0, 0.0);  
( 471160.1, 3750928.8, 530.8, 543.0, 0.0); ( 471181.1, 3750931.5,  
532.3, 543.0, 0.0);  
( 471201.7, 3750930.9, 533.3, 543.0, 0.0); ( 471222.5, 3750931.5,  
533.7, 543.0, 0.0);  
( 471244.1, 3750931.2, 534.8, 543.0, 0.0); ( 471264.4, 3750931.7,  
535.7, 538.0, 0.0);  
( 471284.4, 3750931.7, 536.5, 536.5, 0.0); ( 471305.8, 3750931.7,  
536.5, 536.5, 0.0);  
( 471324.7, 3750930.9, 535.8, 535.8, 0.0); ( 471343.0, 3750930.1,  
534.9, 534.9, 0.0);  
( 471363.9, 3750929.0, 534.7, 534.7, 0.0); ( 471382.0, 3750928.8,  
534.8, 534.8, 0.0);  
( 471400.9, 3750928.2, 535.0, 535.0, 0.0); ( 471421.1, 3750928.0,  
535.4, 535.4, 0.0);  
( 471440.6, 3750928.1, 535.6, 535.6, 0.0); ( 471461.8, 3750927.4,  
535.7, 535.7, 0.0);  
( 471479.8, 3750927.9, 535.9, 535.9, 0.0); ( 471499.7, 3750927.6,  
536.2, 536.2, 0.0);  
( 471519.3, 3750928.8, 536.6, 549.0, 0.0); ( 471537.0, 3750929.6,  
538.0, 549.0, 0.0);  
( 471556.8, 3750930.9, 539.6, 549.0, 0.0); ( 471580.7, 3750934.1,  
541.7, 549.0, 0.0);  
( 471624.0, 3750940.2, 545.0, 549.0, 0.0); ( 471795.9, 3750950.1,  
548.4, 548.4, 0.0);  
( 471796.3, 3750967.9, 547.3, 547.3, 0.0); ( 471796.7, 3750987.2,  
545.3, 547.0, 0.0);  
( 471797.5, 3751006.8, 542.7, 549.0, 0.0); ( 471796.7, 3751025.3,  
542.0, 547.0, 0.0);  
( 471795.9, 3751046.4, 541.1, 541.1, 0.0); ( 471796.7, 3751073.0,  
540.1, 540.1, 0.0);  
( 471797.5, 3751143.8, 537.7, 537.7, 0.0); ( 471833.0, 3751143.8,  
537.0, 537.0, 0.0);  
( 471867.4, 3751144.0, 534.9, 534.9, 0.0); ( 471891.0, 3751144.4,  
532.9, 532.9, 0.0);  
( 471916.6, 3751144.2, 530.9, 530.9, 0.0); ( 471939.5, 3751144.2,  
529.4, 529.4, 0.0);  
( 471963.1, 3751144.4, 525.8, 535.0, 0.0); ( 471984.2, 3751144.0,  
524.4, 533.0, 0.0);  
( 471999.0, 3751163.4, 525.3, 536.0, 0.0); ( 472000.2, 3751199.1,  
530.8, 530.8, 0.0);  
( 471999.8, 3751230.6, 532.9, 532.9, 0.0); ( 472000.4, 3751251.5,  
534.3, 534.3, 0.0);  
( 472000.2, 3751281.1, 536.2, 536.2, 0.0); ( 472002.0, 3751347.9,  
537.0, 537.0, 0.0);  
( 472036.9, 3751348.5, 536.6, 536.6, 0.0); ( 472063.1, 3751349.3,  
536.5, 536.5, 0.0);  
( 472084.6, 3751348.3, 535.8, 535.8, 0.0); ( 472104.9, 3751348.7,  
534.6, 534.6, 0.0);  
( 472127.3, 3751348.5, 533.0, 533.0, 0.0); ( 472150.8, 3751349.7,

```

531.4,      531.4,      0.0);
( 472171.5, 3751349.5,    530.3,    530.3,    0.0);      ( 472194.1, 3751349.1,
528.2,      531.0,      0.0);
( 472222.6, 3751348.7,    525.4,    536.0,    0.0);      ( 472247.8, 3751349.5,
523.2,      536.0,      0.0);
( 472269.7, 3751349.1,    520.9,    536.0,    0.0);      ( 472290.4, 3751350.3,
520.7,      535.0,      0.0);
( 472313.6, 3751350.5,    520.9,    532.0,    0.0);      ( 472333.8, 3751351.3,
520.6,      532.0,      0.0);

```

```

*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***      10/07/22

```

```

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

```

```

***      16:59:49

```

PAGE 56

```

*** MODELOPTs:      RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

```

```

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

```

```

( 472354.8, 3751351.3,    518.5,    532.0,    0.0);      ( 472377.7, 3751351.1,
516.0,      532.0,      0.0);
( 472401.7, 3751351.1,    513.6,    533.0,    0.0);      ( 472425.5, 3751351.8,
511.8,      532.0,      0.0);
( 472445.7, 3751350.7,    511.1,    532.0,    0.0);      ( 472463.2, 3751350.9,
509.4,      532.0,      0.0);
( 472484.1, 3751350.9,    507.3,    532.0,    0.0);      ( 472503.9, 3751351.3,
506.3,      532.0,      0.0);
( 472523.8, 3751351.3,    506.2,    531.0,    0.0);      ( 472543.3, 3751351.3,
506.4,      506.4,      0.0);
( 472563.2, 3751352.2,    506.1,    506.1,    0.0);      ( 472582.6, 3751352.0,
505.8,      505.8,      0.0);
( 472601.3, 3751352.0,    505.3,    505.3,    0.0);      ( 472606.8, 3751367.3,
504.3,      504.3,      0.0);
( 472607.6, 3751396.4,    504.2,    504.2,    0.0);      ( 472608.5, 3751432.1,
505.0,      505.0,      0.0);
( 472608.9, 3751462.6,    504.4,    504.4,    0.0);      ( 472609.5, 3751497.1,
505.0,      505.0,      0.0);
( 472610.7, 3751553.8,    505.4,    505.4,    0.0);      ( 472666.0, 3751554.0,
501.3,      501.3,      0.0);
( 472690.4, 3751553.6,    499.8,    499.8,    0.0);      ( 472713.5, 3751554.3,
499.2,      499.2,      0.0);
( 472734.6, 3751554.0,    497.9,    497.9,    0.0);      ( 472759.5, 3751554.0,
496.2,      496.2,      0.0);
( 472781.8, 3751554.5,    494.9,    499.0,    0.0);      ( 472849.8, 3751556.1,
495.4,      495.4,      0.0);
( 472871.8, 3751556.1,    494.9,    494.9,    0.0);      ( 472895.2, 3751555.6,
494.2,      494.2,      0.0);
( 472922.6, 3751555.9,    493.8,    493.8,    0.0);      ( 473092.4, 3751802.3,
486.1,      486.1,      0.0);
( 473204.8, 3751856.8,    481.6,    481.6,    0.0);      ( 472991.2, 3752083.3,
484.1,      484.1,      0.0);
( 473295.1, 3752052.5,    478.7,    478.7,    0.0);      ( 473356.8, 3752050.3,
476.8,      476.8,      0.0);
( 473495.1, 3751996.6,    476.0,    476.0,    0.0);      ( 473486.5, 3751917.7,
475.8,      475.8,      0.0);
( 473392.6, 3752058.2,    475.9,    475.9,    0.0);      ( 473464.3, 3752082.6,
475.2,      475.2,      0.0);
( 473550.3, 3752087.6,    473.0,    473.0,    0.0);      ( 473584.7, 3752089.8,
473.0,      473.0,      0.0);
( 472765.6, 3752474.1,    477.2,    495.0,    0.0);      ( 470432.2, 3750483.9,
532.6,      532.6,      0.0);
( 469244.1, 3754182.8,    471.3,    485.0,    0.0);      ( 469596.8, 3750785.6,
493.4,      493.4,      0.0);
( 470466.5, 3750530.3,    535.0,    535.0,    0.0);      ( 469319.3, 3749244.5,

```



Surface station no.: 3171

Upper air station no.: 3190

Name: UNKNOWN

Name:

UNKNOWN

Year: 2012

Year: 2012

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O	LEN	Z0	BOWEN	ALBEDO	REF	WS
WD	HT	REF	TA	HT													
12	01	01	1	01	-25.6	0.266	-9.000	-9.000	-999.	330.	77.9	0.15	2.40	1.00	2.93		
55.	10.1	288.1		2.0													
12	01	01	1	02	-26.8	0.277	-9.000	-9.000	-999.	351.	84.7	0.15	2.40	1.00	3.05		
55.	10.1	287.0		2.0													
12	01	01	1	03	-21.5	0.221	-9.000	-9.000	-999.	250.	53.5	0.15	2.40	1.00	2.45		
74.	10.1	284.2		2.0													
12	01	01	1	04	-22.0	0.227	-9.000	-9.000	-999.	260.	56.8	0.15	2.40	1.00	2.52		
77.	10.1	285.9		2.0													
12	01	01	1	05	-20.0	0.206	-9.000	-9.000	-999.	225.	46.8	0.15	2.40	1.00	2.30		
80.	10.1	285.4		2.0													
12	01	01	1	06	-14.4	0.171	-9.000	-9.000	-999.	170.	32.1	0.15	2.40	1.00	1.93		
79.	10.1	287.0		2.0													
12	01	01	1	07	-14.9	0.174	-9.000	-9.000	-999.	174.	33.2	0.15	2.40	1.00	1.96		
77.	10.1	284.2		2.0													
12	01	01	1	08	-11.9	0.169	-9.000	-9.000	-999.	167.	36.1	0.15	2.40	0.53	1.89		
77.	10.1	288.1		2.0													
12	01	01	1	09	40.4	0.234	0.359	0.006	40.	272.	-28.1	0.15	2.40	0.31	2.10		
81.	10.1	289.2		2.0													
12	01	01	1	10	112.6	0.246	0.742	0.005	129.	293.	-11.8	0.15	2.40	0.24	1.99		
101.	10.1	296.4		2.0													
12	01	01	1	11	161.0	0.402	1.188	0.005	369.	611.	-35.6	0.15	2.40	0.21	3.68		
78.	10.1	298.8		2.0													
12	01	01	1	12	184.7	0.337	1.516	0.005	668.	473.	-18.4	0.15	2.40	0.20	2.89		
68.	10.1	300.4		2.0													
12	01	01	1	13	183.9	0.310	1.809	0.005	1139.	414.	-14.2	0.15	2.40	0.20	2.57		
64.	10.1	302.5		2.0													
12	01	01	1	14	156.6	0.374	1.852	0.005	1434.	549.	-29.5	0.15	2.40	0.22	3.37		
63.	10.1	303.1		2.0													
12	01	01	1	15	104.3	0.382	1.658	0.005	1546.	567.	-47.2	0.15	2.40	0.25	3.59		
62.	10.1	302.5		2.0													
12	01	01	1	16	31.8	0.374	1.123	0.005	1573.	550.	-145.8	0.15	2.40	0.34	3.76		
69.	10.1	300.9		2.0													
12	01	01	1	17	-23.3	0.276	-9.000	-9.000	-999.	354.	84.0	0.15	2.40	0.62	3.03		
59.	10.1	297.5		2.0													
12	01	01	1	18	-21.5	0.229	-9.000	-9.000	-999.	264.	57.8	0.15	2.40	1.00	2.54		
54.	10.1	295.4		2.0													
12	01	01	1	19	-19.3	0.204	-9.000	-9.000	-999.	221.	45.6	0.15	2.40	1.00	2.27		
79.	10.1	292.0		2.0													
12	01	01	1	20	-20.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.15	2.40	1.00	2.42		
79.	10.1	292.5		2.0													
12	01	01	1	21	-19.7	0.206	-9.000	-9.000	-999.	225.	46.9	0.15	2.40	1.00	2.30		
95.	10.1	290.9		2.0													
12	01	01	1	22	-17.6	0.190	-9.000	-9.000	-999.	199.	39.8	0.15	2.40	1.00	2.13		
78.	10.1	290.4		2.0													
12	01	01	1	23	-20.3	0.211	-9.000	-9.000	-999.	233.	49.0	0.15	2.40	1.00	2.35		
52.	10.1	289.2		2.0													
12	01	01	1	24	-16.4	0.183	-9.000	-9.000	-999.	189.	37.0	0.15	2.40	1.00	2.06		
75.	10.1	288.8		2.0													

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.1	1	55.	2.93	288.2	99.0	-99.00	-99.00

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



470980.06	3752499.76	0.00059	470980.22
3752479.85	0.00070		
470980.39	3752459.44	0.00084	470980.22
3752433.22	0.00102		
470980.06	3752404.02	0.00117	470927.12
3752402.69	0.00063		
470907.87	3752402.69	0.00054	470887.30
3752402.69	0.00047		
470869.71	3752402.03	0.00042	470849.63
3752401.86	0.00038		
470829.39	3752402.19	0.00034	470811.63
3752402.19	0.00031		
470791.55	3752402.53	0.00029	470773.63
3752401.86	0.00027		
470749.24	3752402.19	0.00025	470727.72
3752391.74	0.00024		
470733.04	3752338.97	0.00026	470733.70
3752320.55	0.00027		
470734.20	3752291.01	0.00028	470733.20
3752265.78	0.00029		
470732.87	3752218.81	0.00031	470732.54
3752182.14	0.00032		
470732.37	3752145.29	0.00034	470692.38
3752144.80	0.00029		
470670.14	3752144.46	0.00027	470651.72
3752144.30	0.00026		
470633.46	3752144.13	0.00025	470615.54
3752143.97	0.00023		
470595.95	3752143.30	0.00022	470577.03
3752143.47	0.00021		
470553.63	3752143.47	0.00020	470528.57
3752142.64	0.00019		
470507.99	3752142.80	0.00018	470485.59
3752142.47	0.00017		
470471.60	3752131.63	0.00017	470471.60
3752109.21	0.00017		
470471.32	3752085.22	0.00017	470471.46
3752037.68	0.00018		
470471.74	3752013.00	0.00018	470470.89
3751987.18	0.00019		
470470.89	3751965.74	0.00019	470470.75
3751944.44	0.00019		

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 60

\*\*\* 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	, VOL18	,
VOL19	, VOL20	, VOL21	,		
VOL22	, VOL23	, VOL24	, VOL25	, VOL26	,
VOL27	, VOL28	, . . .	,		

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


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

\*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
470470.61	3751924.27	0.00019	470470.47	
3751905.93	0.00019			
470470.89	3751884.06	0.00020	470470.61	
3751864.03	0.00020			
470470.33	3751844.00	0.00020	470470.19	
3751824.53	0.00020			
470470.33	3751805.77	0.00020	470470.33	
3751788.00	0.00020			
470470.33	3751761.19	0.00021	470471.03	
3751741.87	0.00021			
470470.05	3751722.82	0.00021	470470.19	
3751703.36	0.00021			
470470.19	3751683.75	0.00021	470470.33	
3751664.28	0.00021			
470470.33	3751642.41	0.00021	470470.47	
3751621.82	0.00021			
470470.19	3751599.81	0.00021	470470.61	
3751578.79	0.00021			
470469.62	3751555.94	0.00021	470470.05	
3751512.49	0.00021			
470468.64	3751414.59	0.00020	470469.76	
3751385.25	0.00020			
470468.65	3751358.95	0.00020	470462.93	
3751325.56	0.00019			
470461.98	3751310.62	0.00019	470462.61	
3751296.63	0.00019			
470462.61	3751283.28	0.00019	470462.61	
3751269.92	0.00019			
470462.93	3751254.35	0.00019	470461.98	
3751240.67	0.00019			
470463.25	3751227.64	0.00018	470756.39	
3751290.59	0.00038			
470797.72	3751268.33	0.00041	470891.19	
3751226.38	0.00050			
470940.78	3751191.82	0.00053	471000.61	
3750923.63	0.00030			
471029.26	3750923.63	0.00031	471056.29	
3750923.90	0.00032			
471077.91	3750924.44	0.00033	471097.64	
3750924.44	0.00033			
471118.18	3750924.98	0.00034	471138.99	
3750927.42	0.00034			
471160.07	3750928.77	0.00035	471181.15	
3750931.47	0.00035			
471201.69	3750930.93	0.00035	471222.50	
3750931.47	0.00035			
471244.13	3750931.20	0.00035	471264.40	
3750931.74	0.00034			
471284.40	3750931.74	0.00034	471305.75	
3750931.74	0.00034			
471324.67	3750930.93	0.00033	471343.05	
3750930.12	0.00033			
471363.86	3750929.04	0.00032	471381.96	
3750928.77	0.00032			
471400.88	3750928.23	0.00031	471421.15	
3750927.96	0.00031			
471440.59	3750928.11	0.00030	471461.83	
3750927.45	0.00030			
471479.76	3750927.95	0.00029	471499.68	
3750927.62	0.00029			
471519.26	3750928.78	0.00028	471537.02	
3750929.61	0.00027			



471556.77	3750930.94	0.00027	471580.68
3750934.09	0.00026		
471624.00	3750940.23	0.00025	471795.90
3750950.11	0.00022		
471796.29	3750967.88	0.00023	471796.69
3750987.22	0.00025		
471797.47	3751006.75	0.00028	471796.69
3751025.30	0.00030		
471795.90	3751046.40	0.00034	471796.69
3751072.96	0.00038		
471797.47	3751143.85	0.00057	471833.01
3751143.85	0.00055		
471867.38	3751144.05	0.00053	471891.02
3751144.44	0.00052		
471916.60	3751144.24	0.00050	471939.45
3751144.24	0.00049		
471963.08	3751144.44	0.00048	471984.17
3751144.05	0.00047		

 \*\*\* AERMOD - VERSION 22112 \*\*\*    \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\*    10/07/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*    \*\*\*    16:59:49

PAGE 61

\*\*\* MODELOPTs:    RegDFAULT    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            , VOL18            ,  
 VOL19            , VOL20            , VOL21            ,  
 VOL22            , VOL23            , VOL24            , VOL25            , VOL26            ,  
 VOL27            , VOL28            , . . .            ,

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

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			

471999.02	3751163.38	0.00050	472000.19	
3751199.12	0.00056			
471999.80	3751230.56	0.00063	472000.38	
3751251.46	0.00067			
472000.19	3751281.15	0.00074	472001.95	
3751347.94	0.00090			
472036.90	3751348.52	0.00084	472063.07	
3751349.31	0.00080			
472084.56	3751348.33	0.00077	472104.87	
3751348.72	0.00075			
472127.33	3751348.52	0.00072	472150.76	
3751349.70	0.00070			
472171.47	3751349.50	0.00068	472194.12	
3751349.11	0.00066			
472222.63	3751348.72	0.00064	472247.83	
3751349.50	0.00062			
472269.70	3751349.11	0.00060	472290.40	
3751350.28	0.00059			
472313.64	3751350.48	0.00057	472333.76	
3751351.26	0.00056			

472354.85	3751351.26	0.00054	472377.70
3751351.06	0.00053		
472401.72	3751351.06	0.00052	472425.55
3751351.84	0.00050		
472445.67	3751350.67	0.00049	472463.24
3751350.87	0.00048		
472484.14	3751350.87	0.00047	472503.87
3751351.26	0.00046		
472523.79	3751351.26	0.00045	472543.32
3751351.26	0.00044		
472563.24	3751352.24	0.00044	472582.57
3751352.04	0.00043		
472601.32	3751352.04	0.00042	472606.79
3751367.27	0.00043		
472607.57	3751396.37	0.00046	472608.55
3751432.11	0.00049		
472608.94	3751462.58	0.00053	472609.52
3751497.15	0.00057		
472610.70	3751553.78	0.00066	472665.97
3751553.98	0.00063		
472690.38	3751553.59	0.00061	472713.50
3751554.27	0.00059		
472734.64	3751554.04	0.00058	472759.46
3751554.04	0.00056		
472781.75	3751554.50	0.00055	472849.76
3751556.11	0.00051		
472871.82	3751556.11	0.00050	472895.25
3751555.65	0.00048		
472922.60	3751555.88	0.00047	473092.41
3751802.31	0.00083		
473204.80	3751856.81	0.00069	472991.21
3752083.31	0.00077		
473295.12	3752052.49	0.00045	473356.76
3752050.34	0.00041		
473495.10	3751996.58	0.00036	473486.50
3751917.74	0.00038		
473392.60	3752058.22	0.00038	473464.28
3752082.59	0.00033		
473550.29	3752087.61	0.00030	473584.69
3752089.76	0.00028		
472765.59	3752474.09	0.00031	470432.16
3750483.93	0.00010		
469244.06	3754182.82	0.00002	469596.75
3750785.65	0.00007		
470466.55	3750530.27	0.00010	469319.29
3749244.53	0.00004		
469229.64	3749502.19	0.00004	468465.38
3749582.33	0.00003		
471438.37	3750129.76	0.00007	471657.54
3749918.78	0.00005		
471732.91	3749916.52	0.00005	471710.30
3750132.80	0.00006		
471273.89	3750119.77		
0.00008			

**FF** \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\*      10/07/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      16:59:49

PAGE 62

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

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS \*\*\*

NETWORK

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

ALL 1ST HIGHEST VALUE IS 0.00117 AT ( 470980.06, 3752404.02, 506.00,  
506.00, 0.00) DC  
2ND HIGHEST VALUE IS 0.00102 AT ( 470980.22, 3752433.22, 505.45,  
505.45, 0.00) DC  
3RD HIGHEST VALUE IS 0.00094 AT ( 472477.97, 3752183.12, 505.05,  
505.05, 0.00) DC  
4TH HIGHEST VALUE IS 0.00090 AT ( 472001.95, 3751347.94, 536.97,  
536.97, 0.00) DC  
5TH HIGHEST VALUE IS 0.00084 AT ( 472036.90, 3751348.52, 536.60,  
536.60, 0.00) DC  
6TH HIGHEST VALUE IS 0.00084 AT ( 470980.39, 3752459.44, 504.59,  
504.59, 0.00) DC  
7TH HIGHEST VALUE IS 0.00083 AT ( 471816.60, 3752527.08, 500.57,  
513.00, 0.00) DC  
8TH HIGHEST VALUE IS 0.00083 AT ( 473092.41, 3751802.31, 486.05,  
486.05, 0.00) DC  
9TH HIGHEST VALUE IS 0.00082 AT ( 471840.76, 3752529.94, 503.43,  
513.00, 0.00) DC  
10TH HIGHEST VALUE IS 0.00080 AT ( 471896.06, 3752530.90, 503.42,  
513.00, 0.00) DC

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 16:59:49

PAGE 63

\*\*\* 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 1638 Informational Message(s)  
  
A Total of 43848 Hours Were Processed  
A Total of 1039 Calm Hours Identified  
A Total of 599 Missing Hours Identified ( 1.37 Percent)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*  
ME W186 880 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50

ME W187

880

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

\*\*\*\*\*

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

\*\*\*\*\*

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/7/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\14064 Ops.ADI
**

```

```

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

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME ANNUAL
URBANOPT 2189641 Riverside_County
POLLUTID DPM
RUNORNOT RUN
ERRORFIL "14064 Ops.err"

```

```

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

```

```

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

```

```

** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Bldg B Idle N
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.0000559
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 471215.117, 3751821.365, 518.16, 3.49, 4.00
** 471722.155, 3751826.378, 536.07, 3.49, 4.00
** -----

```

LOCATION	VOLUME	X Coord.	Y Coord.	Length	Vertical Dim.
L0007207	471219.412	3751821.407	518.32	8.59	6.99
L0007208	471228.002	3751821.492	518.94	8.59	6.99
L0007209	471236.591	3751821.577	519.57	8.59	6.99
L0007210	471245.181	3751821.662	520.18	8.59	6.99
L0007211	471253.771	3751821.747	521.08	8.59	6.99
L0007212	471262.360	3751821.832	522.26	8.59	6.99
L0007213	471270.950	3751821.917	523.45	8.59	6.99
L0007214	471279.539	3751822.002	524.64	8.59	6.99
L0007215	471288.129	3751822.087	524.46	8.59	6.99
L0007216	471296.718	3751822.172	524.27	8.59	6.99
L0007217	471305.308	3751822.257	524.09	8.59	6.99
L0007218	471313.898	3751822.341	523.97	8.59	6.99
L0007219	471322.487	3751822.426	523.92	8.59	6.99
L0007220	471331.077	3751822.511	523.86	8.59	6.99
L0007221	471339.666	3751822.596	523.80	8.59	6.99
L0007222	471348.256	3751822.681	523.86	8.59	6.99
L0007223	471356.846	3751822.766	523.91	8.59	6.99

LOCATION	VOLUME			
L0007224	471365.435	3751822.851	523.97	
L0007225	471374.025	3751822.936	524.03	
L0007226	471382.614	3751823.021	524.09	
L0007227	471391.204	3751823.106	524.16	
L0007228	471399.793	3751823.191	524.23	
L0007229	471408.383	3751823.276	524.74	
L0007230	471416.973	3751823.361	525.26	
L0007231	471425.562	3751823.446	525.76	
L0007232	471434.152	3751823.530	526.31	
L0007233	471442.741	3751823.615	526.88	
L0007234	471451.331	3751823.700	527.45	
L0007235	471459.920	3751823.785	528.02	
L0007236	471468.510	3751823.870	528.37	
L0007237	471477.100	3751823.955	528.73	
L0007238	471485.689	3751824.040	529.09	
L0007239	471494.279	3751824.125	529.52	
L0007240	471502.868	3751824.210	530.03	
L0007241	471511.458	3751824.295	530.53	
L0007242	471520.048	3751824.380	531.04	
L0007243	471528.637	3751824.465	531.68	
L0007244	471537.227	3751824.550	532.33	
L0007245	471545.816	3751824.634	532.98	
L0007246	471554.406	3751824.719	533.47	
L0007247	471562.995	3751824.804	533.84	
L0007248	471571.585	3751824.889	534.21	
L0007249	471580.175	3751824.974	534.57	
L0007250	471588.764	3751825.059	534.78	
L0007251	471597.354	3751825.144	534.99	
L0007252	471605.943	3751825.229	535.20	
L0007253	471614.533	3751825.314	535.41	
L0007254	471623.123	3751825.399	535.61	
L0007255	471631.712	3751825.484	535.82	
L0007256	471640.302	3751825.569	536.00	
L0007257	471648.891	3751825.654	536.00	
L0007258	471657.481	3751825.739	536.00	
L0007259	471666.070	3751825.823	536.00	
L0007260	471674.660	3751825.908	536.00	
L0007261	471683.250	3751825.993	536.00	
L0007262	471691.839	3751826.078	536.00	
L0007263	471700.429	3751826.163	536.00	
L0007264	471709.018	3751826.248	536.00	
L0007265	471717.608	3751826.333	536.00	

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

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC Bldg B Idle E

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000559

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471731.500, 3751810.802, 536.04, 3.49, 4.00

\*\* 471733.935, 3751617.224, 533.91, 3.49, 4.00

\*\* -----

LOCATION L0007266	VOLUME 471731.554	3751806.507	536.07	
LOCATION L0007267	VOLUME 471731.662	3751797.918	536.07	
LOCATION L0007268	VOLUME 471731.770	3751789.328	536.07	
LOCATION L0007269	VOLUME 471731.878	3751780.739	536.06	
LOCATION L0007270	VOLUME 471731.986	3751772.150	536.04	
LOCATION L0007271	VOLUME 471732.094	3751763.560	536.02	
LOCATION L0007272	VOLUME 471732.202	3751754.971	535.95	
LOCATION L0007273	VOLUME 471732.310	3751746.382	535.69	
LOCATION L0007274	VOLUME 471732.418	3751737.793	535.43	

LOCATION	L0007275	VOLUME	471732.527	3751729.203	535.18
LOCATION	L0007276	VOLUME	471732.635	3751720.614	535.10
LOCATION	L0007277	VOLUME	471732.743	3751712.025	535.11
LOCATION	L0007278	VOLUME	471732.851	3751703.435	535.11
LOCATION	L0007279	VOLUME	471732.959	3751694.846	535.11
LOCATION	L0007280	VOLUME	471733.067	3751686.257	535.12
LOCATION	L0007281	VOLUME	471733.175	3751677.667	535.12
LOCATION	L0007282	VOLUME	471733.283	3751669.078	535.12
LOCATION	L0007283	VOLUME	471733.391	3751660.489	534.92
LOCATION	L0007284	VOLUME	471733.499	3751651.899	534.64
LOCATION	L0007285	VOLUME	471733.607	3751643.310	534.36
LOCATION	L0007286	VOLUME	471733.715	3751634.721	534.14
LOCATION	L0007287	VOLUME	471733.823	3751626.131	534.14
LOCATION	L0007288	VOLUME	471733.931	3751617.542	534.15

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Bldg B Idle S

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000559

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471217.858, 3751597.356, 526.24, 3.49, 4.00

\*\* 471724.383, 3751599.262, 533.76, 3.49, 4.00

\*\*

LOCATION	L0007289	VOLUME	471222.153	3751597.372	526.54
LOCATION	L0007290	VOLUME	471230.743	3751597.404	527.31
LOCATION	L0007291	VOLUME	471239.333	3751597.436	528.08
LOCATION	L0007292	VOLUME	471247.923	3751597.469	528.85
LOCATION	L0007293	VOLUME	471256.513	3751597.501	529.23
LOCATION	L0007294	VOLUME	471265.103	3751597.533	529.52
LOCATION	L0007295	VOLUME	471273.693	3751597.566	529.80
LOCATION	L0007296	VOLUME	471282.283	3751597.598	530.22
LOCATION	L0007297	VOLUME	471290.873	3751597.630	530.91
LOCATION	L0007298	VOLUME	471299.463	3751597.663	531.59
LOCATION	L0007299	VOLUME	471308.053	3751597.695	532.28
LOCATION	L0007300	VOLUME	471316.643	3751597.727	533.42
LOCATION	L0007301	VOLUME	471325.233	3751597.760	534.65
LOCATION	L0007302	VOLUME	471333.823	3751597.792	535.89
LOCATION	L0007303	VOLUME	471342.412	3751597.824	536.73
LOCATION	L0007304	VOLUME	471351.002	3751597.857	536.82
LOCATION	L0007305	VOLUME	471359.592	3751597.889	536.90
LOCATION	L0007306	VOLUME	471368.182	3751597.921	536.99
LOCATION	L0007307	VOLUME	471376.772	3751597.954	536.59
LOCATION	L0007308	VOLUME	471385.362	3751597.986	536.10
LOCATION	L0007309	VOLUME	471393.952	3751598.018	535.61
LOCATION	L0007310	VOLUME	471402.542	3751598.051	535.09
LOCATION	L0007311	VOLUME	471411.132	3751598.083	534.51
LOCATION	L0007312	VOLUME	471419.722	3751598.115	533.94
LOCATION	L0007313	VOLUME	471428.312	3751598.148	533.37
LOCATION	L0007314	VOLUME	471436.902	3751598.180	533.04
LOCATION	L0007315	VOLUME	471445.492	3751598.212	532.75
LOCATION	L0007316	VOLUME	471454.082	3751598.245	532.46
LOCATION	L0007317	VOLUME	471462.672	3751598.277	532.07
LOCATION	L0007318	VOLUME	471471.262	3751598.309	531.50
LOCATION	L0007319	VOLUME	471479.851	3751598.342	530.92
LOCATION	L0007320	VOLUME	471488.441	3751598.374	530.35
LOCATION	L0007321	VOLUME	471497.031	3751598.406	530.27
LOCATION	L0007322	VOLUME	471505.621	3751598.439	530.27
LOCATION	L0007323	VOLUME	471514.211	3751598.471	530.27
LOCATION	L0007324	VOLUME	471522.801	3751598.503	530.16
LOCATION	L0007325	VOLUME	471531.391	3751598.536	529.88

LOCATION L0007326	VOLUME	471539.981	3751598.568	529.59
LOCATION L0007327	VOLUME	471548.571	3751598.600	529.30
LOCATION L0007328	VOLUME	471557.161	3751598.633	529.27
LOCATION L0007329	VOLUME	471565.751	3751598.665	529.27
LOCATION L0007330	VOLUME	471574.341	3751598.697	529.27
LOCATION L0007331	VOLUME	471582.931	3751598.730	529.32
LOCATION L0007332	VOLUME	471591.521	3751598.762	529.45
LOCATION L0007333	VOLUME	471600.111	3751598.794	529.59
LOCATION L0007334	VOLUME	471608.701	3751598.827	529.73
LOCATION L0007335	VOLUME	471617.291	3751598.859	529.74
LOCATION L0007336	VOLUME	471625.880	3751598.891	529.74
LOCATION L0007337	VOLUME	471634.470	3751598.924	529.74
LOCATION L0007338	VOLUME	471643.060	3751598.956	529.83
LOCATION L0007339	VOLUME	471651.650	3751598.988	530.04
LOCATION L0007340	VOLUME	471660.240	3751599.021	530.26
LOCATION L0007341	VOLUME	471668.830	3751599.053	530.48
LOCATION L0007342	VOLUME	471677.420	3751599.085	530.82
LOCATION L0007343	VOLUME	471686.010	3751599.118	531.18
LOCATION L0007344	VOLUME	471694.600	3751599.150	531.54
LOCATION L0007345	VOLUME	471703.190	3751599.182	531.99
LOCATION L0007346	VOLUME	471711.780	3751599.215	532.57
LOCATION L0007347	VOLUME	471720.370	3751599.247	533.14

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC Bldg A Idle N

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00006414

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471251.147, 3752185.400, 518.98, 3.49, 4.00

\*\* 471719.138, 3752190.238, 525.15, 3.49, 4.00

\*\*

LOCATION L0007348	VOLUME	471255.441	3752185.444	518.71
LOCATION L0007349	VOLUME	471264.031	3752185.533	518.70
LOCATION L0007350	VOLUME	471272.621	3752185.622	518.70
LOCATION L0007351	VOLUME	471281.210	3752185.711	518.79
LOCATION L0007352	VOLUME	471289.800	3752185.799	519.27
LOCATION L0007353	VOLUME	471298.389	3752185.888	519.75
LOCATION L0007354	VOLUME	471306.979	3752185.977	520.23
LOCATION L0007355	VOLUME	471315.568	3752186.066	520.71
LOCATION L0007356	VOLUME	471324.158	3752186.155	521.19
LOCATION L0007357	VOLUME	471332.747	3752186.243	521.66
LOCATION L0007358	VOLUME	471341.337	3752186.332	522.11
LOCATION L0007359	VOLUME	471349.926	3752186.421	522.48
LOCATION L0007360	VOLUME	471358.516	3752186.510	522.85
LOCATION L0007361	VOLUME	471367.105	3752186.599	523.23
LOCATION L0007362	VOLUME	471375.695	3752186.687	523.54
LOCATION L0007363	VOLUME	471384.285	3752186.776	523.82
LOCATION L0007364	VOLUME	471392.874	3752186.865	524.10
LOCATION L0007365	VOLUME	471401.464	3752186.954	524.44
LOCATION L0007366	VOLUME	471410.053	3752187.043	525.01
LOCATION L0007367	VOLUME	471418.643	3752187.131	525.57
LOCATION L0007368	VOLUME	471427.232	3752187.220	526.14
LOCATION L0007369	VOLUME	471435.822	3752187.309	526.63
LOCATION L0007370	VOLUME	471444.411	3752187.398	527.10
LOCATION L0007371	VOLUME	471453.001	3752187.487	527.56
LOCATION L0007372	VOLUME	471461.590	3752187.575	527.93
LOCATION L0007373	VOLUME	471470.180	3752187.664	527.99
LOCATION L0007374	VOLUME	471478.769	3752187.753	528.05
LOCATION L0007375	VOLUME	471487.359	3752187.842	528.11
LOCATION L0007376	VOLUME	471495.949	3752187.931	528.20



LOCATION	VOLUME				
LOCATION L0007377	VOLUME	471504.538	3752188.019	528.29	
LOCATION L0007378	VOLUME	471513.128	3752188.108	528.39	
LOCATION L0007379	VOLUME	471521.717	3752188.197	528.37	
LOCATION L0007380	VOLUME	471530.307	3752188.286	528.01	
LOCATION L0007381	VOLUME	471538.896	3752188.375	527.65	
LOCATION L0007382	VOLUME	471547.486	3752188.463	527.30	
LOCATION L0007383	VOLUME	471556.075	3752188.552	526.77	
LOCATION L0007384	VOLUME	471564.665	3752188.641	526.19	
LOCATION L0007385	VOLUME	471573.254	3752188.730	525.61	
LOCATION L0007386	VOLUME	471581.844	3752188.819	525.26	
LOCATION L0007387	VOLUME	471590.434	3752188.907	525.54	
LOCATION L0007388	VOLUME	471599.023	3752188.996	525.82	
LOCATION L0007389	VOLUME	471607.613	3752189.085	526.11	
LOCATION L0007390	VOLUME	471616.202	3752189.174	526.26	
LOCATION L0007391	VOLUME	471624.792	3752189.263	526.37	
LOCATION L0007392	VOLUME	471633.381	3752189.351	526.49	
LOCATION L0007393	VOLUME	471641.971	3752189.440	526.57	
LOCATION L0007394	VOLUME	471650.560	3752189.529	526.57	
LOCATION L0007395	VOLUME	471659.150	3752189.618	526.57	
LOCATION L0007396	VOLUME	471667.739	3752189.707	526.56	
LOCATION L0007397	VOLUME	471676.329	3752189.795	526.43	
LOCATION L0007398	VOLUME	471684.918	3752189.884	526.27	
LOCATION L0007399	VOLUME	471693.508	3752189.973	526.11	
LOCATION L0007400	VOLUME	471702.098	3752190.062	525.83	
LOCATION L0007401	VOLUME	471710.687	3752190.151	525.26	

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC Bldg A Idle S

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00006414

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471252.466, 3751968.998, 522.95, 3.49, 4.00

\*\* 471720.018, 3751974.716, 531.23, 3.49, 4.00

\*\*

LOCATION L0007402	VOLUME	471256.761	3751969.050	522.36	
LOCATION L0007403	VOLUME	471265.350	3751969.155	521.87	
LOCATION L0007404	VOLUME	471273.940	3751969.260	521.40	
LOCATION L0007405	VOLUME	471282.529	3751969.365	521.19	
LOCATION L0007406	VOLUME	471291.118	3751969.470	521.48	
LOCATION L0007407	VOLUME	471299.708	3751969.575	521.77	
LOCATION L0007408	VOLUME	471308.297	3751969.680	522.06	
LOCATION L0007409	VOLUME	471316.886	3751969.785	522.35	
LOCATION L0007410	VOLUME	471325.476	3751969.891	522.64	
LOCATION L0007411	VOLUME	471334.065	3751969.996	522.93	
LOCATION L0007412	VOLUME	471342.654	3751970.101	523.23	
LOCATION L0007413	VOLUME	471351.244	3751970.206	523.55	
LOCATION L0007414	VOLUME	471359.833	3751970.311	523.88	
LOCATION L0007415	VOLUME	471368.423	3751970.416	524.21	
LOCATION L0007416	VOLUME	471377.012	3751970.521	525.00	
LOCATION L0007417	VOLUME	471385.601	3751970.626	525.87	
LOCATION L0007418	VOLUME	471394.191	3751970.731	526.74	
LOCATION L0007419	VOLUME	471402.780	3751970.836	527.39	
LOCATION L0007420	VOLUME	471411.369	3751970.941	527.68	
LOCATION L0007421	VOLUME	471419.959	3751971.046	527.97	
LOCATION L0007422	VOLUME	471428.548	3751971.151	528.27	
LOCATION L0007423	VOLUME	471437.137	3751971.256	528.74	
LOCATION L0007424	VOLUME	471445.727	3751971.361	529.22	
LOCATION L0007425	VOLUME	471454.316	3751971.466	529.71	
LOCATION L0007426	VOLUME	471462.905	3751971.571	530.09	
LOCATION L0007427	VOLUME	471471.495	3751971.676	530.33	

LOCATION	VOLUME				
L0007428	471480.084	3751971.781	530.57		
L0007429	471488.674	3751971.886	530.80		
L0007430	471497.263	3751971.991	531.03		
L0007431	471505.852	3751972.096	531.26		
L0007432	471514.442	3751972.201	531.49		
L0007433	471523.031	3751972.307	531.90		
L0007434	471531.620	3751972.412	532.57		
L0007435	471540.210	3751972.517	533.25		
L0007436	471548.799	3751972.622	533.94		
L0007437	471557.388	3751972.727	534.52		
L0007438	471565.978	3751972.832	535.09		
L0007439	471574.567	3751972.937	535.67		
L0007440	471583.156	3751973.042	536.00		
L0007441	471591.746	3751973.147	536.00		
L0007442	471600.335	3751973.252	536.00		
L0007443	471608.925	3751973.357	536.00		
L0007444	471617.514	3751973.462	535.73		
L0007445	471626.103	3751973.567	535.45		
L0007446	471634.693	3751973.672	535.16		
L0007447	471643.282	3751973.777	534.75		
L0007448	471651.871	3751973.882	534.18		
L0007449	471660.461	3751973.987	533.61		
L0007450	471669.050	3751974.092	533.03		
L0007451	471677.639	3751974.197	532.73		
L0007452	471686.229	3751974.302	532.44		
L0007453	471694.818	3751974.407	532.16		
L0007454	471703.407	3751974.512	531.84		
L0007455	471711.997	3751974.617	531.48		

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE6

\*\* DESCRSRC Bldg C Idle W

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00003622

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471844.958, 3752167.382, 521.40, 3.49, 4.00

\*\* 471846.645, 3751987.702, 534.85, 3.49, 4.00

\*\*

LOCATION	VOLUME				
L0007456	471844.998	3752163.087	522.13		
L0007457	471845.078	3752154.498	522.95		
L0007458	471845.159	3752145.908	523.76		
L0007459	471845.240	3752137.319	524.38		
L0007460	471845.320	3752128.729	524.99		
L0007461	471845.401	3752120.139	525.61		
L0007462	471845.482	3752111.550	526.18		
L0007463	471845.562	3752102.960	526.72		
L0007464	471845.643	3752094.370	527.26		
L0007465	471845.724	3752085.781	527.80		
L0007466	471845.804	3752077.191	528.34		
L0007467	471845.885	3752068.602	528.88		
L0007468	471845.966	3752060.012	529.43		
L0007469	471846.046	3752051.422	529.97		
L0007470	471846.127	3752042.833	530.52		
L0007471	471846.208	3752034.243	531.07		
L0007472	471846.288	3752025.654	531.66		
L0007473	471846.369	3752017.064	532.50		
L0007474	471846.450	3752008.474	533.34		
L0007475	471846.530	3751999.885	534.18		
L0007476	471846.611	3751991.295	534.70		

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE7  
\*\* DESCRSRC Bldg D Idle  
\*\* PREFIX  
\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 7.388E-06  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 471848.332, 3751808.021, 538.89, 3.49, 4.00  
\*\* 471849.175, 3751696.670, 539.00, 3.49, 4.00

-----  
LOCATION L0007477        VOLUME    471848.364 3751803.726 538.96  
LOCATION L0007478        VOLUME    471848.429 3751795.136 538.96  
LOCATION L0007479        VOLUME    471848.494 3751786.547 538.96  
LOCATION L0007480        VOLUME    471848.560 3751777.957 538.97  
LOCATION L0007481        VOLUME    471848.625 3751769.367 538.97  
LOCATION L0007482        VOLUME    471848.690 3751760.777 538.97  
LOCATION L0007483        VOLUME    471848.755 3751752.188 538.97  
LOCATION L0007484        VOLUME    471848.820 3751743.598 538.98  
LOCATION L0007485        VOLUME    471848.885 3751735.008 538.98  
LOCATION L0007486        VOLUME    471848.950 3751726.418 538.98  
LOCATION L0007487        VOLUME    471849.015 3751717.829 538.98  
LOCATION L0007488        VOLUME    471849.080 3751709.239 538.98  
LOCATION L0007489        VOLUME    471849.145 3751700.649 538.99

\*\* End of LINE VOLUME Source ID = SLINE7

-----  
\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE8  
\*\* DESCRSRC Bldg E Idle  
\*\* PREFIX  
\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 9.235E-06  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 471495.234, 3751418.628, 533.74, 3.49, 4.00  
\*\* 471496.921, 3751256.648, 527.16, 3.49, 4.00

-----  
LOCATION L0007490        VOLUME    471495.278 3751414.333 533.29  
LOCATION L0007491        VOLUME    471495.368 3751405.744 533.05  
LOCATION L0007492        VOLUME    471495.457 3751397.154 532.82  
LOCATION L0007493        VOLUME    471495.547 3751388.565 532.26  
LOCATION L0007494        VOLUME    471495.636 3751379.975 531.69  
LOCATION L0007495        VOLUME    471495.726 3751371.386 531.11  
LOCATION L0007496        VOLUME    471495.815 3751362.796 530.66  
LOCATION L0007497        VOLUME    471495.905 3751354.206 530.37  
LOCATION L0007498        VOLUME    471495.994 3751345.617 530.08  
LOCATION L0007499        VOLUME    471496.084 3751337.027 529.79  
LOCATION L0007500        VOLUME    471496.173 3751328.438 529.35  
LOCATION L0007501        VOLUME    471496.263 3751319.848 528.91  
LOCATION L0007502        VOLUME    471496.352 3751311.259 528.46  
LOCATION L0007503        VOLUME    471496.442 3751302.669 528.23  
LOCATION L0007504        VOLUME    471496.531 3751294.080 528.23  
LOCATION L0007505        VOLUME    471496.621 3751285.490 528.24  
LOCATION L0007506        VOLUME    471496.710 3751276.901 528.24  
LOCATION L0007507        VOLUME    471496.799 3751268.311 527.96  
LOCATION L0007508        VOLUME    471496.889 3751259.722 527.68

\*\* End of LINE VOLUME Source ID = SLINE8

-----  
\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE9  
\*\* DESCRSRC Bldg F Idle  
\*\* PREFIX

\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 9.235E-06  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 471394.840, 3751418.628, 536.93, 3.49, 4.00  
\*\* 471396.527, 3751256.648, 524.17, 3.49, 4.00

-----  
LOCATION L0007509        VOLUME    471394.884 3751414.333 536.74  
LOCATION L0007510        VOLUME    471394.974 3751405.744 536.46  
LOCATION L0007511        VOLUME    471395.063 3751397.154 536.17  
LOCATION L0007512        VOLUME    471395.153 3751388.565 535.57  
LOCATION L0007513        VOLUME    471395.242 3751379.975 534.95  
LOCATION L0007514        VOLUME    471395.332 3751371.386 534.34  
LOCATION L0007515        VOLUME    471395.421 3751362.796 533.49  
LOCATION L0007516        VOLUME    471395.511 3751354.206 532.34  
LOCATION L0007517        VOLUME    471395.600 3751345.617 531.19  
LOCATION L0007518        VOLUME    471395.690 3751337.027 530.05  
LOCATION L0007519        VOLUME    471395.779 3751328.438 529.45  
LOCATION L0007520        VOLUME    471395.869 3751319.848 528.88  
LOCATION L0007521        VOLUME    471395.958 3751311.259 528.31  
LOCATION L0007522        VOLUME    471396.048 3751302.669 527.73  
LOCATION L0007523        VOLUME    471396.137 3751294.080 527.16  
LOCATION L0007524        VOLUME    471396.226 3751285.490 526.59  
LOCATION L0007525        VOLUME    471396.316 3751276.901 526.02  
LOCATION L0007526        VOLUME    471396.405 3751268.311 525.47  
LOCATION L0007527        VOLUME    471396.495 3751259.722 524.93

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

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

\*\* LINE VOLUME Source ID = SLINE10

\*\* DESCRSRC Bldg G Idle

\*\* PREFIX

\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 9.235E-06  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 2

\*\* 471156.087, 3752325.549, 512.95, 3.49, 4.00  
\*\* 471266.605, 3752327.237, 512.60, 3.49, 4.00

-----  
LOCATION L0007528        VOLUME    471160.382 3752325.615 512.97  
LOCATION L0007529        VOLUME    471168.971 3752325.746 512.99  
LOCATION L0007530        VOLUME    471177.560 3752325.877 513.01  
LOCATION L0007531        VOLUME    471186.149 3752326.008 513.02  
LOCATION L0007532        VOLUME    471194.738 3752326.140 513.02  
LOCATION L0007533        VOLUME    471203.327 3752326.271 513.01  
LOCATION L0007534        VOLUME    471211.916 3752326.402 513.01  
LOCATION L0007535        VOLUME    471220.505 3752326.533 512.97  
LOCATION L0007536        VOLUME    471229.094 3752326.664 512.68  
LOCATION L0007537        VOLUME    471237.683 3752326.795 512.39  
LOCATION L0007538        VOLUME    471246.272 3752326.926 512.09  
LOCATION L0007539        VOLUME    471254.861 3752327.057 512.15  
LOCATION L0007540        VOLUME    471263.450 3752327.189 512.44

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

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

\*\* LINE VOLUME Source ID = SLINE11

\*\* DESCRSRC Bldg H Idle

\*\* PREFIX

\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 9.235E-06  
\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 471393.152, 3752327.237, 512.28, 3.49, 4.00  
\*\* 471503.670, 3752328.924, 519.82, 3.49, 4.00

-----  
LOCATION L0007541        VOLUME    471397.447 3752327.302 512.14  
LOCATION L0007542        VOLUME    471406.036 3752327.433 512.21  
LOCATION L0007543        VOLUME    471414.625 3752327.565 512.49  
LOCATION L0007544        VOLUME    471423.214 3752327.696 512.76  
LOCATION L0007545        VOLUME    471431.803 3752327.827 513.33  
LOCATION L0007546        VOLUME    471440.392 3752327.958 514.73  
LOCATION L0007547        VOLUME    471448.981 3752328.089 516.13  
LOCATION L0007548        VOLUME    471457.570 3752328.220 517.52  
LOCATION L0007549        VOLUME    471466.159 3752328.351 518.29  
LOCATION L0007550        VOLUME    471474.748 3752328.482 518.89  
LOCATION L0007551        VOLUME    471483.337 3752328.614 519.49  
LOCATION L0007552        VOLUME    471491.926 3752328.745 519.94  
LOCATION L0007553        VOLUME    471500.515 3752328.876 519.95

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

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

\*\* LINE VOLUME Source ID = SLINE12

\*\* DESCRSRC Bldg C Idle E

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00003622

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 472046.003, 3751988.091, 524.61, 3.49, 4.00

\*\* 472044.174, 3752209.964, 521.00, 3.49, 4.00

-----  
LOCATION L0007554        VOLUME    472045.968 3751992.386 524.08  
LOCATION L0007555        VOLUME    472045.897 3752000.975 524.51  
LOCATION L0007556        VOLUME    472045.826 3752009.565 524.81  
LOCATION L0007557        VOLUME    472045.755 3752018.155 525.10  
LOCATION L0007558        VOLUME    472045.684 3752026.744 525.39  
LOCATION L0007559        VOLUME    472045.614 3752035.334 525.40  
LOCATION L0007560        VOLUME    472045.543 3752043.924 525.40  
LOCATION L0007561        VOLUME    472045.472 3752052.513 525.41  
LOCATION L0007562        VOLUME    472045.401 3752061.103 525.50  
LOCATION L0007563        VOLUME    472045.330 3752069.693 525.65  
LOCATION L0007564        VOLUME    472045.260 3752078.283 525.81  
LOCATION L0007565        VOLUME    472045.189 3752086.872 525.96  
LOCATION L0007566        VOLUME    472045.118 3752095.462 525.82  
LOCATION L0007567        VOLUME    472045.047 3752104.052 525.69  
LOCATION L0007568        VOLUME    472044.976 3752112.641 525.55  
LOCATION L0007569        VOLUME    472044.906 3752121.231 525.26  
LOCATION L0007570        VOLUME    472044.835 3752129.821 524.84  
LOCATION L0007571        VOLUME    472044.764 3752138.411 524.41  
LOCATION L0007572        VOLUME    472044.693 3752147.000 523.98  
LOCATION L0007573        VOLUME    472044.623 3752155.590 523.55  
LOCATION L0007574        VOLUME    472044.552 3752164.180 523.12  
LOCATION L0007575        VOLUME    472044.481 3752172.769 522.70  
LOCATION L0007576        VOLUME    472044.410 3752181.359 522.27  
LOCATION L0007577        VOLUME    472044.339 3752189.949 521.84  
LOCATION L0007578        VOLUME    472044.269 3752198.539 521.41  
LOCATION L0007579        VOLUME    472044.198 3752207.128 520.98

\*\* End of LINE VOLUME Source ID = SLINE12

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

\*\* LINE VOLUME Source ID = SLINE13

\*\* DESCRSRC Bldg J Idle

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent  
\*\* Emission Rate = 7.203E-06  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 471627.857, 3752328.825, 518.00, 3.49, 4.00  
\*\* 471724.774, 3752329.434, 518.03, 3.49, 4.00

-----  
LOCATION L0007580      VOLUME    471632.152 3752328.852 517.72  
LOCATION L0007581      VOLUME    471640.742 3752328.906 517.67  
LOCATION L0007582      VOLUME    471649.332 3752328.960 517.99  
LOCATION L0007583      VOLUME    471657.922 3752329.014 518.31  
LOCATION L0007584      VOLUME    471666.512 3752329.068 518.64  
LOCATION L0007585      VOLUME    471675.101 3752329.122 518.58  
LOCATION L0007586      VOLUME    471683.691 3752329.176 518.32  
LOCATION L0007587      VOLUME    471692.281 3752329.230 518.05  
LOCATION L0007588      VOLUME    471700.871 3752329.284 517.82  
LOCATION L0007589      VOLUME    471709.461 3752329.338 517.79  
LOCATION L0007590      VOLUME    471718.051 3752329.392 517.76

\*\* End of LINE VOLUME Source ID = SLINE13

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

\*\* LINE VOLUME Source ID = SLINE14

\*\* DESCRSRC Bldg K Idle

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 9.235E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471873.503, 3752330.653, 515.74, 3.49, 4.00

\*\* 472056.365, 3752331.872, 509.32, 3.49, 4.00

-----  
LOCATION L0007591      VOLUME    471877.798 3752330.682 515.70  
LOCATION L0007592      VOLUME    471886.387 3752330.739 515.86  
LOCATION L0007593      VOLUME    471894.977 3752330.796 515.86  
LOCATION L0007594      VOLUME    471903.567 3752330.854 515.86  
LOCATION L0007595      VOLUME    471912.157 3752330.911 515.77  
LOCATION L0007596      VOLUME    471920.747 3752330.968 515.48  
LOCATION L0007597      VOLUME    471929.336 3752331.025 515.19  
LOCATION L0007598      VOLUME    471937.926 3752331.083 514.91  
LOCATION L0007599      VOLUME    471946.516 3752331.140 515.05  
LOCATION L0007600      VOLUME    471955.106 3752331.197 515.29  
LOCATION L0007601      VOLUME    471963.696 3752331.254 515.53  
LOCATION L0007602      VOLUME    471972.285 3752331.312 515.43  
LOCATION L0007603      VOLUME    471980.875 3752331.369 514.61  
LOCATION L0007604      VOLUME    471989.465 3752331.426 513.80  
LOCATION L0007605      VOLUME    471998.055 3752331.484 512.98  
LOCATION L0007606      VOLUME    472006.645 3752331.541 512.56  
LOCATION L0007607      VOLUME    472015.235 3752331.598 512.23  
LOCATION L0007608      VOLUME    472023.824 3752331.655 511.89  
LOCATION L0007609      VOLUME    472032.414 3752331.713 511.36  
LOCATION L0007610      VOLUME    472041.004 3752331.770 510.45  
LOCATION L0007611      VOLUME    472049.594 3752331.827 509.54

\*\* End of LINE VOLUME Source ID = SLINE14

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

\*\* LINE VOLUME Source ID = SLINE15

\*\* DESCRSRC MU 98k N Idle

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.39E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

```

** Nodes = 2
** 471072.464, 3752159.486, 511.77, 3.49, 4.00
** 471071.658, 3752273.135, 508.16, 3.49, 4.00
** -----
LOCATION L0007612      VOLUME  471072.433 3752163.781 510.49
LOCATION L0007613      VOLUME  471072.372 3752172.371 509.68
LOCATION L0007614      VOLUME  471072.311 3752180.961 509.12
LOCATION L0007615      VOLUME  471072.250 3752189.550 508.80
LOCATION L0007616      VOLUME  471072.189 3752198.140 508.49
LOCATION L0007617      VOLUME  471072.129 3752206.730 508.17
LOCATION L0007618      VOLUME  471072.068 3752215.320 508.43
LOCATION L0007619      VOLUME  471072.007 3752223.910 508.69
LOCATION L0007620      VOLUME  471071.946 3752232.499 508.95
LOCATION L0007621      VOLUME  471071.885 3752241.089 508.95
LOCATION L0007622      VOLUME  471071.824 3752249.679 508.71
LOCATION L0007623      VOLUME  471071.763 3752258.269 508.46
LOCATION L0007624      VOLUME  471071.702 3752266.858 508.21
** End of LINE VOLUME Source ID = SLINE15
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE16
** DESCRSRC MU 77k Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.449E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 471007.982, 3751965.235, 512.00, 3.49, 4.00
** 471030.551, 3752021.657, 514.79, 3.49, 4.00
** -----
LOCATION L0007625      VOLUME  471009.577 3751969.223 512.09
LOCATION L0007626      VOLUME  471012.767 3751977.199 512.46
LOCATION L0007627      VOLUME  471015.958 3751985.174 512.83
LOCATION L0007628      VOLUME  471019.148 3751993.150 513.20
LOCATION L0007629      VOLUME  471022.338 3752001.125 513.58
LOCATION L0007630      VOLUME  471025.528 3752009.101 513.95
LOCATION L0007631      VOLUME  471028.719 3752017.077 514.32
** End of LINE VOLUME Source ID = SLINE16
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE17
** DESCRSRC MU 131k Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 5.868E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 471015.236, 3751733.907, 517.21, 3.49, 4.00
** 471015.236, 3751822.569, 516.68, 3.49, 4.00
** -----
LOCATION L0007632      VOLUME  471015.236 3751738.202 516.73
LOCATION L0007633      VOLUME  471015.236 3751746.792 516.39
LOCATION L0007634      VOLUME  471015.236 3751755.382 516.05
LOCATION L0007635      VOLUME  471015.236 3751763.972 515.91
LOCATION L0007636      VOLUME  471015.236 3751772.562 515.80
LOCATION L0007637      VOLUME  471015.236 3751781.152 515.69
LOCATION L0007638      VOLUME  471015.236 3751789.742 515.68
LOCATION L0007639      VOLUME  471015.236 3751798.332 515.86
LOCATION L0007640      VOLUME  471015.236 3751806.922 516.04
LOCATION L0007641      VOLUME  471015.236 3751815.512 516.22
** End of LINE VOLUME Source ID = SLINE17
** -----

```

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE18

\*\* DESCRSRC MU 98k S Idle

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.39E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471016.042, 3751595.271, 519.80, 3.49, 4.00

\*\* 471016.042, 3751684.740, 519.18, 3.49, 4.00

\*\*

```
-----
LOCATION L0007642    VOLUME  471016.042 3751599.566 520.02
LOCATION L0007643    VOLUME  471016.042 3751608.156 519.70
LOCATION L0007644    VOLUME  471016.042 3751616.746 519.99
LOCATION L0007645    VOLUME  471016.042 3751625.336 520.27
LOCATION L0007646    VOLUME  471016.042 3751633.926 520.56
LOCATION L0007647    VOLUME  471016.042 3751642.516 520.61
LOCATION L0007648    VOLUME  471016.042 3751651.106 520.55
LOCATION L0007649    VOLUME  471016.042 3751659.696 520.48
LOCATION L0007650    VOLUME  471016.042 3751668.286 520.36
LOCATION L0007651    VOLUME  471016.042 3751676.876 519.95
```

\*\* End of LINE VOLUME Source ID = SLINE18

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE19

\*\* DESCRSRC MU 110k Idle

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.927E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471161.126, 3751442.127, 525.48, 3.49, 4.00

\*\* 471161.126, 3751322.836, 523.77, 3.49, 4.00

\*\*

```
-----
LOCATION L0007652    VOLUME  471161.126 3751437.832 525.41
LOCATION L0007653    VOLUME  471161.126 3751429.242 525.13
LOCATION L0007654    VOLUME  471161.126 3751420.652 524.86
LOCATION L0007655    VOLUME  471161.126 3751412.062 524.59
LOCATION L0007656    VOLUME  471161.126 3751403.472 524.32
LOCATION L0007657    VOLUME  471161.126 3751394.882 524.16
LOCATION L0007658    VOLUME  471161.126 3751386.292 524.43
LOCATION L0007659    VOLUME  471161.126 3751377.702 524.70
LOCATION L0007660    VOLUME  471161.126 3751369.112 524.98
LOCATION L0007661    VOLUME  471161.126 3751360.522 524.86
LOCATION L0007662    VOLUME  471161.126 3751351.932 524.59
LOCATION L0007663    VOLUME  471161.126 3751343.342 524.32
LOCATION L0007664    VOLUME  471161.126 3751334.752 524.04
LOCATION L0007665    VOLUME  471161.126 3751326.162 523.76
```

\*\* End of LINE VOLUME Source ID = SLINE19

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE20

\*\* DESCRSRC Cactus 40%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00004011

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471783.009, 3751890.344, 534.89, 3.49, 6.51

\*\* 471064.829, 3751884.263, 512.97, 3.49, 6.51



\*\*

LOCATION	L0007666	VOLUME	471776.009	3751890.284	534.88
LOCATION	L0007667	VOLUME	471762.010	3751890.166	534.68
LOCATION	L0007668	VOLUME	471748.010	3751890.047	535.18
LOCATION	L0007669	VOLUME	471734.011	3751889.929	535.80
LOCATION	L0007670	VOLUME	471720.011	3751889.810	536.00
LOCATION	L0007671	VOLUME	471706.012	3751889.692	536.00
LOCATION	L0007672	VOLUME	471692.012	3751889.573	536.00
LOCATION	L0007673	VOLUME	471678.013	3751889.455	536.00
LOCATION	L0007674	VOLUME	471664.013	3751889.336	536.00
LOCATION	L0007675	VOLUME	471650.014	3751889.218	536.00
LOCATION	L0007676	VOLUME	471636.014	3751889.099	536.00
LOCATION	L0007677	VOLUME	471622.015	3751888.981	536.00
LOCATION	L0007678	VOLUME	471608.015	3751888.862	536.00
LOCATION	L0007679	VOLUME	471594.016	3751888.744	536.00
LOCATION	L0007680	VOLUME	471580.016	3751888.625	536.00
LOCATION	L0007681	VOLUME	471566.017	3751888.507	535.37
LOCATION	L0007682	VOLUME	471552.017	3751888.388	534.72
LOCATION	L0007683	VOLUME	471538.018	3751888.270	533.61
LOCATION	L0007684	VOLUME	471524.018	3751888.151	532.39
LOCATION	L0007685	VOLUME	471510.019	3751888.032	531.48
LOCATION	L0007686	VOLUME	471496.020	3751887.914	530.73
LOCATION	L0007687	VOLUME	471482.020	3751887.795	529.87
LOCATION	L0007688	VOLUME	471468.021	3751887.677	528.93
LOCATION	L0007689	VOLUME	471454.021	3751887.558	528.18
LOCATION	L0007690	VOLUME	471440.022	3751887.440	527.71
LOCATION	L0007691	VOLUME	471426.022	3751887.321	527.08
LOCATION	L0007692	VOLUME	471412.023	3751887.203	525.98
LOCATION	L0007693	VOLUME	471398.023	3751887.084	524.95
LOCATION	L0007694	VOLUME	471384.024	3751886.966	524.48
LOCATION	L0007695	VOLUME	471370.024	3751886.847	524.02
LOCATION	L0007696	VOLUME	471356.025	3751886.729	523.55
LOCATION	L0007697	VOLUME	471342.025	3751886.610	523.08
LOCATION	L0007698	VOLUME	471328.026	3751886.492	522.87
LOCATION	L0007699	VOLUME	471314.026	3751886.373	522.72
LOCATION	L0007700	VOLUME	471300.027	3751886.255	522.67
LOCATION	L0007701	VOLUME	471286.027	3751886.136	522.64
LOCATION	L0007702	VOLUME	471272.028	3751886.018	522.97
LOCATION	L0007703	VOLUME	471258.028	3751885.899	523.61
LOCATION	L0007704	VOLUME	471244.029	3751885.781	524.18
LOCATION	L0007705	VOLUME	471230.029	3751885.662	524.65
LOCATION	L0007706	VOLUME	471216.030	3751885.544	525.00
LOCATION	L0007707	VOLUME	471202.030	3751885.425	525.00
LOCATION	L0007708	VOLUME	471188.031	3751885.306	524.95
LOCATION	L0007709	VOLUME	471174.031	3751885.188	524.48
LOCATION	L0007710	VOLUME	471160.032	3751885.069	524.02
LOCATION	L0007711	VOLUME	471146.032	3751884.951	522.20
LOCATION	L0007712	VOLUME	471132.033	3751884.832	520.33
LOCATION	L0007713	VOLUME	471118.033	3751884.714	518.95
LOCATION	L0007714	VOLUME	471104.034	3751884.595	517.67
LOCATION	L0007715	VOLUME	471090.034	3751884.477	516.08
LOCATION	L0007716	VOLUME	471076.035	3751884.358	514.32

\*\* End of LINE VOLUME Source ID = SLINE20

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE21

\*\* DESCRSRC Cactus 100%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0002364

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 21

\*\* 471783.009, 3751890.701, 534.84, 3.49, 6.51

\*\* 471937.518, 3751892.847, 532.73, 3.49, 6.51

\*\* 471967.919, 3751890.344, 530.29, 3.49, 6.51  
\*\* 472028.721, 3751881.402, 531.03, 3.49, 6.51  
\*\* 472138.165, 3751849.928, 525.23, 3.49, 6.51  
\*\* 472190.026, 3751839.556, 518.48, 3.49, 6.51  
\*\* 472251.185, 3751834.906, 516.97, 3.49, 6.51  
\*\* 472386.023, 3751843.848, 505.08, 3.49, 6.51  
\*\* 472605.268, 3751861.731, 494.77, 3.49, 6.51  
\*\* 472649.618, 3751864.950, 492.96, 3.49, 6.51  
\*\* 472678.946, 3751868.526, 491.74, 3.49, 6.51  
\*\* 472893.551, 3751939.433, 487.93, 3.49, 6.51  
\*\* 473010.361, 3751979.489, 485.25, 3.49, 6.51  
\*\* 473047.316, 3751993.703, 484.02, 3.49, 6.51  
\*\* 473088.923, 3752005.590, 483.14, 3.49, 6.51  
\*\* 473118.125, 3752011.792, 482.83, 3.49, 6.51  
\*\* 473170.069, 3752017.736, 481.18, 3.49, 6.51  
\*\* 473234.052, 3752016.140, 480.06, 3.49, 6.51  
\*\* 473315.533, 3752022.220, 478.02, 3.49, 6.51  
\*\* 473422.857, 3752035.902, 475.57, 3.49, 6.51  
\*\* 473443.227, 3752040.462, 475.45, 3.49, 6.51

-----  
LOCATION L0007717 VOLUME 471790.009 3751890.799 535.07  
LOCATION L0007718 VOLUME 471804.007 3751890.993 535.50  
LOCATION L0007719 VOLUME 471818.006 3751891.187 535.95  
LOCATION L0007720 VOLUME 471832.004 3751891.382 536.41  
LOCATION L0007721 VOLUME 471846.003 3751891.576 536.88  
LOCATION L0007722 VOLUME 471860.002 3751891.771 537.00  
LOCATION L0007723 VOLUME 471874.000 3751891.965 537.00  
LOCATION L0007724 VOLUME 471887.999 3751892.160 536.57  
LOCATION L0007725 VOLUME 471901.998 3751892.354 535.86  
LOCATION L0007726 VOLUME 471915.996 3751892.548 534.93  
LOCATION L0007727 VOLUME 471929.995 3751892.743 533.74  
LOCATION L0007728 VOLUME 471943.972 3751892.316 532.52  
LOCATION L0007729 VOLUME 471957.925 3751891.167 531.20  
LOCATION L0007730 VOLUME 471971.849 3751889.766 530.20  
LOCATION L0007731 VOLUME 471985.700 3751887.729 530.80  
LOCATION L0007732 VOLUME 471999.551 3751885.692 531.40  
LOCATION L0007733 VOLUME 472013.402 3751883.655 531.29  
LOCATION L0007734 VOLUME 472027.253 3751881.618 531.05  
LOCATION L0007735 VOLUME 472040.750 3751877.943 530.56  
LOCATION L0007736 VOLUME 472054.205 3751874.074 530.33  
LOCATION L0007737 VOLUME 472067.659 3751870.204 530.37  
LOCATION L0007738 VOLUME 472081.114 3751866.335 530.44  
LOCATION L0007739 VOLUME 472094.569 3751862.466 530.23  
LOCATION L0007740 VOLUME 472108.023 3751858.596 529.62  
LOCATION L0007741 VOLUME 472121.478 3751854.727 528.67  
LOCATION L0007742 VOLUME 472134.933 3751850.858 526.15  
LOCATION L0007743 VOLUME 472148.595 3751847.842 523.31  
LOCATION L0007744 VOLUME 472162.323 3751845.097 520.97  
LOCATION L0007745 VOLUME 472176.051 3751842.351 518.98  
LOCATION L0007746 VOLUME 472189.780 3751839.605 518.44  
LOCATION L0007747 VOLUME 472203.735 3751838.514 518.22  
LOCATION L0007748 VOLUME 472217.695 3751837.453 518.31  
LOCATION L0007749 VOLUME 472231.655 3751836.391 518.62  
LOCATION L0007750 VOLUME 472245.614 3751835.330 517.95  
LOCATION L0007751 VOLUME 472259.580 3751835.463 515.78  
LOCATION L0007752 VOLUME 472273.549 3751836.389 513.78  
LOCATION L0007753 VOLUME 472287.518 3751837.316 512.71  
LOCATION L0007754 VOLUME 472301.488 3751838.242 511.78  
LOCATION L0007755 VOLUME 472315.457 3751839.168 511.22  
LOCATION L0007756 VOLUME 472329.426 3751840.095 510.66  
LOCATION L0007757 VOLUME 472343.396 3751841.021 508.72  
LOCATION L0007758 VOLUME 472357.365 3751841.948 506.77  
LOCATION L0007759 VOLUME 472371.334 3751842.874 505.94  
LOCATION L0007760 VOLUME 472385.304 3751843.800 505.35  
LOCATION L0007761 VOLUME 472399.258 3751844.927 505.10  
LOCATION L0007762 VOLUME 472413.212 3751846.066 505.02

LOCATION	L0007763	VOLUME	472427.165	3751847.204	505.24
LOCATION	L0007764	VOLUME	472441.119	3751848.342	505.70
LOCATION	L0007765	VOLUME	472455.073	3751849.480	505.67
LOCATION	L0007766	VOLUME	472469.026	3751850.618	504.88
LOCATION	L0007767	VOLUME	472482.980	3751851.756	504.02
LOCATION	L0007768	VOLUME	472496.934	3751852.894	502.80
LOCATION	L0007769	VOLUME	472510.887	3751854.033	501.69
LOCATION	L0007770	VOLUME	472524.841	3751855.171	501.20
LOCATION	L0007771	VOLUME	472538.795	3751856.309	500.68
LOCATION	L0007772	VOLUME	472552.748	3751857.447	499.69
LOCATION	L0007773	VOLUME	472566.702	3751858.585	498.63
LOCATION	L0007774	VOLUME	472580.656	3751859.723	496.96
LOCATION	L0007775	VOLUME	472594.609	3751860.861	495.14
LOCATION	L0007776	VOLUME	472608.565	3751861.970	494.36
LOCATION	L0007777	VOLUME	472622.528	3751862.984	494.13
LOCATION	L0007778	VOLUME	472636.492	3751863.997	493.73
LOCATION	L0007779	VOLUME	472650.451	3751865.051	493.15
LOCATION	L0007780	VOLUME	472664.348	3751866.746	492.55
LOCATION	L0007781	VOLUME	472678.245	3751868.441	492.09
LOCATION	L0007782	VOLUME	472691.569	3751872.697	491.45
LOCATION	L0007783	VOLUME	472704.862	3751877.089	491.48
LOCATION	L0007784	VOLUME	472718.155	3751881.481	491.34
LOCATION	L0007785	VOLUME	472731.448	3751885.873	491.16
LOCATION	L0007786	VOLUME	472744.742	3751890.265	491.02
LOCATION	L0007787	VOLUME	472758.035	3751894.658	490.71
LOCATION	L0007788	VOLUME	472771.328	3751899.050	490.19
LOCATION	L0007789	VOLUME	472784.621	3751903.442	489.81
LOCATION	L0007790	VOLUME	472797.914	3751907.834	490.11
LOCATION	L0007791	VOLUME	472811.208	3751912.226	490.35
LOCATION	L0007792	VOLUME	472824.501	3751916.618	489.34
LOCATION	L0007793	VOLUME	472837.794	3751921.010	488.58
LOCATION	L0007794	VOLUME	472851.087	3751925.402	488.23
LOCATION	L0007795	VOLUME	472864.380	3751929.795	488.04
LOCATION	L0007796	VOLUME	472877.674	3751934.187	487.98
LOCATION	L0007797	VOLUME	472890.967	3751938.579	488.00
LOCATION	L0007798	VOLUME	472904.220	3751943.091	487.85
LOCATION	L0007799	VOLUME	472917.463	3751947.632	487.41
LOCATION	L0007800	VOLUME	472930.706	3751952.174	487.00
LOCATION	L0007801	VOLUME	472943.949	3751956.715	487.00
LOCATION	L0007802	VOLUME	472957.192	3751961.256	487.00
LOCATION	L0007803	VOLUME	472970.435	3751965.798	486.64
LOCATION	L0007804	VOLUME	472983.678	3751970.339	486.07
LOCATION	L0007805	VOLUME	472996.920	3751974.880	485.55
LOCATION	L0007806	VOLUME	473010.163	3751979.421	485.18
LOCATION	L0007807	VOLUME	473023.233	3751984.440	484.93
LOCATION	L0007808	VOLUME	473036.300	3751989.466	484.58
LOCATION	L0007809	VOLUME	473049.429	3751994.306	484.08
LOCATION	L0007810	VOLUME	473062.890	3751998.152	483.56
LOCATION	L0007811	VOLUME	473076.351	3752001.998	483.11
LOCATION	L0007812	VOLUME	473089.828	3752005.783	483.00
LOCATION	L0007813	VOLUME	473103.522	3752008.691	483.00
LOCATION	L0007814	VOLUME	473117.217	3752011.600	482.75
LOCATION	L0007815	VOLUME	473131.112	3752013.279	482.28
LOCATION	L0007816	VOLUME	473145.021	3752014.870	481.89
LOCATION	L0007817	VOLUME	473158.930	3752016.462	481.57
LOCATION	L0007818	VOLUME	473172.857	3752017.667	481.27
LOCATION	L0007819	VOLUME	473186.853	3752017.317	481.13
LOCATION	L0007820	VOLUME	473200.848	3752016.968	480.96
LOCATION	L0007821	VOLUME	473214.844	3752016.619	480.49
LOCATION	L0007822	VOLUME	473228.840	3752016.270	480.03
LOCATION	L0007823	VOLUME	473242.814	3752016.793	480.00
LOCATION	L0007824	VOLUME	473256.775	3752017.835	480.00
LOCATION	L0007825	VOLUME	473270.736	3752018.877	479.63
LOCATION	L0007826	VOLUME	473284.697	3752019.919	479.16
LOCATION	L0007827	VOLUME	473298.658	3752020.961	478.70
LOCATION	L0007828	VOLUME	473312.619	3752022.003	478.23

LOCATION	L0007829	VOLUME	473326.522	3752023.621	477.77
LOCATION	L0007830	VOLUME	473340.410	3752025.392	477.31
LOCATION	L0007831	VOLUME	473354.298	3752027.162	476.84
LOCATION	L0007832	VOLUME	473368.185	3752028.932	476.38
LOCATION	L0007833	VOLUME	473382.073	3752030.703	476.00
LOCATION	L0007834	VOLUME	473395.960	3752032.473	476.00
LOCATION	L0007835	VOLUME	473409.848	3752034.243	475.99
LOCATION	L0007836	VOLUME	473423.721	3752036.095	475.68
LOCATION	L0007837	VOLUME	473437.383	3752039.154	475.46

\*\* End of LINE VOLUME Source ID = SLINE21

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE22

\*\* DESCRSRC Bandit 25%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000236

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 8

\*\* 471063.609, 3751886.059, 512.93, 3.49, 6.51

\*\* 471065.506, 3751935.378, 516.91, 3.49, 6.51

\*\* 471068.352, 3751974.263, 516.80, 3.49, 6.51

\*\* 471094.908, 3752054.880, 515.07, 3.49, 6.51

\*\* 471118.618, 3752119.373, 512.02, 3.49, 6.51

\*\* 471126.206, 3752159.207, 513.03, 3.49, 6.51

\*\* 471125.257, 3752255.947, 511.96, 3.49, 6.51

\*\* 471422.115, 3752258.792, 518.41, 3.49, 6.51

\*\* -----

LOCATION	L0007838	VOLUME	471063.878	3751893.054	513.61
LOCATION	L0007839	VOLUME	471064.416	3751907.044	514.51
LOCATION	L0007840	VOLUME	471064.955	3751921.034	515.50
LOCATION	L0007841	VOLUME	471065.493	3751935.023	516.49
LOCATION	L0007842	VOLUME	471066.502	3751948.987	516.65
LOCATION	L0007843	VOLUME	471067.524	3751962.949	516.74
LOCATION	L0007844	VOLUME	471069.182	3751976.786	516.62
LOCATION	L0007845	VOLUME	471073.563	3751990.083	516.35
LOCATION	L0007846	VOLUME	471077.943	3752003.380	516.28
LOCATION	L0007847	VOLUME	471082.323	3752016.677	516.43
LOCATION	L0007848	VOLUME	471086.703	3752029.974	516.40
LOCATION	L0007849	VOLUME	471091.084	3752043.271	515.77
LOCATION	L0007850	VOLUME	471095.521	3752056.549	515.01
LOCATION	L0007851	VOLUME	471100.352	3752069.689	514.15
LOCATION	L0007852	VOLUME	471105.183	3752082.829	513.28
LOCATION	L0007853	VOLUME	471110.014	3752095.969	512.69
LOCATION	L0007854	VOLUME	471114.845	3752109.109	512.25
LOCATION	L0007855	VOLUME	471119.192	3752122.383	512.19
LOCATION	L0007856	VOLUME	471121.811	3752136.136	512.65
LOCATION	L0007857	VOLUME	471124.431	3752149.889	512.89
LOCATION	L0007858	VOLUME	471126.161	3752163.721	512.43
LOCATION	L0007859	VOLUME	471126.024	3752177.720	511.99
LOCATION	L0007860	VOLUME	471125.887	3752191.720	511.88
LOCATION	L0007861	VOLUME	471125.750	3752205.719	511.75
LOCATION	L0007862	VOLUME	471125.612	3752219.718	511.74
LOCATION	L0007863	VOLUME	471125.475	3752233.717	511.73
LOCATION	L0007864	VOLUME	471125.338	3752247.717	511.77
LOCATION	L0007865	VOLUME	471131.027	3752256.002	512.05
LOCATION	L0007866	VOLUME	471145.026	3752256.136	512.52
LOCATION	L0007867	VOLUME	471159.025	3752256.270	512.98
LOCATION	L0007868	VOLUME	471173.025	3752256.405	513.76
LOCATION	L0007869	VOLUME	471187.024	3752256.539	514.53
LOCATION	L0007870	VOLUME	471201.023	3752256.673	515.05
LOCATION	L0007871	VOLUME	471215.023	3752256.807	515.51
LOCATION	L0007872	VOLUME	471229.022	3752256.941	515.33
LOCATION	L0007873	VOLUME	471243.022	3752257.075	514.86

LOCATION	L0007874	VOLUME	471257.021	3752257.210	514.71
LOCATION	L0007875	VOLUME	471271.020	3752257.344	514.84
LOCATION	L0007876	VOLUME	471285.020	3752257.478	515.04
LOCATION	L0007877	VOLUME	471299.019	3752257.612	515.36
LOCATION	L0007878	VOLUME	471313.018	3752257.746	515.79
LOCATION	L0007879	VOLUME	471327.018	3752257.880	516.58
LOCATION	L0007880	VOLUME	471341.017	3752258.015	517.30
LOCATION	L0007881	VOLUME	471355.016	3752258.149	517.43
LOCATION	L0007882	VOLUME	471369.016	3752258.283	517.55
LOCATION	L0007883	VOLUME	471383.015	3752258.417	518.00
LOCATION	L0007884	VOLUME	471397.014	3752258.551	518.45
LOCATION	L0007885	VOLUME	471411.014	3752258.686	518.63

\*\* End of LINE VOLUME Source ID = SLINE22

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE23

\*\* DESCRSRC Bandit 30% N

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00003048

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 3

\*\* 471421.774, 3752257.642, 518.48, 3.49, 6.51

\*\* 471780.295, 3752259.839, 519.20, 3.49, 6.51

\*\* 471783.151, 3751890.773, 534.84, 3.49, 6.51

\*\* -----

LOCATION	L0007886	VOLUME	471428.774	3752257.685	518.89
LOCATION	L0007887	VOLUME	471442.774	3752257.771	519.02
LOCATION	L0007888	VOLUME	471456.773	3752257.856	519.14
LOCATION	L0007889	VOLUME	471470.773	3752257.942	519.53
LOCATION	L0007890	VOLUME	471484.773	3752258.028	519.99
LOCATION	L0007891	VOLUME	471498.773	3752258.114	520.80
LOCATION	L0007892	VOLUME	471512.772	3752258.200	521.79
LOCATION	L0007893	VOLUME	471526.772	3752258.285	522.52
LOCATION	L0007894	VOLUME	471540.772	3752258.371	522.98
LOCATION	L0007895	VOLUME	471554.772	3752258.457	522.80
LOCATION	L0007896	VOLUME	471568.771	3752258.543	521.52
LOCATION	L0007897	VOLUME	471582.771	3752258.628	520.38
LOCATION	L0007898	VOLUME	471596.771	3752258.714	519.68
LOCATION	L0007899	VOLUME	471610.770	3752258.800	519.12
LOCATION	L0007900	VOLUME	471624.770	3752258.886	519.92
LOCATION	L0007901	VOLUME	471638.770	3752258.972	520.72
LOCATION	L0007902	VOLUME	471652.770	3752259.057	521.97
LOCATION	L0007903	VOLUME	471666.769	3752259.143	523.24
LOCATION	L0007904	VOLUME	471680.769	3752259.229	523.21
LOCATION	L0007905	VOLUME	471694.769	3752259.315	522.85
LOCATION	L0007906	VOLUME	471708.769	3752259.401	522.58
LOCATION	L0007907	VOLUME	471722.768	3752259.486	522.35
LOCATION	L0007908	VOLUME	471736.768	3752259.572	521.94
LOCATION	L0007909	VOLUME	471750.768	3752259.658	521.36
LOCATION	L0007910	VOLUME	471764.768	3752259.744	520.65
LOCATION	L0007911	VOLUME	471778.767	3752259.829	519.72
LOCATION	L0007912	VOLUME	471780.392	3752247.367	519.61
LOCATION	L0007913	VOLUME	471780.500	3752233.368	519.53
LOCATION	L0007914	VOLUME	471780.609	3752219.368	519.19
LOCATION	L0007915	VOLUME	471780.717	3752205.369	518.87
LOCATION	L0007916	VOLUME	471780.825	3752191.369	518.73
LOCATION	L0007917	VOLUME	471780.934	3752177.369	518.58
LOCATION	L0007918	VOLUME	471781.042	3752163.370	518.69
LOCATION	L0007919	VOLUME	471781.150	3752149.370	518.82
LOCATION	L0007920	VOLUME	471781.259	3752135.371	519.48
LOCATION	L0007921	VOLUME	471781.367	3752121.371	520.27
LOCATION	L0007922	VOLUME	471781.475	3752107.371	521.61
LOCATION	L0007923	VOLUME	471781.584	3752093.372	523.22

LOCATION L0007924	VOLUME	471781.692	3752079.372	524.06
LOCATION L0007925	VOLUME	471781.800	3752065.373	524.18
LOCATION L0007926	VOLUME	471781.909	3752051.373	524.43
LOCATION L0007927	VOLUME	471782.017	3752037.374	524.89
LOCATION L0007928	VOLUME	471782.125	3752023.374	525.57
LOCATION L0007929	VOLUME	471782.234	3752009.374	526.97
LOCATION L0007930	VOLUME	471782.342	3751995.375	528.28
LOCATION L0007931	VOLUME	471782.450	3751981.375	528.75
LOCATION L0007932	VOLUME	471782.559	3751967.376	529.21
LOCATION L0007933	VOLUME	471782.667	3751953.376	529.67
LOCATION L0007934	VOLUME	471782.775	3751939.377	530.14
LOCATION L0007935	VOLUME	471782.884	3751925.377	531.56
LOCATION L0007936	VOLUME	471782.992	3751911.377	533.22
LOCATION L0007937	VOLUME	471783.100	3751897.378	534.47

\*\* End of LINE VOLUME Source ID = SLINE23

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE24

\*\* DESCRSRC Bandit 15%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00001559

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 3

\*\* 471063.923, 3751884.464, 512.94, 3.49, 6.51

\*\* 471067.349, 3751513.030, 522.92, 3.49, 6.51

\*\* 471440.154, 3751515.771, 534.93, 3.49, 6.51

\*\*

LOCATION L0007938	VOLUME	471063.987	3751877.464	512.68
LOCATION L0007939	VOLUME	471064.116	3751863.465	512.36
LOCATION L0007940	VOLUME	471064.246	3751849.466	512.06
LOCATION L0007941	VOLUME	471064.375	3751835.466	512.06
LOCATION L0007942	VOLUME	471064.504	3751821.467	512.14
LOCATION L0007943	VOLUME	471064.633	3751807.467	512.47
LOCATION L0007944	VOLUME	471064.762	3751793.468	512.93
LOCATION L0007945	VOLUME	471064.891	3751779.469	513.84
LOCATION L0007946	VOLUME	471065.021	3751765.469	515.16
LOCATION L0007947	VOLUME	471065.150	3751751.470	516.49
LOCATION L0007948	VOLUME	471065.279	3751737.470	517.83
LOCATION L0007949	VOLUME	471065.408	3751723.471	519.06
LOCATION L0007950	VOLUME	471065.537	3751709.472	519.94
LOCATION L0007951	VOLUME	471065.666	3751695.472	520.86
LOCATION L0007952	VOLUME	471065.795	3751681.473	522.27
LOCATION L0007953	VOLUME	471065.925	3751667.473	523.68
LOCATION L0007954	VOLUME	471066.054	3751653.474	524.21
LOCATION L0007955	VOLUME	471066.183	3751639.475	524.68
LOCATION L0007956	VOLUME	471066.312	3751625.475	524.41
LOCATION L0007957	VOLUME	471066.441	3751611.476	523.95
LOCATION L0007958	VOLUME	471066.570	3751597.476	523.80
LOCATION L0007959	VOLUME	471066.699	3751583.477	523.81
LOCATION L0007960	VOLUME	471066.829	3751569.478	523.84
LOCATION L0007961	VOLUME	471066.958	3751555.478	523.89
LOCATION L0007962	VOLUME	471067.087	3751541.479	523.73
LOCATION L0007963	VOLUME	471067.216	3751527.479	523.23
LOCATION L0007964	VOLUME	471067.345	3751513.480	522.64
LOCATION L0007965	VOLUME	471080.899	3751513.130	522.85
LOCATION L0007966	VOLUME	471094.899	3751513.233	522.96
LOCATION L0007967	VOLUME	471108.898	3751513.336	523.31
LOCATION L0007968	VOLUME	471122.898	3751513.439	523.78
LOCATION L0007969	VOLUME	471136.898	3751513.542	524.25
LOCATION L0007970	VOLUME	471150.897	3751513.645	524.71
LOCATION L0007971	VOLUME	471164.897	3751513.748	525.34
LOCATION L0007972	VOLUME	471178.897	3751513.850	526.23
LOCATION L0007973	VOLUME	471192.896	3751513.953	527.03

LOCATION	VOLUME				
L0007974	471206.896	3751514.056	527.54		
L0007975	471220.895	3751514.159	528.05		
L0007976	471234.895	3751514.262	528.51		
L0007977	471248.895	3751514.365	528.98		
L0007978	471262.894	3751514.468	529.45		
L0007979	471276.894	3751514.571	529.91		
L0007980	471290.894	3751514.674	530.02		
L0007981	471304.893	3751514.777	530.05		
L0007982	471318.893	3751514.880	530.39		
L0007983	471332.892	3751514.983	530.88		
L0007984	471346.892	3751515.086	532.06		
L0007985	471360.892	3751515.189	533.87		
L0007986	471374.891	3751515.292	535.19		
L0007987	471388.891	3751515.395	535.67		
L0007988	471402.890	3751515.497	535.93		
L0007989	471416.890	3751515.600	535.46		
L0007990	471430.890	3751515.703	534.99		

\*\* End of LINE VOLUME Source ID = SLINE24

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE25

\*\* DESCRSRC Bandit 30% S

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00003009

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 3

\*\* 471437.937, 3751517.317, 534.98, 3.49, 6.51

\*\* 471786.513, 3751519.793, 535.03, 3.49, 6.51

\*\* 471783.047, 3751889.660, 536.07, 3.49, 6.51

\*\* -----

LOCATION	VOLUME				
L0007991	471444.937	3751517.367	534.46		
L0007992	471458.936	3751517.466	533.99		
L0007993	471472.936	3751517.566	533.52		
L0007994	471486.936	3751517.665	533.05		
L0007995	471500.935	3751517.765	532.23		
L0007996	471514.935	3751517.864	531.34		
L0007997	471528.935	3751517.964	530.72		
L0007998	471542.934	3751518.063	530.23		
L0007999	471556.934	3751518.162	530.00		
L0008000	471570.934	3751518.262	530.00		
L0008001	471584.933	3751518.361	530.00		
L0008002	471598.933	3751518.461	530.00		
L0008003	471612.932	3751518.560	529.99		
L0008004	471626.932	3751518.660	529.96		
L0008005	471640.932	3751518.759	529.89		
L0008006	471654.931	3751518.858	529.45		
L0008007	471668.931	3751518.958	529.02		
L0008008	471682.931	3751519.057	529.48		
L0008009	471696.930	3751519.157	529.99		
L0008010	471710.930	3751519.256	530.81		
L0008011	471724.930	3751519.356	531.71		
L0008012	471738.929	3751519.455	532.62		
L0008013	471752.929	3751519.554	533.56		
L0008014	471766.929	3751519.654	534.25		
L0008015	471780.928	3751519.753	534.71		
L0008016	471786.434	3751528.208	534.90		
L0008017	471786.303	3751542.207	534.89		
L0008018	471786.171	3751556.207	535.49		
L0008019	471786.040	3751570.206	536.36		
L0008020	471785.909	3751584.206	536.76		
L0008021	471785.778	3751598.205	536.75		
L0008022	471785.647	3751612.204	536.58		
L0008023	471785.515	3751626.204	536.17		

LOCATION	VOLUME			
L0008024	471785.384	3751640.203	535.98	
L0008025	471785.253	3751654.202	536.44	
L0008026	471785.122	3751668.202	536.85	
L0008027	471784.991	3751682.201	536.85	
L0008028	471784.860	3751696.201	536.84	
L0008029	471784.728	3751710.200	536.84	
L0008030	471784.597	3751724.199	536.83	
L0008031	471784.466	3751738.199	536.83	
L0008032	471784.335	3751752.198	536.83	
L0008033	471784.204	3751766.198	537.14	
L0008034	471784.072	3751780.197	537.60	
L0008035	471783.941	3751794.196	537.61	
L0008036	471783.810	3751808.196	537.23	
L0008037	471783.679	3751822.195	537.00	
L0008038	471783.548	3751836.194	537.00	
L0008039	471783.417	3751850.194	536.88	
L0008040	471783.285	3751864.193	536.41	
L0008041	471783.154	3751878.193	535.89	

\*\* End of LINE VOLUME Source ID = SLINE25

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE26

\*\* DESCRSRC Sycamore 5%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00002022

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 26

\*\* 473443.376, 3752040.242, 475.43, 3.49, 6.51

\*\* 473435.363, 3752092.459, 475.89, 3.49, 6.51

\*\* 473416.493, 3752154.757, 474.92, 3.49, 6.51

\*\* 473397.105, 3752189.654, 475.57, 3.49, 6.51

\*\* 473381.337, 3752217.055, 475.90, 3.49, 6.51

\*\* 473282.332, 3752345.787, 474.94, 3.49, 6.51

\*\* 473198.579, 3752453.581, 475.01, 3.49, 6.51

\*\* 473110.172, 3752568.612, 472.99, 3.49, 6.51

\*\* 473090.526, 3752597.823, 472.00, 3.49, 6.51

\*\* 473049.425, 3752668.651, 471.89, 3.49, 6.51

\*\* 473026.936, 3752734.827, 471.31, 3.49, 6.51

\*\* 473012.460, 3752796.349, 470.20, 3.49, 6.51

\*\* 473009.875, 3752870.797, 469.09, 3.49, 6.51

\*\* 473006.948, 3753091.235, 470.00, 3.49, 6.51

\*\* 472997.352, 3753306.457, 459.39, 3.49, 6.51

\*\* 472980.902, 3753379.797, 457.00, 3.49, 6.51

\*\* 472928.810, 3753461.362, 461.74, 3.49, 6.51

\*\* 472866.437, 3753519.623, 463.02, 3.49, 6.51

\*\* 472743.061, 3753608.042, 464.13, 3.49, 6.51

\*\* 472686.857, 3753660.819, 459.91, 3.49, 6.51

\*\* 472651.215, 3753719.080, 462.62, 3.49, 6.51

\*\* 472628.596, 3753778.026, 464.00, 3.49, 6.51

\*\* 472621.056, 3753832.175, 463.67, 3.49, 6.51

\*\* 472617.629, 3753969.944, 463.33, 3.49, 6.51

\*\* 472599.123, 3754362.690, 463.99, 3.49, 6.51

\*\* 472586.785, 3754662.219, 466.00, 3.49, 6.51

\*\*

LOCATION	VOLUME			
L0008042	473442.315	3752047.161	475.62	
L0008043	473440.191	3752060.999	475.98	
L0008044	473438.067	3752074.837	475.97	
L0008045	473435.944	3752088.675	475.82	
L0008046	473432.414	3752102.194	475.36	
L0008047	473428.356	3752115.593	475.02	
L0008048	473424.297	3752128.992	474.80	
L0008049	473420.238	3752142.390	474.70	
L0008050	473415.969	3752155.700	474.79	



LOCATION L0008051	VOLUME	473409.170	3752167.938	475.02
LOCATION L0008052	VOLUME	473402.371	3752180.176	475.24
LOCATION L0008053	VOLUME	473395.530	3752192.391	475.47
LOCATION L0008054	VOLUME	473388.547	3752204.525	475.70
LOCATION L0008055	VOLUME	473381.564	3752216.659	475.60
LOCATION L0008056	VOLUME	473373.080	3752227.791	475.45
LOCATION L0008057	VOLUME	473364.545	3752238.888	475.54
LOCATION L0008058	VOLUME	473356.010	3752249.986	475.88
LOCATION L0008059	VOLUME	473347.476	3752261.083	476.01
LOCATION L0008060	VOLUME	473338.941	3752272.181	476.00
LOCATION L0008061	VOLUME	473330.406	3752283.278	476.00
LOCATION L0008062	VOLUME	473321.871	3752294.376	476.00
LOCATION L0008063	VOLUME	473313.336	3752305.474	475.70
LOCATION L0008064	VOLUME	473304.801	3752316.571	475.33
LOCATION L0008065	VOLUME	473296.266	3752327.669	474.99
LOCATION L0008066	VOLUME	473287.731	3752338.766	475.04
LOCATION L0008067	VOLUME	473279.176	3752349.848	475.08
LOCATION L0008068	VOLUME	473270.587	3752360.903	474.86
LOCATION L0008069	VOLUME	473261.997	3752371.959	474.49
LOCATION L0008070	VOLUME	473253.407	3752383.014	474.30
LOCATION L0008071	VOLUME	473244.818	3752394.069	474.25
LOCATION L0008072	VOLUME	473236.228	3752405.124	474.16
LOCATION L0008073	VOLUME	473227.638	3752416.180	474.08
LOCATION L0008074	VOLUME	473219.049	3752427.235	474.35
LOCATION L0008075	VOLUME	473210.459	3752438.290	474.64
LOCATION L0008076	VOLUME	473201.869	3752449.345	474.92
LOCATION L0008077	VOLUME	473193.316	3752460.428	475.21
LOCATION L0008078	VOLUME	473184.785	3752471.529	475.49
LOCATION L0008079	VOLUME	473176.254	3752482.629	475.58
LOCATION L0008080	VOLUME	473167.723	3752493.730	475.43
LOCATION L0008081	VOLUME	473159.191	3752504.830	475.06
LOCATION L0008082	VOLUME	473150.660	3752515.931	474.69
LOCATION L0008083	VOLUME	473142.129	3752527.031	474.32
LOCATION L0008084	VOLUME	473133.598	3752538.131	473.76
LOCATION L0008085	VOLUME	473125.067	3752549.232	473.30
LOCATION L0008086	VOLUME	473116.536	3752560.332	473.05
LOCATION L0008087	VOLUME	473108.187	3752571.564	472.79
LOCATION L0008088	VOLUME	473100.374	3752583.181	472.31
LOCATION L0008089	VOLUME	473092.561	3752594.798	472.03
LOCATION L0008090	VOLUME	473085.329	3752606.779	472.00
LOCATION L0008091	VOLUME	473078.302	3752618.888	472.00
LOCATION L0008092	VOLUME	473071.276	3752630.997	471.89
LOCATION L0008093	VOLUME	473064.249	3752643.105	471.73
LOCATION L0008094	VOLUME	473057.222	3752655.214	471.76
LOCATION L0008095	VOLUME	473050.196	3752667.323	471.98
LOCATION L0008096	VOLUME	473045.414	3752680.453	472.00
LOCATION L0008097	VOLUME	473040.910	3752693.708	471.83
LOCATION L0008098	VOLUME	473036.405	3752706.964	471.62
LOCATION L0008099	VOLUME	473031.900	3752720.219	471.52
LOCATION L0008100	VOLUME	473027.395	3752733.475	471.32
LOCATION L0008101	VOLUME	473024.056	3752747.065	471.00
LOCATION L0008102	VOLUME	473020.850	3752760.692	470.98
LOCATION L0008103	VOLUME	473017.643	3752774.320	471.01
LOCATION L0008104	VOLUME	473014.437	3752787.948	470.62
LOCATION L0008105	VOLUME	473012.273	3752801.715	470.16
LOCATION L0008106	VOLUME	473011.788	3752815.707	470.00
LOCATION L0008107	VOLUME	473011.302	3752829.699	470.00
LOCATION L0008108	VOLUME	473010.816	3752843.690	469.76
LOCATION L0008109	VOLUME	473010.330	3752857.682	469.30
LOCATION L0008110	VOLUME	473009.863	3752871.674	469.00
LOCATION L0008111	VOLUME	473009.677	3752885.673	469.00
LOCATION L0008112	VOLUME	473009.491	3752899.671	469.03
LOCATION L0008113	VOLUME	473009.306	3752913.670	469.20
LOCATION L0008114	VOLUME	473009.120	3752927.669	469.34
LOCATION L0008115	VOLUME	473008.934	3752941.668	469.18
LOCATION L0008116	VOLUME	473008.748	3752955.666	469.01

LOCATION L0008117	VOLUME	473008.562	3752969.665	469.00
LOCATION L0008118	VOLUME	473008.376	3752983.664	469.00
LOCATION L0008119	VOLUME	473008.190	3752997.663	469.14
LOCATION L0008120	VOLUME	473008.005	3753011.661	469.32
LOCATION L0008121	VOLUME	473007.819	3753025.660	469.39
LOCATION L0008122	VOLUME	473007.633	3753039.659	469.40
LOCATION L0008123	VOLUME	473007.447	3753053.658	469.41
LOCATION L0008124	VOLUME	473007.261	3753067.656	469.41
LOCATION L0008125	VOLUME	473007.075	3753081.655	469.52
LOCATION L0008126	VOLUME	473006.751	3753095.650	469.79
LOCATION L0008127	VOLUME	473006.128	3753109.636	469.94
LOCATION L0008128	VOLUME	473005.504	3753123.622	469.70
LOCATION L0008129	VOLUME	473004.881	3753137.608	469.48
LOCATION L0008130	VOLUME	473004.257	3753151.594	469.26
LOCATION L0008131	VOLUME	473003.633	3753165.581	469.02
LOCATION L0008132	VOLUME	473003.010	3753179.567	468.57
LOCATION L0008133	VOLUME	473002.386	3753193.553	468.10
LOCATION L0008134	VOLUME	473001.763	3753207.539	466.76
LOCATION L0008135	VOLUME	473001.139	3753221.525	465.19
LOCATION L0008136	VOLUME	473000.515	3753235.511	464.15
LOCATION L0008137	VOLUME	472999.892	3753249.497	463.39
LOCATION L0008138	VOLUME	472999.268	3753263.483	462.54
LOCATION L0008139	VOLUME	472998.645	3753277.469	461.61
LOCATION L0008140	VOLUME	472998.021	3753291.455	460.68
LOCATION L0008141	VOLUME	472997.398	3753305.442	459.74
LOCATION L0008142	VOLUME	472994.511	3753319.126	458.85
LOCATION L0008143	VOLUME	472991.447	3753332.786	457.95
LOCATION L0008144	VOLUME	472988.383	3753346.447	457.01
LOCATION L0008145	VOLUME	472985.318	3753360.108	457.00
LOCATION L0008146	VOLUME	472982.254	3753373.768	457.00
LOCATION L0008147	VOLUME	472976.692	3753386.389	457.33
LOCATION L0008148	VOLUME	472969.157	3753398.188	457.72
LOCATION L0008149	VOLUME	472961.621	3753409.987	457.89
LOCATION L0008150	VOLUME	472954.086	3753421.786	457.31
LOCATION L0008151	VOLUME	472946.550	3753433.585	456.66
LOCATION L0008152	VOLUME	472939.015	3753445.384	457.52
LOCATION L0008153	VOLUME	472931.479	3753457.183	459.92
LOCATION L0008154	VOLUME	472922.203	3753467.533	462.82
LOCATION L0008155	VOLUME	472911.972	3753477.090	464.40
LOCATION L0008156	VOLUME	472901.741	3753486.646	465.55
LOCATION L0008157	VOLUME	472891.510	3753496.203	465.46
LOCATION L0008158	VOLUME	472881.279	3753505.759	464.23
LOCATION L0008159	VOLUME	472871.048	3753515.316	463.41
LOCATION L0008160	VOLUME	472860.186	3753524.103	462.79
LOCATION L0008161	VOLUME	472848.807	3753532.258	462.44
LOCATION L0008162	VOLUME	472837.427	3753540.413	462.49
LOCATION L0008163	VOLUME	472826.048	3753548.568	463.06
LOCATION L0008164	VOLUME	472814.668	3753556.724	463.84
LOCATION L0008165	VOLUME	472803.289	3753564.879	464.92
LOCATION L0008166	VOLUME	472791.909	3753573.034	465.59
LOCATION L0008167	VOLUME	472780.530	3753581.189	465.84
LOCATION L0008168	VOLUME	472769.150	3753589.345	465.62
LOCATION L0008169	VOLUME	472757.771	3753597.500	465.01
LOCATION L0008170	VOLUME	472746.392	3753605.655	464.26
LOCATION L0008171	VOLUME	472735.842	3753614.821	463.60
LOCATION L0008172	VOLUME	472725.637	3753624.404	462.73
LOCATION L0008173	VOLUME	472715.431	3753633.988	461.36
LOCATION L0008174	VOLUME	472705.225	3753643.571	459.71
LOCATION L0008175	VOLUME	472695.019	3753653.154	459.34
LOCATION L0008176	VOLUME	472685.394	3753663.210	459.84
LOCATION L0008177	VOLUME	472678.088	3753675.153	460.33
LOCATION L0008178	VOLUME	472670.782	3753687.095	460.72
LOCATION L0008179	VOLUME	472663.476	3753699.038	461.87
LOCATION L0008180	VOLUME	472656.170	3753710.980	463.02
LOCATION L0008181	VOLUME	472649.601	3753723.286	463.19
LOCATION L0008182	VOLUME	472644.586	3753736.356	463.50

LOCATION L0008183	VOLUME	472639.570	3753749.427	463.81
LOCATION L0008184	VOLUME	472634.554	3753762.498	463.98
LOCATION L0008185	VOLUME	472629.539	3753775.569	464.00
LOCATION L0008186	VOLUME	472627.028	3753789.285	463.87
LOCATION L0008187	VOLUME	472625.097	3753803.151	463.70
LOCATION L0008188	VOLUME	472623.167	3753817.018	463.57
LOCATION L0008189	VOLUME	472621.236	3753830.884	463.38
LOCATION L0008190	VOLUME	472620.740	3753844.867	463.16
LOCATION L0008191	VOLUME	472620.392	3753858.863	462.98
LOCATION L0008192	VOLUME	472620.044	3753872.859	462.83
LOCATION L0008193	VOLUME	472619.696	3753886.854	462.67
LOCATION L0008194	VOLUME	472619.348	3753900.850	462.82
LOCATION L0008195	VOLUME	472619.000	3753914.846	462.98
LOCATION L0008196	VOLUME	472618.652	3753928.841	463.00
LOCATION L0008197	VOLUME	472618.303	3753942.837	463.00
LOCATION L0008198	VOLUME	472617.955	3753956.833	463.13
LOCATION L0008199	VOLUME	472617.587	3753970.828	463.32
LOCATION L0008200	VOLUME	472616.929	3753984.812	463.58
LOCATION L0008201	VOLUME	472616.270	3753998.797	463.86
LOCATION L0008202	VOLUME	472615.611	3754012.781	464.11
LOCATION L0008203	VOLUME	472614.952	3754026.766	464.34
LOCATION L0008204	VOLUME	472614.293	3754040.750	464.56
LOCATION L0008205	VOLUME	472613.634	3754054.735	464.79
LOCATION L0008206	VOLUME	472612.975	3754068.719	465.03
LOCATION L0008207	VOLUME	472612.316	3754082.704	465.23
LOCATION L0008208	VOLUME	472611.657	3754096.688	465.40
LOCATION L0008209	VOLUME	472610.998	3754110.673	465.38
LOCATION L0008210	VOLUME	472610.339	3754124.657	465.36
LOCATION L0008211	VOLUME	472609.680	3754138.642	465.34
LOCATION L0008212	VOLUME	472609.021	3754152.626	465.31
LOCATION L0008213	VOLUME	472608.362	3754166.611	465.29
LOCATION L0008214	VOLUME	472607.703	3754180.595	465.27
LOCATION L0008215	VOLUME	472607.044	3754194.580	464.98
LOCATION L0008216	VOLUME	472606.385	3754208.564	464.49
LOCATION L0008217	VOLUME	472605.726	3754222.549	464.20
LOCATION L0008218	VOLUME	472605.067	3754236.533	464.18
LOCATION L0008219	VOLUME	472604.408	3754250.517	464.03
LOCATION L0008220	VOLUME	472603.749	3754264.502	463.54
LOCATION L0008221	VOLUME	472603.090	3754278.486	463.17
LOCATION L0008222	VOLUME	472602.432	3754292.471	463.57
LOCATION L0008223	VOLUME	472601.773	3754306.455	464.00
LOCATION L0008224	VOLUME	472601.114	3754320.440	464.00
LOCATION L0008225	VOLUME	472600.455	3754334.424	464.00
LOCATION L0008226	VOLUME	472599.796	3754348.409	464.00
LOCATION L0008227	VOLUME	472599.137	3754362.393	463.99
LOCATION L0008228	VOLUME	472598.559	3754376.381	463.99
LOCATION L0008229	VOLUME	472597.983	3754390.370	464.03
LOCATION L0008230	VOLUME	472597.406	3754404.358	464.31
LOCATION L0008231	VOLUME	472596.830	3754418.346	464.75
LOCATION L0008232	VOLUME	472596.254	3754432.334	465.00
LOCATION L0008233	VOLUME	472595.678	3754446.322	465.00
LOCATION L0008234	VOLUME	472595.102	3754460.310	465.12
LOCATION L0008235	VOLUME	472594.526	3754474.298	465.59
LOCATION L0008236	VOLUME	472593.949	3754488.287	466.00
LOCATION L0008237	VOLUME	472593.373	3754502.275	466.00
LOCATION L0008238	VOLUME	472592.797	3754516.263	466.00
LOCATION L0008239	VOLUME	472592.221	3754530.251	466.00
LOCATION L0008240	VOLUME	472591.645	3754544.239	466.00
LOCATION L0008241	VOLUME	472591.069	3754558.227	466.00
LOCATION L0008242	VOLUME	472590.492	3754572.215	466.00
LOCATION L0008243	VOLUME	472589.916	3754586.203	466.00
LOCATION L0008244	VOLUME	472589.340	3754600.192	466.00
LOCATION L0008245	VOLUME	472588.764	3754614.180	466.00
LOCATION L0008246	VOLUME	472588.188	3754628.168	466.00
LOCATION L0008247	VOLUME	472587.612	3754642.156	466.00
LOCATION L0008248	VOLUME	472587.035	3754656.144	466.00

\*\* End of LINE VOLUME Source ID = SLINE26

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE27

\*\* DESCRSRC Meridian 10%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00005129

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 26

\*\* 473443.504, 3752040.812, 475.46, 3.49, 6.51

\*\* 473447.899, 3751999.061, 475.12, 3.49, 6.51

\*\* 473441.087, 3751914.460, 476.06, 3.49, 6.51

\*\* 473419.333, 3751820.850, 476.81, 3.49, 6.51

\*\* 473411.642, 3751757.125, 477.00, 3.49, 6.51

\*\* 473414.718, 3751700.870, 479.00, 3.49, 6.51

\*\* 473424.607, 3751640.661, 480.57, 3.49, 6.51

\*\* 473435.813, 3751602.426, 480.04, 3.49, 6.51

\*\* 473475.147, 3751508.156, 480.18, 3.49, 6.51

\*\* 473515.580, 3751419.820, 482.13, 3.49, 6.51

\*\* 473563.264, 3751333.022, 483.05, 3.49, 6.51

\*\* 473621.056, 3751236.115, 483.85, 3.49, 6.51

\*\* 473768.361, 3750983.730, 480.06, 3.49, 6.51

\*\* 473913.818, 3750733.557, 476.06, 3.49, 6.51

\*\* 474031.561, 3750527.911, 476.00, 3.49, 6.51

\*\* 474074.303, 3750411.781, 475.93, 3.49, 6.51

\*\* 474097.690, 3750281.942, 475.00, 3.49, 6.51

\*\* 474101.722, 3750005.328, 477.00, 3.49, 6.51

\*\* 474111.400, 3749760.972, 478.84, 3.49, 6.51

\*\* 474690.435, 3749762.585, 469.00, 3.49, 6.51

\*\* 474877.532, 3749751.294, 468.00, 3.49, 6.51

\*\* 475000.920, 3749736.778, 467.00, 3.49, 6.51

\*\* 475100.114, 3749720.649, 467.00, 3.49, 6.51

\*\* 475196.889, 3749645.649, 466.05, 3.49, 6.51

\*\* 475221.082, 3749560.164, 466.00, 3.49, 6.51

\*\* 475221.082, 3749540.003, 466.00, 3.49, 6.51

\*\*

LOCATION	L0008249	VOLUME	473444.237	3752033.851	475.20
LOCATION	L0008250	VOLUME	473445.703	3752019.927	475.05
LOCATION	L0008251	VOLUME	473447.168	3752006.004	475.17
LOCATION	L0008252	VOLUME	473447.336	3751992.065	475.26
LOCATION	L0008253	VOLUME	473446.212	3751978.111	475.22
LOCATION	L0008254	VOLUME	473445.089	3751964.156	475.33
LOCATION	L0008255	VOLUME	473443.965	3751950.201	476.16
LOCATION	L0008256	VOLUME	473442.841	3751936.246	476.99
LOCATION	L0008257	VOLUME	473441.718	3751922.291	476.52
LOCATION	L0008258	VOLUME	473439.697	3751908.476	476.06
LOCATION	L0008259	VOLUME	473436.528	3751894.839	476.10
LOCATION	L0008260	VOLUME	473433.358	3751881.203	476.21
LOCATION	L0008261	VOLUME	473430.189	3751867.566	476.31
LOCATION	L0008262	VOLUME	473427.020	3751853.930	476.42
LOCATION	L0008263	VOLUME	473423.851	3751840.293	476.53
LOCATION	L0008264	VOLUME	473420.682	3751826.656	476.63
LOCATION	L0008265	VOLUME	473418.370	3751812.869	476.62
LOCATION	L0008266	VOLUME	473416.692	3751798.970	476.32
LOCATION	L0008267	VOLUME	473415.015	3751785.071	476.04
LOCATION	L0008268	VOLUME	473413.337	3751771.172	476.45
LOCATION	L0008269	VOLUME	473411.660	3751757.273	476.91
LOCATION	L0008270	VOLUME	473412.398	3751743.294	477.35
LOCATION	L0008271	VOLUME	473413.163	3751729.315	477.79
LOCATION	L0008272	VOLUME	473413.927	3751715.336	478.23
LOCATION	L0008273	VOLUME	473414.692	3751701.357	478.67
LOCATION	L0008274	VOLUME	473416.908	3751687.536	479.06
LOCATION	L0008275	VOLUME	473419.177	3751673.721	479.44

LOCATION	L0008276	VOLUME	473421.446	3751659.906	479.83
LOCATION	L0008277	VOLUME	473423.715	3751646.091	480.21
LOCATION	L0008278	VOLUME	473426.996	3751632.507	480.42
LOCATION	L0008279	VOLUME	473430.934	3751619.072	480.29
LOCATION	L0008280	VOLUME	473434.872	3751605.638	480.16
LOCATION	L0008281	VOLUME	473439.916	3751592.594	480.00
LOCATION	L0008282	VOLUME	473445.307	3751579.674	480.00
LOCATION	L0008283	VOLUME	473450.698	3751566.753	480.00
LOCATION	L0008284	VOLUME	473456.089	3751553.833	480.00
LOCATION	L0008285	VOLUME	473461.480	3751540.913	480.05
LOCATION	L0008286	VOLUME	473466.871	3751527.992	480.06
LOCATION	L0008287	VOLUME	473472.262	3751515.072	480.05
LOCATION	L0008288	VOLUME	473477.855	3751502.240	480.48
LOCATION	L0008289	VOLUME	473483.682	3751489.510	480.90
LOCATION	L0008290	VOLUME	473489.509	3751476.780	481.00
LOCATION	L0008291	VOLUME	473495.335	3751464.050	481.00
LOCATION	L0008292	VOLUME	473501.162	3751451.320	481.18
LOCATION	L0008293	VOLUME	473506.988	3751438.590	481.60
LOCATION	L0008294	VOLUME	473512.815	3751425.861	482.01
LOCATION	L0008295	VOLUME	473519.122	3751413.372	482.15
LOCATION	L0008296	VOLUME	473525.863	3751401.102	482.11
LOCATION	L0008297	VOLUME	473532.604	3751388.832	482.26
LOCATION	L0008298	VOLUME	473539.345	3751376.561	482.67
LOCATION	L0008299	VOLUME	473546.086	3751364.291	483.03
LOCATION	L0008300	VOLUME	473552.827	3751352.021	483.11
LOCATION	L0008301	VOLUME	473559.567	3751339.750	483.00
LOCATION	L0008302	VOLUME	473566.503	3751327.591	483.23
LOCATION	L0008303	VOLUME	473573.673	3751315.567	483.37
LOCATION	L0008304	VOLUME	473580.844	3751303.543	483.29
LOCATION	L0008305	VOLUME	473588.015	3751291.519	483.05
LOCATION	L0008306	VOLUME	473595.186	3751279.495	482.98
LOCATION	L0008307	VOLUME	473602.357	3751267.471	483.30
LOCATION	L0008308	VOLUME	473609.528	3751255.447	483.71
LOCATION	L0008309	VOLUME	473616.698	3751243.423	484.00
LOCATION	L0008310	VOLUME	473623.825	3751231.372	483.72
LOCATION	L0008311	VOLUME	473630.882	3751219.281	483.25
LOCATION	L0008312	VOLUME	473637.939	3751207.190	482.97
LOCATION	L0008313	VOLUME	473644.996	3751195.098	482.92
LOCATION	L0008314	VOLUME	473652.053	3751183.007	482.92
LOCATION	L0008315	VOLUME	473659.110	3751170.916	482.68
LOCATION	L0008316	VOLUME	473666.167	3751158.825	482.45
LOCATION	L0008317	VOLUME	473673.224	3751146.733	482.21
LOCATION	L0008318	VOLUME	473680.281	3751134.642	481.98
LOCATION	L0008319	VOLUME	473687.338	3751122.551	481.78
LOCATION	L0008320	VOLUME	473694.395	3751110.460	481.77
LOCATION	L0008321	VOLUME	473701.452	3751098.368	481.96
LOCATION	L0008322	VOLUME	473708.509	3751086.277	482.00
LOCATION	L0008323	VOLUME	473715.566	3751074.186	481.95
LOCATION	L0008324	VOLUME	473722.623	3751062.095	481.93
LOCATION	L0008325	VOLUME	473729.680	3751050.003	481.63
LOCATION	L0008326	VOLUME	473736.737	3751037.912	481.14
LOCATION	L0008327	VOLUME	473743.794	3751025.821	481.00
LOCATION	L0008328	VOLUME	473750.851	3751013.730	481.00
LOCATION	L0008329	VOLUME	473757.908	3751001.639	480.90
LOCATION	L0008330	VOLUME	473764.965	3750989.547	480.52
LOCATION	L0008331	VOLUME	473772.012	3750977.450	480.03
LOCATION	L0008332	VOLUME	473779.049	3750965.347	480.00
LOCATION	L0008333	VOLUME	473786.086	3750953.244	480.00
LOCATION	L0008334	VOLUME	473793.123	3750941.141	480.00
LOCATION	L0008335	VOLUME	473800.160	3750929.038	479.98
LOCATION	L0008336	VOLUME	473807.197	3750916.935	479.75
LOCATION	L0008337	VOLUME	473814.234	3750904.832	479.31
LOCATION	L0008338	VOLUME	473821.271	3750892.729	479.06
LOCATION	L0008339	VOLUME	473828.308	3750880.626	479.00
LOCATION	L0008340	VOLUME	473835.345	3750868.524	478.81
LOCATION	L0008341	VOLUME	473842.382	3750856.421	478.58

LOCATION	L0008342	VOLUME	473849.419	3750844.318	478.34
LOCATION	L0008343	VOLUME	473856.456	3750832.215	478.11
LOCATION	L0008344	VOLUME	473863.493	3750820.112	477.87
LOCATION	L0008345	VOLUME	473870.530	3750808.009	477.64
LOCATION	L0008346	VOLUME	473877.567	3750795.906	477.39
LOCATION	L0008347	VOLUME	473884.604	3750783.803	477.10
LOCATION	L0008348	VOLUME	473891.641	3750771.700	476.93
LOCATION	L0008349	VOLUME	473898.678	3750759.597	476.70
LOCATION	L0008350	VOLUME	473905.715	3750747.494	476.46
LOCATION	L0008351	VOLUME	473912.752	3750735.391	476.22
LOCATION	L0008352	VOLUME	473919.720	3750723.249	476.00
LOCATION	L0008353	VOLUME	473926.676	3750711.099	475.80
LOCATION	L0008354	VOLUME	473933.632	3750698.950	475.40
LOCATION	L0008355	VOLUME	473940.589	3750686.800	475.10
LOCATION	L0008356	VOLUME	473947.545	3750674.651	475.07
LOCATION	L0008357	VOLUME	473954.501	3750662.501	475.39
LOCATION	L0008358	VOLUME	473961.457	3750650.352	475.53
LOCATION	L0008359	VOLUME	473968.413	3750638.202	475.55
LOCATION	L0008360	VOLUME	473975.370	3750626.053	475.73
LOCATION	L0008361	VOLUME	473982.326	3750613.903	475.92
LOCATION	L0008362	VOLUME	473989.282	3750601.753	475.84
LOCATION	L0008363	VOLUME	473996.238	3750589.604	475.94
LOCATION	L0008364	VOLUME	474003.194	3750577.454	476.00
LOCATION	L0008365	VOLUME	474010.151	3750565.305	476.00
LOCATION	L0008366	VOLUME	474017.107	3750553.155	476.00
LOCATION	L0008367	VOLUME	474024.063	3750541.006	476.00
LOCATION	L0008368	VOLUME	474031.019	3750528.856	476.00
LOCATION	L0008369	VOLUME	474036.020	3750515.795	476.04
LOCATION	L0008370	VOLUME	474040.856	3750502.656	476.00
LOCATION	L0008371	VOLUME	474045.691	3750489.518	476.00
LOCATION	L0008372	VOLUME	474050.527	3750476.380	476.00
LOCATION	L0008373	VOLUME	474055.363	3750463.241	476.00
LOCATION	L0008374	VOLUME	474060.198	3750450.103	476.00
LOCATION	L0008375	VOLUME	474065.034	3750436.965	476.00
LOCATION	L0008376	VOLUME	474069.869	3750423.826	475.99
LOCATION	L0008377	VOLUME	474074.509	3750410.635	475.84
LOCATION	L0008378	VOLUME	474076.991	3750396.856	475.76
LOCATION	L0008379	VOLUME	474079.473	3750383.078	475.67
LOCATION	L0008380	VOLUME	474081.955	3750369.300	475.59
LOCATION	L0008381	VOLUME	474084.436	3750355.522	475.51
LOCATION	L0008382	VOLUME	474086.918	3750341.743	475.36
LOCATION	L0008383	VOLUME	474089.400	3750327.965	475.13
LOCATION	L0008384	VOLUME	474091.882	3750314.187	475.00
LOCATION	L0008385	VOLUME	474094.364	3750300.409	475.00
LOCATION	L0008386	VOLUME	474096.845	3750286.630	475.00
LOCATION	L0008387	VOLUME	474097.825	3750272.707	475.00
LOCATION	L0008388	VOLUME	474098.029	3750258.708	475.00
LOCATION	L0008389	VOLUME	474098.233	3750244.710	475.00
LOCATION	L0008390	VOLUME	474098.437	3750230.711	475.00
LOCATION	L0008391	VOLUME	474098.641	3750216.713	475.00
LOCATION	L0008392	VOLUME	474098.845	3750202.714	475.00
LOCATION	L0008393	VOLUME	474099.049	3750188.716	475.00
LOCATION	L0008394	VOLUME	474099.253	3750174.717	475.00
LOCATION	L0008395	VOLUME	474099.457	3750160.719	475.20
LOCATION	L0008396	VOLUME	474099.661	3750146.720	475.66
LOCATION	L0008397	VOLUME	474099.865	3750132.722	476.00
LOCATION	L0008398	VOLUME	474100.069	3750118.723	476.00
LOCATION	L0008399	VOLUME	474100.273	3750104.725	476.06
LOCATION	L0008400	VOLUME	474100.477	3750090.726	476.52
LOCATION	L0008401	VOLUME	474100.681	3750076.728	476.96
LOCATION	L0008402	VOLUME	474100.885	3750062.729	476.98
LOCATION	L0008403	VOLUME	474101.090	3750048.731	477.00
LOCATION	L0008404	VOLUME	474101.294	3750034.732	477.00
LOCATION	L0008405	VOLUME	474101.498	3750020.733	477.00
LOCATION	L0008406	VOLUME	474101.702	3750006.735	477.00
LOCATION	L0008407	VOLUME	474102.221	3749992.745	477.00

LOCATION	L0008408	VOLUME	474102.775	3749978.756	477.23
LOCATION	L0008409	VOLUME	474103.329	3749964.767	477.64
LOCATION	L0008410	VOLUME	474103.883	3749950.778	477.69
LOCATION	L0008411	VOLUME	474104.437	3749936.789	477.28
LOCATION	L0008412	VOLUME	474104.991	3749922.800	477.10
LOCATION	L0008413	VOLUME	474105.545	3749908.811	477.48
LOCATION	L0008414	VOLUME	474106.099	3749894.822	477.79
LOCATION	L0008415	VOLUME	474106.653	3749880.833	477.77
LOCATION	L0008416	VOLUME	474107.207	3749866.844	477.75
LOCATION	L0008417	VOLUME	474107.761	3749852.855	477.85
LOCATION	L0008418	VOLUME	474108.315	3749838.866	477.98
LOCATION	L0008419	VOLUME	474108.869	3749824.877	478.27
LOCATION	L0008420	VOLUME	474109.423	3749810.888	478.58
LOCATION	L0008421	VOLUME	474109.977	3749796.899	478.66
LOCATION	L0008422	VOLUME	474110.531	3749782.909	478.64
LOCATION	L0008423	VOLUME	474111.085	3749768.920	478.72
LOCATION	L0008424	VOLUME	474117.445	3749760.989	478.72
LOCATION	L0008425	VOLUME	474131.445	3749761.028	478.49
LOCATION	L0008426	VOLUME	474145.445	3749761.067	478.25
LOCATION	L0008427	VOLUME	474159.445	3749761.106	478.00
LOCATION	L0008428	VOLUME	474173.445	3749761.145	477.54
LOCATION	L0008429	VOLUME	474187.445	3749761.184	477.07
LOCATION	L0008430	VOLUME	474201.444	3749761.223	477.00
LOCATION	L0008431	VOLUME	474215.444	3749761.262	477.00
LOCATION	L0008432	VOLUME	474229.444	3749761.301	476.84
LOCATION	L0008433	VOLUME	474243.444	3749761.340	476.61
LOCATION	L0008434	VOLUME	474257.444	3749761.379	476.38
LOCATION	L0008435	VOLUME	474271.444	3749761.418	476.14
LOCATION	L0008436	VOLUME	474285.444	3749761.457	476.00
LOCATION	L0008437	VOLUME	474299.444	3749761.496	476.00
LOCATION	L0008438	VOLUME	474313.444	3749761.535	475.87
LOCATION	L0008439	VOLUME	474327.444	3749761.574	475.41
LOCATION	L0008440	VOLUME	474341.444	3749761.613	475.00
LOCATION	L0008441	VOLUME	474355.444	3749761.652	475.00
LOCATION	L0008442	VOLUME	474369.444	3749761.691	475.00
LOCATION	L0008443	VOLUME	474383.444	3749761.730	474.54
LOCATION	L0008444	VOLUME	474397.444	3749761.769	474.07
LOCATION	L0008445	VOLUME	474411.444	3749761.808	474.00
LOCATION	L0008446	VOLUME	474425.444	3749761.847	474.00
LOCATION	L0008447	VOLUME	474439.444	3749761.886	473.67
LOCATION	L0008448	VOLUME	474453.444	3749761.925	473.21
LOCATION	L0008449	VOLUME	474467.443	3749761.964	473.00
LOCATION	L0008450	VOLUME	474481.443	3749762.003	473.00
LOCATION	L0008451	VOLUME	474495.443	3749762.042	472.81
LOCATION	L0008452	VOLUME	474509.443	3749762.081	472.34
LOCATION	L0008453	VOLUME	474523.443	3749762.120	471.87
LOCATION	L0008454	VOLUME	474537.443	3749762.159	471.41
LOCATION	L0008455	VOLUME	474551.443	3749762.198	470.94
LOCATION	L0008456	VOLUME	474565.443	3749762.237	470.47
LOCATION	L0008457	VOLUME	474579.443	3749762.276	470.01
LOCATION	L0008458	VOLUME	474593.443	3749762.315	470.00
LOCATION	L0008459	VOLUME	474607.443	3749762.354	470.00
LOCATION	L0008460	VOLUME	474621.443	3749762.393	469.81
LOCATION	L0008461	VOLUME	474635.443	3749762.432	469.59
LOCATION	L0008462	VOLUME	474649.443	3749762.471	469.36
LOCATION	L0008463	VOLUME	474663.443	3749762.510	469.11
LOCATION	L0008464	VOLUME	474677.443	3749762.549	469.00
LOCATION	L0008465	VOLUME	474691.441	3749762.524	469.00
LOCATION	L0008466	VOLUME	474705.415	3749761.681	469.00
LOCATION	L0008467	VOLUME	474719.390	3749760.837	469.00
LOCATION	L0008468	VOLUME	474733.364	3749759.994	469.00
LOCATION	L0008469	VOLUME	474747.339	3749759.151	469.00
LOCATION	L0008470	VOLUME	474761.314	3749758.308	469.00
LOCATION	L0008471	VOLUME	474775.288	3749757.464	469.00
LOCATION	L0008472	VOLUME	474789.263	3749756.621	469.00
LOCATION	L0008473	VOLUME	474803.237	3749755.778	468.86

LOCATION	VOLUME				
L0008474	474817.212	3749754.934	468.75		
L0008475	474831.187	3749754.091	468.46		
L0008476	474845.161	3749753.248	468.12		
L0008477	474859.136	3749752.405	468.00		
L0008478	474873.110	3749751.561	468.00		
L0008479	474887.037	3749750.176	468.00		
L0008480	474900.941	3749748.540	468.00		
L0008481	474914.845	3749746.905	468.00		
L0008482	474928.749	3749745.269	468.00		
L0008483	474942.653	3749743.633	467.91		
L0008484	474956.557	3749741.997	467.52		
L0008485	474970.461	3749740.362	467.20		
L0008486	474984.365	3749738.726	467.13		
L0008487	474998.270	3749737.090	467.02		
L0008488	475012.104	3749734.960	467.00		
L0008489	475025.923	3749732.713	467.00		
L0008490	475039.741	3749730.466	467.00		
L0008491	475053.560	3749728.219	467.00		
L0008492	475067.378	3749725.972	467.00		
L0008493	475081.197	3749723.725	467.00		
L0008494	475095.015	3749721.478	467.00		
L0008495	475107.097	3749715.237	467.00		
L0008496	475118.163	3749706.661	467.00		
L0008497	475129.229	3749698.085	467.00		
L0008498	475140.294	3749689.509	467.00		
L0008499	475151.360	3749680.933	466.94		
L0008500	475162.426	3749672.357	466.58		
L0008501	475173.492	3749663.781	466.21		
L0008502	475184.558	3749655.205	466.00		
L0008503	475195.623	3749646.629	466.00		
L0008504	475200.265	3749633.718	466.00		
L0008505	475204.078	3749620.247	466.00		
L0008506	475207.890	3749606.776	466.00		
L0008507	475211.703	3749593.305	466.00		
L0008508	475215.515	3749579.834	466.00		
L0008509	475219.328	3749566.364	466.00		
L0008510	475221.082	3749552.607	466.00		

\*\* End of LINE VOLUME Source ID = SLINE27

-----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE28

\*\* DESCRSRC Cactus 85%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00009992

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 8

\*\* 473443.296, 3752040.949, 475.47, 3.49, 6.51

\*\* 473530.447, 3752049.370, 474.12, 3.49, 6.51

\*\* 473652.544, 3752059.474, 472.98, 3.49, 6.51

\*\* 473767.062, 3752060.316, 473.00, 3.49, 6.51

\*\* 473852.950, 3752070.842, 472.79, 3.49, 6.51

\*\* 473920.735, 3752089.367, 471.99, 3.49, 6.51

\*\* 474178.400, 3752128.943, 470.00, 3.49, 6.51

\*\* 474276.919, 3752145.363, 471.00, 3.49, 6.51

-----

LOCATION	VOLUME				
L0008511	473450.264	3752041.623	475.32		
L0008512	473464.199	3752042.969	475.10		
L0008513	473478.134	3752044.315	475.00		
L0008514	473492.069	3752045.662	475.00		
L0008515	473506.004	3752047.008	474.86		
L0008516	473519.939	3752048.355	474.51		
L0008517	473533.878	3752049.654	474.20		
L0008518	473547.831	3752050.809	474.08		



LOCATION	VOLUME	VOLUME	VOLUME	VOLUME
LOCATION L0008519	473561.783	3752051.963	473.93	
LOCATION L0008520	473575.735	3752053.118	473.46	
LOCATION L0008521	473589.688	3752054.273	473.00	
LOCATION L0008522	473603.640	3752055.427	472.55	
LOCATION L0008523	473617.592	3752056.582	472.07	
LOCATION L0008524	473631.544	3752057.737	472.38	
LOCATION L0008525	473645.497	3752058.891	472.80	
LOCATION L0008526	473659.473	3752059.525	472.93	
LOCATION L0008527	473673.472	3752059.628	472.98	
LOCATION L0008528	473687.472	3752059.731	473.00	
LOCATION L0008529	473701.471	3752059.834	473.00	
LOCATION L0008530	473715.471	3752059.937	472.98	
LOCATION L0008531	473729.471	3752060.040	472.92	
LOCATION L0008532	473743.470	3752060.143	472.88	
LOCATION L0008533	473757.470	3752060.246	472.88	
LOCATION L0008534	473771.437	3752060.853	472.86	
LOCATION L0008535	473785.333	3752062.556	472.80	
LOCATION L0008536	473799.229	3752064.259	472.74	
LOCATION L0008537	473813.125	3752065.961	472.69	
LOCATION L0008538	473827.021	3752067.664	472.63	
LOCATION L0008539	473840.917	3752069.367	472.73	
LOCATION L0008540	473854.761	3752071.337	472.92	
LOCATION L0008541	473868.265	3752075.028	472.82	
LOCATION L0008542	473881.770	3752078.718	472.46	
LOCATION L0008543	473895.275	3752082.409	472.11	
LOCATION L0008544	473908.780	3752086.100	472.01	
LOCATION L0008545	473922.323	3752089.611	471.82	
LOCATION L0008546	473936.160	3752091.736	471.37	
LOCATION L0008547	473949.998	3752093.862	471.00	
LOCATION L0008548	473963.836	3752095.987	470.85	
LOCATION L0008549	473977.674	3752098.112	470.64	
LOCATION L0008550	473991.511	3752100.238	470.33	
LOCATION L0008551	474005.349	3752102.363	470.07	
LOCATION L0008552	474019.187	3752104.489	470.00	
LOCATION L0008553	474033.024	3752106.614	470.00	
LOCATION L0008554	474046.862	3752108.740	470.00	
LOCATION L0008555	474060.700	3752110.865	470.00	
LOCATION L0008556	474074.538	3752112.990	470.00	
LOCATION L0008557	474088.375	3752115.116	470.00	
LOCATION L0008558	474102.213	3752117.241	470.00	
LOCATION L0008559	474116.051	3752119.367	470.00	
LOCATION L0008560	474129.889	3752121.492	470.00	
LOCATION L0008561	474143.726	3752123.617	470.00	
LOCATION L0008562	474157.564	3752125.743	470.00	
LOCATION L0008563	474171.402	3752127.868	470.00	
LOCATION L0008564	474185.226	3752130.081	470.00	
LOCATION L0008565	474199.035	3752132.382	470.00	
LOCATION L0008566	474212.845	3752134.684	470.00	
LOCATION L0008567	474226.654	3752136.985	470.00	
LOCATION L0008568	474240.464	3752139.287	470.00	
LOCATION L0008569	474254.273	3752141.589	470.15	
LOCATION L0008570	474268.083	3752143.890	470.61	

\*\* End of LINE VOLUME Source ID = SLINE28

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE29

\*\* DESCRSRC Cactus 3%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 6.661E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 6

\*\* 474275.656, 3752144.942, 470.99, 3.49, 6.51

\*\* 474636.051, 3752215.252, 472.00, 3.49, 6.51

\*\* 474668.048, 3752220.305, 472.00, 3.49, 6.51  
\*\* 474751.832, 3752224.936, 472.00, 3.49, 6.51  
\*\* 474953.501, 3752222.831, 472.06, 3.49, 6.51  
\*\* 475858.533, 3752226.376, 472.00, 3.49, 6.51

\*\*

-----  
LOCATION L0008571 VOLUME 474282.526 3752146.282 471.09  
LOCATION L0008572 VOLUME 474296.267 3752148.963 471.47  
LOCATION L0008573 VOLUME 474310.008 3752151.644 471.84  
LOCATION L0008574 VOLUME 474323.749 3752154.325 472.09  
LOCATION L0008575 VOLUME 474337.490 3752157.005 472.26  
LOCATION L0008576 VOLUME 474351.231 3752159.686 472.13  
LOCATION L0008577 VOLUME 474364.972 3752162.367 471.95  
LOCATION L0008578 VOLUME 474378.713 3752165.048 471.95  
LOCATION L0008579 VOLUME 474392.454 3752167.728 472.13  
LOCATION L0008580 VOLUME 474406.195 3752170.409 472.21  
LOCATION L0008581 VOLUME 474419.936 3752173.090 472.12  
LOCATION L0008582 VOLUME 474433.677 3752175.771 472.02  
LOCATION L0008583 VOLUME 474447.418 3752178.451 472.00  
LOCATION L0008584 VOLUME 474461.159 3752181.132 472.00  
LOCATION L0008585 VOLUME 474474.900 3752183.813 472.00  
LOCATION L0008586 VOLUME 474488.641 3752186.494 472.00  
LOCATION L0008587 VOLUME 474502.382 3752189.175 472.00  
LOCATION L0008588 VOLUME 474516.122 3752191.855 472.00  
LOCATION L0008589 VOLUME 474529.863 3752194.536 472.00  
LOCATION L0008590 VOLUME 474543.604 3752197.217 472.00  
LOCATION L0008591 VOLUME 474557.345 3752199.898 472.00  
LOCATION L0008592 VOLUME 474571.086 3752202.578 472.00  
LOCATION L0008593 VOLUME 474584.827 3752205.259 472.00  
LOCATION L0008594 VOLUME 474598.568 3752207.940 472.00  
LOCATION L0008595 VOLUME 474612.309 3752210.621 472.00  
LOCATION L0008596 VOLUME 474626.050 3752213.301 472.00  
LOCATION L0008597 VOLUME 474639.815 3752215.847 472.00  
LOCATION L0008598 VOLUME 474653.644 3752218.030 472.00  
LOCATION L0008599 VOLUME 474667.472 3752220.214 472.00  
LOCATION L0008600 VOLUME 474681.445 3752221.045 472.00  
LOCATION L0008601 VOLUME 474695.423 3752221.818 472.00  
LOCATION L0008602 VOLUME 474709.402 3752222.591 472.00  
LOCATION L0008603 VOLUME 474723.381 3752223.363 472.00  
LOCATION L0008604 VOLUME 474737.359 3752224.136 472.00  
LOCATION L0008605 VOLUME 474751.338 3752224.909 472.00  
LOCATION L0008606 VOLUME 474765.336 3752224.795 472.00  
LOCATION L0008607 VOLUME 474779.336 3752224.649 472.00  
LOCATION L0008608 VOLUME 474793.335 3752224.503 472.00  
LOCATION L0008609 VOLUME 474807.334 3752224.357 472.00  
LOCATION L0008610 VOLUME 474821.333 3752224.210 472.00  
LOCATION L0008611 VOLUME 474835.333 3752224.064 472.00  
LOCATION L0008612 VOLUME 474849.332 3752223.918 472.00  
LOCATION L0008613 VOLUME 474863.331 3752223.772 472.45  
LOCATION L0008614 VOLUME 474877.330 3752223.626 472.92  
LOCATION L0008615 VOLUME 474891.330 3752223.480 473.00  
LOCATION L0008616 VOLUME 474905.329 3752223.334 473.00  
LOCATION L0008617 VOLUME 474919.328 3752223.188 472.68  
LOCATION L0008618 VOLUME 474933.327 3752223.041 472.21  
LOCATION L0008619 VOLUME 474947.327 3752222.895 472.00  
LOCATION L0008620 VOLUME 474961.326 3752222.862 472.00  
LOCATION L0008621 VOLUME 474975.326 3752222.916 472.00  
LOCATION L0008622 VOLUME 474989.326 3752222.971 472.00  
LOCATION L0008623 VOLUME 475003.326 3752223.026 472.00  
LOCATION L0008624 VOLUME 475017.326 3752223.081 472.00  
LOCATION L0008625 VOLUME 475031.326 3752223.136 472.00  
LOCATION L0008626 VOLUME 475045.325 3752223.191 472.00  
LOCATION L0008627 VOLUME 475059.325 3752223.245 472.00  
LOCATION L0008628 VOLUME 475073.325 3752223.300 472.00  
LOCATION L0008629 VOLUME 475087.325 3752223.355 472.00  
LOCATION L0008630 VOLUME 475101.325 3752223.410 472.00  
LOCATION L0008631 VOLUME 475115.325 3752223.465 472.00

LOCATION	VOLUME	VOLUME	VOLUME	VOLUME
LOCATION L0008632	475129.325	3752223.520	472.00	
LOCATION L0008633	475143.325	3752223.574	472.00	
LOCATION L0008634	475157.325	3752223.629	472.00	
LOCATION L0008635	475171.324	3752223.684	472.00	
LOCATION L0008636	475185.324	3752223.739	472.00	
LOCATION L0008637	475199.324	3752223.794	472.00	
LOCATION L0008638	475213.324	3752223.849	472.00	
LOCATION L0008639	475227.324	3752223.903	472.00	
LOCATION L0008640	475241.324	3752223.958	472.00	
LOCATION L0008641	475255.324	3752224.013	472.00	
LOCATION L0008642	475269.324	3752224.068	472.00	
LOCATION L0008643	475283.324	3752224.123	472.00	
LOCATION L0008644	475297.324	3752224.178	472.00	
LOCATION L0008645	475311.323	3752224.232	472.00	
LOCATION L0008646	475325.323	3752224.287	472.00	
LOCATION L0008647	475339.323	3752224.342	472.00	
LOCATION L0008648	475353.323	3752224.397	472.00	
LOCATION L0008649	475367.323	3752224.452	472.00	
LOCATION L0008650	475381.323	3752224.507	472.00	
LOCATION L0008651	475395.323	3752224.561	472.00	
LOCATION L0008652	475409.323	3752224.616	472.00	
LOCATION L0008653	475423.323	3752224.671	472.00	
LOCATION L0008654	475437.322	3752224.726	472.00	
LOCATION L0008655	475451.322	3752224.781	472.00	
LOCATION L0008656	475465.322	3752224.836	472.00	
LOCATION L0008657	475479.322	3752224.890	472.00	
LOCATION L0008658	475493.322	3752224.945	472.00	
LOCATION L0008659	475507.322	3752225.000	472.00	
LOCATION L0008660	475521.322	3752225.055	472.00	
LOCATION L0008661	475535.322	3752225.110	472.00	
LOCATION L0008662	475549.322	3752225.165	472.00	
LOCATION L0008663	475563.321	3752225.219	472.00	
LOCATION L0008664	475577.321	3752225.274	472.00	
LOCATION L0008665	475591.321	3752225.329	472.00	
LOCATION L0008666	475605.321	3752225.384	472.00	
LOCATION L0008667	475619.321	3752225.439	472.00	
LOCATION L0008668	475633.321	3752225.494	472.00	
LOCATION L0008669	475647.321	3752225.548	472.00	
LOCATION L0008670	475661.321	3752225.603	472.00	
LOCATION L0008671	475675.321	3752225.658	472.00	
LOCATION L0008672	475689.321	3752225.713	472.00	
LOCATION L0008673	475703.320	3752225.768	472.00	
LOCATION L0008674	475717.320	3752225.823	472.00	
LOCATION L0008675	475731.320	3752225.877	472.00	
LOCATION L0008676	475745.320	3752225.932	472.00	
LOCATION L0008677	475759.320	3752225.987	472.00	
LOCATION L0008678	475773.320	3752226.042	472.00	
LOCATION L0008679	475787.320	3752226.097	472.00	
LOCATION L0008680	475801.320	3752226.152	472.00	
LOCATION L0008681	475815.320	3752226.206	472.00	
LOCATION L0008682	475829.319	3752226.261	472.00	
LOCATION L0008683	475843.319	3752226.316	472.00	
LOCATION L0008684	475857.319	3752226.371	472.00	

\*\* End of LINE VOLUME Source ID = SLINE29

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE30

\*\* DESCRSRC Bldg A Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0001349

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 7

\*\* 471210.633, 3752241.772, 516.84, 3.49, 4.00

\*\* 471210.633, 3752203.777, 517.86, 3.49, 4.00  
\*\* 471733.391, 3752203.122, 523.94, 3.49, 4.00  
\*\* 471731.426, 3751952.879, 531.30, 3.49, 4.00  
\*\* 471270.901, 3751948.293, 523.22, 3.49, 4.00  
\*\* 471241.422, 3751945.673, 523.93, 3.49, 4.00  
\*\* 471083.546, 3751951.569, 517.03, 3.49, 4.00

\*\*

---

LOCATION	L0008685	VOLUME	471210.633	3752237.477	516.65
LOCATION	L0008686	VOLUME	471210.633	3752228.887	516.96
LOCATION	L0008687	VOLUME	471210.633	3752220.297	517.25
LOCATION	L0008688	VOLUME	471210.633	3752211.707	517.53
LOCATION	L0008689	VOLUME	471211.293	3752203.776	517.70
LOCATION	L0008690	VOLUME	471219.883	3752203.765	518.00
LOCATION	L0008691	VOLUME	471228.473	3752203.754	518.03
LOCATION	L0008692	VOLUME	471237.063	3752203.744	518.06
LOCATION	L0008693	VOLUME	471245.653	3752203.733	518.08
LOCATION	L0008694	VOLUME	471254.243	3752203.722	518.10
LOCATION	L0008695	VOLUME	471262.833	3752203.711	518.10
LOCATION	L0008696	VOLUME	471271.423	3752203.701	518.10
LOCATION	L0008697	VOLUME	471280.013	3752203.690	518.12
LOCATION	L0008698	VOLUME	471288.603	3752203.679	518.43
LOCATION	L0008699	VOLUME	471297.193	3752203.668	518.75
LOCATION	L0008700	VOLUME	471305.783	3752203.657	519.06
LOCATION	L0008701	VOLUME	471314.373	3752203.647	519.38
LOCATION	L0008702	VOLUME	471322.963	3752203.636	519.69
LOCATION	L0008703	VOLUME	471331.553	3752203.625	520.01
LOCATION	L0008704	VOLUME	471340.143	3752203.614	520.34
LOCATION	L0008705	VOLUME	471348.733	3752203.604	520.89
LOCATION	L0008706	VOLUME	471357.322	3752203.593	521.43
LOCATION	L0008707	VOLUME	471365.912	3752203.582	521.97
LOCATION	L0008708	VOLUME	471374.502	3752203.571	522.37
LOCATION	L0008709	VOLUME	471383.092	3752203.561	522.66
LOCATION	L0008710	VOLUME	471391.682	3752203.550	522.94
LOCATION	L0008711	VOLUME	471400.272	3752203.539	523.25
LOCATION	L0008712	VOLUME	471408.862	3752203.528	523.83
LOCATION	L0008713	VOLUME	471417.452	3752203.518	524.40
LOCATION	L0008714	VOLUME	471426.042	3752203.507	524.97
LOCATION	L0008715	VOLUME	471434.632	3752203.496	525.40
LOCATION	L0008716	VOLUME	471443.222	3752203.485	525.71
LOCATION	L0008717	VOLUME	471451.812	3752203.474	526.03
LOCATION	L0008718	VOLUME	471460.402	3752203.464	526.30
LOCATION	L0008719	VOLUME	471468.992	3752203.453	526.07
LOCATION	L0008720	VOLUME	471477.582	3752203.442	525.85
LOCATION	L0008721	VOLUME	471486.172	3752203.431	525.62
LOCATION	L0008722	VOLUME	471494.762	3752203.421	525.69
LOCATION	L0008723	VOLUME	471503.352	3752203.410	525.95
LOCATION	L0008724	VOLUME	471511.942	3752203.399	526.21
LOCATION	L0008725	VOLUME	471520.532	3752203.388	526.43
LOCATION	L0008726	VOLUME	471529.122	3752203.378	526.37
LOCATION	L0008727	VOLUME	471537.712	3752203.367	526.30
LOCATION	L0008728	VOLUME	471546.302	3752203.356	526.24
LOCATION	L0008729	VOLUME	471554.892	3752203.345	525.86
LOCATION	L0008730	VOLUME	471563.482	3752203.335	525.29
LOCATION	L0008731	VOLUME	471572.072	3752203.324	524.72
LOCATION	L0008732	VOLUME	471580.662	3752203.313	524.26
LOCATION	L0008733	VOLUME	471589.252	3752203.302	524.55
LOCATION	L0008734	VOLUME	471597.842	3752203.291	524.83
LOCATION	L0008735	VOLUME	471606.432	3752203.281	525.12
LOCATION	L0008736	VOLUME	471615.022	3752203.270	525.39
LOCATION	L0008737	VOLUME	471623.612	3752203.259	525.64
LOCATION	L0008738	VOLUME	471632.202	3752203.248	525.90
LOCATION	L0008739	VOLUME	471640.792	3752203.238	526.11
LOCATION	L0008740	VOLUME	471649.382	3752203.227	526.11
LOCATION	L0008741	VOLUME	471657.972	3752203.216	526.11
LOCATION	L0008742	VOLUME	471666.562	3752203.205	526.11
LOCATION	L0008743	VOLUME	471675.152	3752203.195	526.09

LOCATION	L0008744	VOLUME	471683.742	3752203.184	526.06
LOCATION	L0008745	VOLUME	471692.332	3752203.173	526.03
LOCATION	L0008746	VOLUME	471700.922	3752203.162	525.91
LOCATION	L0008747	VOLUME	471709.512	3752203.152	525.34
LOCATION	L0008748	VOLUME	471718.102	3752203.141	524.76
LOCATION	L0008749	VOLUME	471726.692	3752203.130	524.19
LOCATION	L0008750	VOLUME	471733.376	3752201.231	523.60
LOCATION	L0008751	VOLUME	471733.309	3752192.641	523.57
LOCATION	L0008752	VOLUME	471733.242	3752184.051	523.54
LOCATION	L0008753	VOLUME	471733.174	3752175.462	523.56
LOCATION	L0008754	VOLUME	471733.107	3752166.872	523.85
LOCATION	L0008755	VOLUME	471733.039	3752158.282	524.15
LOCATION	L0008756	VOLUME	471732.972	3752149.692	524.44
LOCATION	L0008757	VOLUME	471732.904	3752141.103	524.74
LOCATION	L0008758	VOLUME	471732.837	3752132.513	525.03
LOCATION	L0008759	VOLUME	471732.769	3752123.923	525.33
LOCATION	L0008760	VOLUME	471732.702	3752115.333	525.63
LOCATION	L0008761	VOLUME	471732.634	3752106.744	525.95
LOCATION	L0008762	VOLUME	471732.567	3752098.154	526.28
LOCATION	L0008763	VOLUME	471732.499	3752089.564	526.60
LOCATION	L0008764	VOLUME	471732.432	3752080.975	526.90
LOCATION	L0008765	VOLUME	471732.365	3752072.385	527.20
LOCATION	L0008766	VOLUME	471732.297	3752063.795	527.49
LOCATION	L0008767	VOLUME	471732.230	3752055.205	527.78
LOCATION	L0008768	VOLUME	471732.162	3752046.616	528.07
LOCATION	L0008769	VOLUME	471732.095	3752038.026	528.37
LOCATION	L0008770	VOLUME	471732.027	3752029.436	528.66
LOCATION	L0008771	VOLUME	471731.960	3752020.846	528.98
LOCATION	L0008772	VOLUME	471731.892	3752012.257	529.32
LOCATION	L0008773	VOLUME	471731.825	3752003.667	529.66
LOCATION	L0008774	VOLUME	471731.757	3751995.077	529.98
LOCATION	L0008775	VOLUME	471731.690	3751986.487	530.27
LOCATION	L0008776	VOLUME	471731.623	3751977.898	530.56
LOCATION	L0008777	VOLUME	471731.555	3751969.308	530.84
LOCATION	L0008778	VOLUME	471731.488	3751960.718	531.13
LOCATION	L0008779	VOLUME	471730.676	3751952.871	531.42
LOCATION	L0008780	VOLUME	471722.086	3751952.786	532.06
LOCATION	L0008781	VOLUME	471713.497	3751952.700	532.75
LOCATION	L0008782	VOLUME	471704.907	3751952.615	533.44
LOCATION	L0008783	VOLUME	471696.318	3751952.529	533.94
LOCATION	L0008784	VOLUME	471687.728	3751952.444	534.10
LOCATION	L0008785	VOLUME	471679.138	3751952.358	534.26
LOCATION	L0008786	VOLUME	471670.549	3751952.273	534.42
LOCATION	L0008787	VOLUME	471661.959	3751952.187	534.71
LOCATION	L0008788	VOLUME	471653.370	3751952.102	535.01
LOCATION	L0008789	VOLUME	471644.780	3751952.016	535.31
LOCATION	L0008790	VOLUME	471636.190	3751951.930	535.55
LOCATION	L0008791	VOLUME	471627.601	3751951.845	535.70
LOCATION	L0008792	VOLUME	471619.011	3751951.759	535.84
LOCATION	L0008793	VOLUME	471610.422	3751951.674	535.99
LOCATION	L0008794	VOLUME	471601.832	3751951.588	535.87
LOCATION	L0008795	VOLUME	471593.243	3751951.503	535.73
LOCATION	L0008796	VOLUME	471584.653	3751951.417	535.58
LOCATION	L0008797	VOLUME	471576.063	3751951.332	535.32
LOCATION	L0008798	VOLUME	471567.474	3751951.246	534.89
LOCATION	L0008799	VOLUME	471558.884	3751951.161	534.46
LOCATION	L0008800	VOLUME	471550.295	3751951.075	534.04
LOCATION	L0008801	VOLUME	471541.705	3751950.990	533.61
LOCATION	L0008802	VOLUME	471533.116	3751950.904	533.19
LOCATION	L0008803	VOLUME	471524.526	3751950.819	532.77
LOCATION	L0008804	VOLUME	471515.936	3751950.733	532.35
LOCATION	L0008805	VOLUME	471507.347	3751950.648	531.91
LOCATION	L0008806	VOLUME	471498.757	3751950.562	531.47
LOCATION	L0008807	VOLUME	471490.168	3751950.476	531.03
LOCATION	L0008808	VOLUME	471481.578	3751950.391	530.73
LOCATION	L0008809	VOLUME	471472.989	3751950.305	530.45

LOCATION	VOLUME				
LOCATION L0008810	VOLUME	471464.399	3751950.220	530.16	
LOCATION L0008811	VOLUME	471455.809	3751950.134	529.75	
LOCATION L0008812	VOLUME	471447.220	3751950.049	529.18	
LOCATION L0008813	VOLUME	471438.630	3751949.963	528.61	
LOCATION L0008814	VOLUME	471430.041	3751949.878	528.03	
LOCATION L0008815	VOLUME	471421.451	3751949.792	527.58	
LOCATION L0008816	VOLUME	471412.862	3751949.707	527.13	
LOCATION L0008817	VOLUME	471404.272	3751949.621	526.68	
LOCATION L0008818	VOLUME	471395.682	3751949.536	526.12	
LOCATION L0008819	VOLUME	471387.093	3751949.450	525.42	
LOCATION L0008820	VOLUME	471378.503	3751949.365	524.72	
LOCATION L0008821	VOLUME	471369.914	3751949.279	524.03	
LOCATION L0008822	VOLUME	471361.324	3751949.194	523.73	
LOCATION L0008823	VOLUME	471352.735	3751949.108	523.44	
LOCATION L0008824	VOLUME	471344.145	3751949.022	523.15	
LOCATION L0008825	VOLUME	471335.555	3751948.937	522.87	
LOCATION L0008826	VOLUME	471326.966	3751948.851	522.58	
LOCATION L0008827	VOLUME	471318.376	3751948.766	522.29	
LOCATION L0008828	VOLUME	471309.787	3751948.680	522.01	
LOCATION L0008829	VOLUME	471301.197	3751948.595	522.06	
LOCATION L0008830	VOLUME	471292.608	3751948.509	522.12	
LOCATION L0008831	VOLUME	471284.018	3751948.424	522.18	
LOCATION L0008832	VOLUME	471275.428	3751948.338	522.41	
LOCATION L0008833	VOLUME	471266.855	3751947.934	522.83	
LOCATION L0008834	VOLUME	471258.298	3751947.173	523.26	
LOCATION L0008835	VOLUME	471249.742	3751946.412	523.67	
LOCATION L0008836	VOLUME	471241.185	3751945.682	523.53	
LOCATION L0008837	VOLUME	471232.601	3751946.002	523.34	
LOCATION L0008838	VOLUME	471224.017	3751946.323	523.13	
LOCATION L0008839	VOLUME	471215.433	3751946.643	522.86	
LOCATION L0008840	VOLUME	471206.849	3751946.964	522.55	
LOCATION L0008841	VOLUME	471198.265	3751947.284	522.23	
LOCATION L0008842	VOLUME	471189.681	3751947.605	521.91	
LOCATION L0008843	VOLUME	471181.097	3751947.926	521.31	
LOCATION L0008844	VOLUME	471172.513	3751948.246	520.71	
LOCATION L0008845	VOLUME	471163.929	3751948.567	520.10	
LOCATION L0008846	VOLUME	471155.345	3751948.887	519.69	
LOCATION L0008847	VOLUME	471146.761	3751949.208	519.50	
LOCATION L0008848	VOLUME	471138.177	3751949.528	519.31	
LOCATION L0008849	VOLUME	471129.593	3751949.849	519.12	
LOCATION L0008850	VOLUME	471121.009	3751950.170	518.94	
LOCATION L0008851	VOLUME	471112.425	3751950.490	518.77	
LOCATION L0008852	VOLUME	471103.841	3751950.811	518.60	
LOCATION L0008853	VOLUME	471095.257	3751951.131	518.30	
LOCATION L0008854	VOLUME	471086.673	3751951.452	517.86	

\*\* End of LINE VOLUME Source ID = SLINE30

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE31

\*\* DESCRSRC Bldg B Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0001935

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 8

\*\* 471151.020, 3751871.648, 523.19, 3.49, 4.00

\*\* 471151.020, 3751844.790, 520.55, 3.49, 4.00

\*\* 471748.458, 3751841.514, 536.62, 3.49, 4.00

\*\* 471750.424, 3751576.204, 534.72, 3.49, 4.00

\*\* 471187.050, 3751574.239, 526.99, 3.49, 4.00

\*\* 471157.571, 3751570.964, 525.98, 3.49, 4.00

\*\* 471153.640, 3751562.447, 525.73, 3.49, 4.00

\*\* 471153.640, 3751534.279, 525.00, 3.49, 4.00

\*\* -----

LOCATION	L0008855	VOLUME	471151.020	3751867.353	522.11
LOCATION	L0008856	VOLUME	471151.020	3751858.763	521.41
LOCATION	L0008857	VOLUME	471151.020	3751850.173	520.72
LOCATION	L0008858	VOLUME	471154.226	3751844.772	520.47
LOCATION	L0008859	VOLUME	471162.816	3751844.725	520.81
LOCATION	L0008860	VOLUME	471171.406	3751844.678	520.80
LOCATION	L0008861	VOLUME	471179.996	3751844.631	520.80
LOCATION	L0008862	VOLUME	471188.586	3751844.584	520.79
LOCATION	L0008863	VOLUME	471197.176	3751844.536	520.55
LOCATION	L0008864	VOLUME	471205.765	3751844.489	520.28
LOCATION	L0008865	VOLUME	471214.355	3751844.442	520.01
LOCATION	L0008866	VOLUME	471222.945	3751844.395	519.67
LOCATION	L0008867	VOLUME	471231.535	3751844.348	519.20
LOCATION	L0008868	VOLUME	471240.125	3751844.301	518.74
LOCATION	L0008869	VOLUME	471248.715	3751844.254	518.28
LOCATION	L0008870	VOLUME	471257.305	3751844.207	519.52
LOCATION	L0008871	VOLUME	471265.895	3751844.160	520.93
LOCATION	L0008872	VOLUME	471274.484	3751844.113	522.34
LOCATION	L0008873	VOLUME	471283.074	3751844.066	523.27
LOCATION	L0008874	VOLUME	471291.664	3751844.018	523.51
LOCATION	L0008875	VOLUME	471300.254	3751843.971	523.75
LOCATION	L0008876	VOLUME	471308.844	3751843.924	523.98
LOCATION	L0008877	VOLUME	471317.434	3751843.877	523.76
LOCATION	L0008878	VOLUME	471326.024	3751843.830	523.50
LOCATION	L0008879	VOLUME	471334.613	3751843.783	523.24
LOCATION	L0008880	VOLUME	471343.203	3751843.736	523.21
LOCATION	L0008881	VOLUME	471351.793	3751843.689	523.47
LOCATION	L0008882	VOLUME	471360.383	3751843.642	523.73
LOCATION	L0008883	VOLUME	471368.973	3751843.595	523.98
LOCATION	L0008884	VOLUME	471377.563	3751843.548	524.24
LOCATION	L0008885	VOLUME	471386.153	3751843.500	524.50
LOCATION	L0008886	VOLUME	471394.743	3751843.453	524.75
LOCATION	L0008887	VOLUME	471403.332	3751843.406	525.03
LOCATION	L0008888	VOLUME	471411.922	3751843.359	525.35
LOCATION	L0008889	VOLUME	471420.512	3751843.312	525.67
LOCATION	L0008890	VOLUME	471429.102	3751843.265	525.98
LOCATION	L0008891	VOLUME	471437.692	3751843.218	526.54
LOCATION	L0008892	VOLUME	471446.282	3751843.171	527.12
LOCATION	L0008893	VOLUME	471454.872	3751843.124	527.69
LOCATION	L0008894	VOLUME	471463.462	3751843.077	528.24
LOCATION	L0008895	VOLUME	471472.051	3751843.030	528.78
LOCATION	L0008896	VOLUME	471480.641	3751842.982	529.32
LOCATION	L0008897	VOLUME	471489.231	3751842.935	529.86
LOCATION	L0008898	VOLUME	471497.821	3751842.888	530.18
LOCATION	L0008899	VOLUME	471506.411	3751842.841	530.51
LOCATION	L0008900	VOLUME	471515.001	3751842.794	530.83
LOCATION	L0008901	VOLUME	471523.591	3751842.747	531.39
LOCATION	L0008902	VOLUME	471532.181	3751842.700	532.21
LOCATION	L0008903	VOLUME	471540.770	3751842.653	533.03
LOCATION	L0008904	VOLUME	471549.360	3751842.606	533.85
LOCATION	L0008905	VOLUME	471557.950	3751842.559	534.39
LOCATION	L0008906	VOLUME	471566.540	3751842.511	534.92
LOCATION	L0008907	VOLUME	471575.130	3751842.464	535.45
LOCATION	L0008908	VOLUME	471583.720	3751842.417	535.74
LOCATION	L0008909	VOLUME	471592.310	3751842.370	535.78
LOCATION	L0008910	VOLUME	471600.899	3751842.323	535.81
LOCATION	L0008911	VOLUME	471609.489	3751842.276	535.85
LOCATION	L0008912	VOLUME	471618.079	3751842.229	535.89
LOCATION	L0008913	VOLUME	471626.669	3751842.182	535.94
LOCATION	L0008914	VOLUME	471635.259	3751842.135	535.98
LOCATION	L0008915	VOLUME	471643.849	3751842.088	536.00
LOCATION	L0008916	VOLUME	471652.439	3751842.041	536.00
LOCATION	L0008917	VOLUME	471661.029	3751841.993	536.00
LOCATION	L0008918	VOLUME	471669.618	3751841.946	536.00
LOCATION	L0008919	VOLUME	471678.208	3751841.899	536.00
LOCATION	L0008920	VOLUME	471686.798	3751841.852	536.00

LOCATION	L0008921	VOLUME	471695.388	3751841.805	536.00
LOCATION	L0008922	VOLUME	471703.978	3751841.758	536.00
LOCATION	L0008923	VOLUME	471712.568	3751841.711	536.00
LOCATION	L0008924	VOLUME	471721.158	3751841.664	536.00
LOCATION	L0008925	VOLUME	471729.748	3751841.617	536.01
LOCATION	L0008926	VOLUME	471738.337	3751841.570	536.29
LOCATION	L0008927	VOLUME	471746.927	3751841.523	536.58
LOCATION	L0008928	VOLUME	471748.511	3751834.455	536.63
LOCATION	L0008929	VOLUME	471748.574	3751825.866	536.63
LOCATION	L0008930	VOLUME	471748.638	3751817.276	536.64
LOCATION	L0008931	VOLUME	471748.701	3751808.686	536.64
LOCATION	L0008932	VOLUME	471748.765	3751800.096	536.64
LOCATION	L0008933	VOLUME	471748.829	3751791.507	536.64
LOCATION	L0008934	VOLUME	471748.892	3751782.917	536.56
LOCATION	L0008935	VOLUME	471748.956	3751774.327	536.38
LOCATION	L0008936	VOLUME	471749.020	3751765.737	536.20
LOCATION	L0008937	VOLUME	471749.083	3751757.147	536.01
LOCATION	L0008938	VOLUME	471749.147	3751748.558	535.91
LOCATION	L0008939	VOLUME	471749.210	3751739.968	535.81
LOCATION	L0008940	VOLUME	471749.274	3751731.378	535.71
LOCATION	L0008941	VOLUME	471749.338	3751722.788	535.66
LOCATION	L0008942	VOLUME	471749.401	3751714.199	535.66
LOCATION	L0008943	VOLUME	471749.465	3751705.609	535.66
LOCATION	L0008944	VOLUME	471749.529	3751697.019	535.67
LOCATION	L0008945	VOLUME	471749.592	3751688.429	535.67
LOCATION	L0008946	VOLUME	471749.656	3751679.840	535.67
LOCATION	L0008947	VOLUME	471749.720	3751671.250	535.67
LOCATION	L0008948	VOLUME	471749.783	3751662.660	535.54
LOCATION	L0008949	VOLUME	471749.847	3751654.070	535.26
LOCATION	L0008950	VOLUME	471749.910	3751645.481	534.97
LOCATION	L0008951	VOLUME	471749.974	3751636.891	534.69
LOCATION	L0008952	VOLUME	471750.038	3751628.301	534.68
LOCATION	L0008953	VOLUME	471750.101	3751619.711	534.68
LOCATION	L0008954	VOLUME	471750.165	3751611.121	534.69
LOCATION	L0008955	VOLUME	471750.229	3751602.532	534.65
LOCATION	L0008956	VOLUME	471750.292	3751593.942	534.56
LOCATION	L0008957	VOLUME	471750.356	3751585.352	534.48
LOCATION	L0008958	VOLUME	471750.419	3751576.762	534.39
LOCATION	L0008959	VOLUME	471742.392	3751576.176	533.84
LOCATION	L0008960	VOLUME	471733.802	3751576.146	533.27
LOCATION	L0008961	VOLUME	471725.212	3751576.116	532.69
LOCATION	L0008962	VOLUME	471716.622	3751576.086	532.13
LOCATION	L0008963	VOLUME	471708.032	3751576.056	531.56
LOCATION	L0008964	VOLUME	471699.442	3751576.026	530.99
LOCATION	L0008965	VOLUME	471690.852	3751575.996	530.42
LOCATION	L0008966	VOLUME	471682.262	3751575.966	529.85
LOCATION	L0008967	VOLUME	471673.672	3751575.937	529.27
LOCATION	L0008968	VOLUME	471665.082	3751575.907	529.00
LOCATION	L0008969	VOLUME	471656.492	3751575.877	529.00
LOCATION	L0008970	VOLUME	471647.902	3751575.847	529.00
LOCATION	L0008971	VOLUME	471639.312	3751575.817	529.00
LOCATION	L0008972	VOLUME	471630.722	3751575.787	529.01
LOCATION	L0008973	VOLUME	471622.132	3751575.757	529.02
LOCATION	L0008974	VOLUME	471613.543	3751575.727	529.03
LOCATION	L0008975	VOLUME	471604.953	3751575.697	529.18
LOCATION	L0008976	VOLUME	471596.363	3751575.667	529.46
LOCATION	L0008977	VOLUME	471587.773	3751575.637	529.74
LOCATION	L0008978	VOLUME	471579.183	3751575.607	530.00
LOCATION	L0008979	VOLUME	471570.593	3751575.577	530.00
LOCATION	L0008980	VOLUME	471562.003	3751575.547	530.00
LOCATION	L0008981	VOLUME	471553.413	3751575.517	530.00
LOCATION	L0008982	VOLUME	471544.823	3751575.487	530.16
LOCATION	L0008983	VOLUME	471536.233	3751575.457	530.46
LOCATION	L0008984	VOLUME	471527.643	3751575.427	530.76
LOCATION	L0008985	VOLUME	471519.053	3751575.397	531.04
LOCATION	L0008986	VOLUME	471510.463	3751575.367	531.04



LOCATION	VOLUME				
LOCATION L0008987	VOLUME	471501.873	3751575.337	531.04	
LOCATION L0008988	VOLUME	471493.283	3751575.307	531.04	
LOCATION L0008989	VOLUME	471484.693	3751575.277	531.36	
LOCATION L0008990	VOLUME	471476.103	3751575.247	531.92	
LOCATION L0008991	VOLUME	471467.513	3751575.217	532.48	
LOCATION L0008992	VOLUME	471458.923	3751575.187	533.02	
LOCATION L0008993	VOLUME	471450.334	3751575.157	533.31	
LOCATION L0008994	VOLUME	471441.744	3751575.127	533.59	
LOCATION L0008995	VOLUME	471433.154	3751575.097	533.88	
LOCATION L0008996	VOLUME	471424.564	3751575.068	534.32	
LOCATION L0008997	VOLUME	471415.974	3751575.038	534.88	
LOCATION L0008998	VOLUME	471407.384	3751575.008	535.44	
LOCATION L0008999	VOLUME	471398.794	3751574.978	535.97	
LOCATION L0009000	VOLUME	471390.204	3751574.948	536.24	
LOCATION L0009001	VOLUME	471381.614	3751574.918	536.51	
LOCATION L0009002	VOLUME	471373.024	3751574.888	536.77	
LOCATION L0009003	VOLUME	471364.434	3751574.858	536.70	
LOCATION L0009004	VOLUME	471355.844	3751574.828	536.39	
LOCATION L0009005	VOLUME	471347.254	3751574.798	536.09	
LOCATION L0009006	VOLUME	471338.664	3751574.768	535.67	
LOCATION L0009007	VOLUME	471330.074	3751574.738	534.33	
LOCATION L0009008	VOLUME	471321.484	3751574.708	532.99	
LOCATION L0009009	VOLUME	471312.894	3751574.678	531.65	
LOCATION L0009010	VOLUME	471304.304	3751574.648	530.95	
LOCATION L0009011	VOLUME	471295.714	3751574.618	530.64	
LOCATION L0009012	VOLUME	471287.125	3751574.588	530.34	
LOCATION L0009013	VOLUME	471278.535	3751574.558	530.04	
LOCATION L0009014	VOLUME	471269.945	3751574.528	529.75	
LOCATION L0009015	VOLUME	471261.355	3751574.498	529.47	
LOCATION L0009016	VOLUME	471252.765	3751574.468	529.18	
LOCATION L0009017	VOLUME	471244.175	3751574.438	528.73	
LOCATION L0009018	VOLUME	471235.585	3751574.408	528.18	
LOCATION L0009019	VOLUME	471226.995	3751574.378	527.63	
LOCATION L0009020	VOLUME	471218.405	3751574.348	527.15	
LOCATION L0009021	VOLUME	471209.815	3751574.318	527.11	
LOCATION L0009022	VOLUME	471201.225	3751574.288	527.06	
LOCATION L0009023	VOLUME	471192.635	3751574.258	527.02	
LOCATION L0009024	VOLUME	471184.044	3751573.907	526.80	
LOCATION L0009025	VOLUME	471175.526	3751572.959	526.48	
LOCATION L0009026	VOLUME	471166.989	3751572.010	526.13	
LOCATION L0009027	VOLUME	471158.451	3751571.061	525.81	
LOCATION L0009028	VOLUME	471154.342	3751563.969	525.50	
LOCATION L0009029	VOLUME	471153.640	3751555.533	525.16	
LOCATION L0009030	VOLUME	471153.640	3751546.943	524.81	
LOCATION L0009031	VOLUME	471153.640	3751538.353	524.80	

\*\* End of LINE VOLUME Source ID = SLINE31

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE32

\*\* DESCRSRC Bldg C Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00004888

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 5

\*\* 472058.314, 3751895.231, 527.34, 3.49, 4.00

\*\* 472068.795, 3751928.641, 524.74, 3.49, 4.00

\*\* 472062.900, 3752218.189, 520.93, 3.49, 4.00

\*\* 471823.138, 3752219.499, 518.28, 3.49, 4.00

\*\* 471827.069, 3751910.298, 536.03, 3.49, 4.00

\*\* -----

LOCATION L0009032	VOLUME	472059.600	3751899.329	526.97	
LOCATION L0009033	VOLUME	472062.171	3751907.525	526.05	
LOCATION L0009034	VOLUME	472064.742	3751915.721	525.71	

LOCATION	L0009035	VOLUME	472067.314	3751923.918	525.24
LOCATION	L0009036	VOLUME	472068.721	3751932.280	524.67
LOCATION	L0009037	VOLUME	472068.546	3751940.868	523.88
LOCATION	L0009038	VOLUME	472068.372	3751949.456	522.83
LOCATION	L0009039	VOLUME	472068.197	3751958.045	521.78
LOCATION	L0009040	VOLUME	472068.022	3751966.633	520.72
LOCATION	L0009041	VOLUME	472067.847	3751975.221	520.98
LOCATION	L0009042	VOLUME	472067.672	3751983.809	521.26
LOCATION	L0009043	VOLUME	472067.497	3751992.397	521.55
LOCATION	L0009044	VOLUME	472067.322	3752000.986	521.89
LOCATION	L0009045	VOLUME	472067.147	3752009.574	522.28
LOCATION	L0009046	VOLUME	472066.973	3752018.162	522.66
LOCATION	L0009047	VOLUME	472066.798	3752026.750	523.04
LOCATION	L0009048	VOLUME	472066.623	3752035.338	522.92
LOCATION	L0009049	VOLUME	472066.448	3752043.927	522.82
LOCATION	L0009050	VOLUME	472066.273	3752052.515	522.72
LOCATION	L0009051	VOLUME	472066.098	3752061.103	522.85
LOCATION	L0009052	VOLUME	472065.923	3752069.691	523.17
LOCATION	L0009053	VOLUME	472065.748	3752078.280	523.49
LOCATION	L0009054	VOLUME	472065.574	3752086.868	523.80
LOCATION	L0009055	VOLUME	472065.399	3752095.456	523.89
LOCATION	L0009056	VOLUME	472065.224	3752104.044	523.98
LOCATION	L0009057	VOLUME	472065.049	3752112.632	524.06
LOCATION	L0009058	VOLUME	472064.874	3752121.221	523.96
LOCATION	L0009059	VOLUME	472064.699	3752129.809	523.71
LOCATION	L0009060	VOLUME	472064.524	3752138.397	523.45
LOCATION	L0009061	VOLUME	472064.349	3752146.985	523.19
LOCATION	L0009062	VOLUME	472064.175	3752155.574	522.73
LOCATION	L0009063	VOLUME	472064.000	3752164.162	522.27
LOCATION	L0009064	VOLUME	472063.825	3752172.750	521.80
LOCATION	L0009065	VOLUME	472063.650	3752181.338	521.48
LOCATION	L0009066	VOLUME	472063.475	3752189.926	521.28
LOCATION	L0009067	VOLUME	472063.300	3752198.515	521.08
LOCATION	L0009068	VOLUME	472063.125	3752207.103	520.87
LOCATION	L0009069	VOLUME	472062.950	3752215.691	520.59
LOCATION	L0009070	VOLUME	472056.808	3752218.222	520.61
LOCATION	L0009071	VOLUME	472048.218	3752218.269	520.61
LOCATION	L0009072	VOLUME	472039.628	3752218.316	520.61
LOCATION	L0009073	VOLUME	472031.038	3752218.363	520.61
LOCATION	L0009074	VOLUME	472022.448	3752218.410	519.99
LOCATION	L0009075	VOLUME	472013.858	3752218.457	519.24
LOCATION	L0009076	VOLUME	472005.268	3752218.504	518.49
LOCATION	L0009077	VOLUME	471996.679	3752218.550	517.96
LOCATION	L0009078	VOLUME	471988.089	3752218.597	517.85
LOCATION	L0009079	VOLUME	471979.499	3752218.644	517.73
LOCATION	L0009080	VOLUME	471970.909	3752218.691	517.62
LOCATION	L0009081	VOLUME	471962.319	3752218.738	517.84
LOCATION	L0009082	VOLUME	471953.729	3752218.785	518.12
LOCATION	L0009083	VOLUME	471945.139	3752218.832	518.41
LOCATION	L0009084	VOLUME	471936.550	3752218.879	518.69
LOCATION	L0009085	VOLUME	471927.960	3752218.926	518.98
LOCATION	L0009086	VOLUME	471919.370	3752218.973	519.26
LOCATION	L0009087	VOLUME	471910.780	3752219.020	519.55
LOCATION	L0009088	VOLUME	471902.190	3752219.067	519.59
LOCATION	L0009089	VOLUME	471893.600	3752219.114	519.58
LOCATION	L0009090	VOLUME	471885.010	3752219.161	519.58
LOCATION	L0009091	VOLUME	471876.420	3752219.208	519.52
LOCATION	L0009092	VOLUME	471867.831	3752219.255	519.35
LOCATION	L0009093	VOLUME	471859.241	3752219.302	519.19
LOCATION	L0009094	VOLUME	471850.651	3752219.348	519.02
LOCATION	L0009095	VOLUME	471842.061	3752219.395	518.64
LOCATION	L0009096	VOLUME	471833.471	3752219.442	518.23
LOCATION	L0009097	VOLUME	471824.881	3752219.489	517.82
LOCATION	L0009098	VOLUME	471823.225	3752212.652	517.95
LOCATION	L0009099	VOLUME	471823.334	3752204.063	518.30
LOCATION	L0009100	VOLUME	471823.444	3752195.474	518.87

LOCATION	VOLUME				
L0009101	471823.553	3752186.885	519.45		
L0009102	471823.662	3752178.295	520.03		
L0009103	471823.771	3752169.706	520.63		
L0009104	471823.880	3752161.117	521.25		
L0009105	471823.989	3752152.527	521.87		
L0009106	471824.099	3752143.938	522.56		
L0009107	471824.208	3752135.349	523.38		
L0009108	471824.317	3752126.759	524.20		
L0009109	471824.426	3752118.170	525.02		
L0009110	471824.535	3752109.581	525.44		
L0009111	471824.645	3752100.991	525.78		
L0009112	471824.754	3752092.402	526.12		
L0009113	471824.863	3752083.813	526.46		
L0009114	471824.972	3752075.224	526.81		
L0009115	471825.081	3752066.634	527.16		
L0009116	471825.190	3752058.045	527.51		
L0009117	471825.300	3752049.456	527.86		
L0009118	471825.409	3752040.866	528.21		
L0009119	471825.518	3752032.277	528.57		
L0009120	471825.627	3752023.688	529.02		
L0009121	471825.736	3752015.098	529.67		
L0009122	471825.846	3752006.509	530.32		
L0009123	471825.955	3751997.920	530.97		
L0009124	471826.064	3751989.330	531.52		
L0009125	471826.173	3751980.741	532.04		
L0009126	471826.282	3751972.152	532.57		
L0009127	471826.392	3751963.563	533.11		
L0009128	471826.501	3751954.973	533.70		
L0009129	471826.610	3751946.384	534.29		
L0009130	471826.719	3751937.795	534.88		
L0009131	471826.828	3751929.205	535.28		
L0009132	471826.937	3751920.616	535.66		
L0009133	471827.047	3751912.027	536.02		

\*\* End of LINE VOLUME Source ID = SLINE32

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE33

\*\* DESCRSRC Bldg D Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.989E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 3

\*\* 471800.210, 3751645.643, 536.51, 3.49, 4.00

\*\* 471824.448, 3751646.298, 538.29, 3.49, 4.00

\*\* 471826.414, 3751872.303, 536.15, 3.49, 4.00

\*\* -----

LOCATION	VOLUME				
L0009134	471804.504	3751645.759	537.30		
L0009135	471813.090	3751645.991	537.88		
L0009136	471821.677	3751646.224	538.49		
L0009137	471824.499	3751652.116	538.84		
L0009138	471824.574	3751660.706	539.04		
L0009139	471824.648	3751669.296	539.08		
L0009140	471824.723	3751677.885	538.80		
L0009141	471824.798	3751686.475	538.51		
L0009142	471824.872	3751695.065	538.23		
L0009143	471824.947	3751703.654	538.18		
L0009144	471825.022	3751712.244	538.18		
L0009145	471825.096	3751720.834	538.18		
L0009146	471825.171	3751729.423	538.19		
L0009147	471825.246	3751738.013	538.19		
L0009148	471825.320	3751746.603	538.19		
L0009149	471825.395	3751755.192	538.19		
L0009150	471825.470	3751763.782	538.20		

LOCATION	L0009151	VOLUME	471825.545	3751772.372	538.20
LOCATION	L0009152	VOLUME	471825.619	3751780.961	538.20
LOCATION	L0009153	VOLUME	471825.694	3751789.551	538.20
LOCATION	L0009154	VOLUME	471825.769	3751798.141	538.21
LOCATION	L0009155	VOLUME	471825.843	3751806.730	538.21
LOCATION	L0009156	VOLUME	471825.918	3751815.320	538.21
LOCATION	L0009157	VOLUME	471825.993	3751823.910	537.92
LOCATION	L0009158	VOLUME	471826.067	3751832.499	537.57
LOCATION	L0009159	VOLUME	471826.142	3751841.089	537.23
LOCATION	L0009160	VOLUME	471826.217	3751849.679	536.92
LOCATION	L0009161	VOLUME	471826.291	3751858.268	536.70
LOCATION	L0009162	VOLUME	471826.366	3751866.858	536.48

\*\* End of LINE VOLUME Source ID = SLINE33

\*\*

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

\*\* LINE VOLUME Source ID = SLINE34

\*\* DESCRSRC Bldg E Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 2.448E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471470.702, 3751503.490, 534.12, 3.49, 4.00

\*\* 471476.598, 3751257.177, 526.08, 3.49, 4.00

\*\*

LOCATION	L0009163	VOLUME	471470.805	3751499.196	534.21
LOCATION	L0009164	VOLUME	471471.010	3751490.608	534.49
LOCATION	L0009165	VOLUME	471471.216	3751482.021	534.71
LOCATION	L0009166	VOLUME	471471.421	3751473.433	534.87
LOCATION	L0009167	VOLUME	471471.627	3751464.846	535.03
LOCATION	L0009168	VOLUME	471471.832	3751456.258	535.17
LOCATION	L0009169	VOLUME	471472.038	3751447.671	534.99
LOCATION	L0009170	VOLUME	471472.243	3751439.083	534.82
LOCATION	L0009171	VOLUME	471472.449	3751430.496	534.64
LOCATION	L0009172	VOLUME	471472.655	3751421.908	534.41
LOCATION	L0009173	VOLUME	471472.860	3751413.321	534.11
LOCATION	L0009174	VOLUME	471473.066	3751404.733	533.82
LOCATION	L0009175	VOLUME	471473.271	3751396.145	533.52
LOCATION	L0009176	VOLUME	471473.477	3751387.558	533.09
LOCATION	L0009177	VOLUME	471473.682	3751378.970	532.66
LOCATION	L0009178	VOLUME	471473.888	3751370.383	532.23
LOCATION	L0009179	VOLUME	471474.093	3751361.795	531.79
LOCATION	L0009180	VOLUME	471474.299	3751353.208	531.34
LOCATION	L0009181	VOLUME	471474.505	3751344.620	530.90
LOCATION	L0009182	VOLUME	471474.710	3751336.033	530.45
LOCATION	L0009183	VOLUME	471474.916	3751327.445	529.87
LOCATION	L0009184	VOLUME	471475.121	3751318.858	529.29
LOCATION	L0009185	VOLUME	471475.327	3751310.270	528.72
LOCATION	L0009186	VOLUME	471475.532	3751301.682	528.23
LOCATION	L0009187	VOLUME	471475.738	3751293.095	527.84
LOCATION	L0009188	VOLUME	471475.943	3751284.507	527.45
LOCATION	L0009189	VOLUME	471476.149	3751275.920	527.08
LOCATION	L0009190	VOLUME	471476.354	3751267.332	526.81
LOCATION	L0009191	VOLUME	471476.560	3751258.745	526.54

\*\* End of LINE VOLUME Source ID = SLINE34

\*\*

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

\*\* LINE VOLUME Source ID = SLINE35

\*\* DESCRSRC Bldg F Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 2.428E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 471418.295, 3751503.490, 535.70, 3.49, 4.00  
\*\* 471422.225, 3751259.143, 524.24, 3.49, 4.00

-----  
LOCATION L0009192 VOLUME 471418.364 3751499.195 535.95  
LOCATION L0009193 VOLUME 471418.502 3751490.606 536.24  
LOCATION L0009194 VOLUME 471418.640 3751482.017 536.46  
LOCATION L0009195 VOLUME 471418.778 3751473.429 536.64  
LOCATION L0009196 VOLUME 471418.917 3751464.840 536.82  
LOCATION L0009197 VOLUME 471419.055 3751456.251 536.99  
LOCATION L0009198 VOLUME 471419.193 3751447.662 536.80  
LOCATION L0009199 VOLUME 471419.331 3751439.073 536.61  
LOCATION L0009200 VOLUME 471419.469 3751430.484 536.42  
LOCATION L0009201 VOLUME 471419.607 3751421.895 536.17  
LOCATION L0009202 VOLUME 471419.746 3751413.306 535.88  
LOCATION L0009203 VOLUME 471419.884 3751404.717 535.59  
LOCATION L0009204 VOLUME 471420.022 3751396.129 535.28  
LOCATION L0009205 VOLUME 471420.160 3751387.540 534.71  
LOCATION L0009206 VOLUME 471420.298 3751378.951 534.13  
LOCATION L0009207 VOLUME 471420.436 3751370.362 533.55  
LOCATION L0009208 VOLUME 471420.575 3751361.773 532.88  
LOCATION L0009209 VOLUME 471420.713 3751353.184 532.13  
LOCATION L0009210 VOLUME 471420.851 3751344.595 531.39  
LOCATION L0009211 VOLUME 471420.989 3751336.006 530.67  
LOCATION L0009212 VOLUME 471421.127 3751327.417 530.10  
LOCATION L0009213 VOLUME 471421.265 3751318.829 529.54  
LOCATION L0009214 VOLUME 471421.403 3751310.240 528.97  
LOCATION L0009215 VOLUME 471421.542 3751301.651 528.28  
LOCATION L0009216 VOLUME 471421.680 3751293.062 527.50  
LOCATION L0009217 VOLUME 471421.818 3751284.473 526.71  
LOCATION L0009218 VOLUME 471421.956 3751275.884 525.95  
LOCATION L0009219 VOLUME 471422.094 3751267.295 525.38

\*\* End of LINE VOLUME Source ID = SLINE35

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

\*\* LINE VOLUME Source ID = SLINE36

\*\* DESCRSRC Bldg G Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 2.681E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 4

\*\* 471107.129, 3752267.320, 510.95, 3.49, 4.00

\*\* 471107.129, 3752298.764, 509.32, 3.49, 4.00

\*\* 471317.412, 3752299.419, 513.10, 3.49, 4.00

\*\* 471317.412, 3752271.251, 515.31, 3.49, 4.00

-----  
LOCATION L0009220 VOLUME 471107.129 3752271.615 511.01  
LOCATION L0009221 VOLUME 471107.129 3752280.205 510.58  
LOCATION L0009222 VOLUME 471107.129 3752288.795 510.15  
LOCATION L0009223 VOLUME 471107.129 3752297.385 509.77  
LOCATION L0009224 VOLUME 471114.340 3752298.787 510.48  
LOCATION L0009225 VOLUME 471122.930 3752298.813 511.30  
LOCATION L0009226 VOLUME 471131.520 3752298.840 511.94  
LOCATION L0009227 VOLUME 471140.110 3752298.867 511.98  
LOCATION L0009228 VOLUME 471148.700 3752298.894 512.02  
LOCATION L0009229 VOLUME 471157.290 3752298.920 512.06  
LOCATION L0009230 VOLUME 471165.880 3752298.947 512.47  
LOCATION L0009231 VOLUME 471174.470 3752298.974 513.00  
LOCATION L0009232 VOLUME 471183.060 3752299.001 513.52  
LOCATION L0009233 VOLUME 471191.649 3752299.028 513.92  
LOCATION L0009234 VOLUME 471200.239 3752299.054 513.92  
LOCATION L0009235 VOLUME 471208.829 3752299.081 513.92

LOCATION	L0009236	VOLUME	471217.419	3752299.108	513.92
LOCATION	L0009237	VOLUME	471226.009	3752299.135	513.50
LOCATION	L0009238	VOLUME	471234.599	3752299.161	512.95
LOCATION	L0009239	VOLUME	471243.189	3752299.188	512.41
LOCATION	L0009240	VOLUME	471251.779	3752299.215	512.07
LOCATION	L0009241	VOLUME	471260.369	3752299.242	512.36
LOCATION	L0009242	VOLUME	471268.959	3752299.268	512.65
LOCATION	L0009243	VOLUME	471277.549	3752299.295	512.93
LOCATION	L0009244	VOLUME	471286.139	3752299.322	512.98
LOCATION	L0009245	VOLUME	471294.729	3752299.349	512.95
LOCATION	L0009246	VOLUME	471303.319	3752299.375	512.93
LOCATION	L0009247	VOLUME	471311.909	3752299.402	512.91
LOCATION	L0009248	VOLUME	471317.412	3752296.332	513.03
LOCATION	L0009249	VOLUME	471317.412	3752287.742	513.75
LOCATION	L0009250	VOLUME	471317.412	3752279.152	514.47

\*\* End of LINE VOLUME Source ID = SLINE36

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE37

\*\* DESCRSRC Bldg H Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 2.668E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 4

\*\* 471343.615, 3752270.596, 516.97, 3.49, 4.00

\*\* 471343.615, 3752300.729, 513.20, 3.49, 4.00

\*\* 471551.932, 3752303.350, 521.01, 3.49, 4.00

\*\* 471552.588, 3752273.216, 522.80, 3.49, 4.00

\*\*

LOCATION	L0009251	VOLUME	471343.615	3752274.891	515.97
LOCATION	L0009252	VOLUME	471343.615	3752283.481	514.91
LOCATION	L0009253	VOLUME	471343.615	3752292.071	513.84
LOCATION	L0009254	VOLUME	471343.615	3752300.661	513.14
LOCATION	L0009255	VOLUME	471352.135	3752300.837	513.70
LOCATION	L0009256	VOLUME	471360.725	3752300.945	514.27
LOCATION	L0009257	VOLUME	471369.314	3752301.053	514.84
LOCATION	L0009258	VOLUME	471377.903	3752301.161	514.77
LOCATION	L0009259	VOLUME	471386.493	3752301.269	514.67
LOCATION	L0009260	VOLUME	471395.082	3752301.377	514.57
LOCATION	L0009261	VOLUME	471403.671	3752301.485	514.54
LOCATION	L0009262	VOLUME	471412.261	3752301.593	514.57
LOCATION	L0009263	VOLUME	471420.850	3752301.701	514.61
LOCATION	L0009264	VOLUME	471429.439	3752301.809	514.65
LOCATION	L0009265	VOLUME	471438.029	3752301.917	515.36
LOCATION	L0009266	VOLUME	471446.618	3752302.025	516.08
LOCATION	L0009267	VOLUME	471455.207	3752302.133	516.81
LOCATION	L0009268	VOLUME	471463.797	3752302.241	517.47
LOCATION	L0009269	VOLUME	471472.386	3752302.349	518.05
LOCATION	L0009270	VOLUME	471480.975	3752302.457	518.62
LOCATION	L0009271	VOLUME	471489.565	3752302.565	519.20
LOCATION	L0009272	VOLUME	471498.154	3752302.673	519.66
LOCATION	L0009273	VOLUME	471506.743	3752302.781	520.12
LOCATION	L0009274	VOLUME	471515.333	3752302.889	520.57
LOCATION	L0009275	VOLUME	471523.922	3752302.997	520.79
LOCATION	L0009276	VOLUME	471532.511	3752303.106	520.78
LOCATION	L0009277	VOLUME	471541.101	3752303.214	520.78
LOCATION	L0009278	VOLUME	471549.690	3752303.322	520.77
LOCATION	L0009279	VOLUME	471552.070	3752297.004	520.90
LOCATION	L0009280	VOLUME	471552.257	3752288.416	521.41
LOCATION	L0009281	VOLUME	471552.444	3752279.828	521.92

\*\* End of LINE VOLUME Source ID = SLINE37

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

```

** LINE VOLUME Source ID = SLINE38
** DESCRSRC Bldg J Onsite
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.99E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 471580.756, 3752273.871, 520.11, 3.49, 4.00
** 471580.101, 3752301.385, 519.97, 3.49, 4.00
** 471784.488, 3752302.695, 518.69, 3.49, 4.00
** 471784.488, 3752277.801, 519.06, 3.49, 4.00

```

```

-----
LOCATION L0009282      VOLUME  471580.654 3752278.165 519.93
LOCATION L0009283      VOLUME  471580.450 3752286.752 519.94
LOCATION L0009284      VOLUME  471580.245 3752295.340 519.95
LOCATION L0009285      VOLUME  471582.645 3752301.401 519.51
LOCATION L0009286      VOLUME  471591.235 3752301.456 519.03
LOCATION L0009287      VOLUME  471599.824 3752301.511 518.54
LOCATION L0009288      VOLUME  471608.414 3752301.566 518.06
LOCATION L0009289      VOLUME  471617.004 3752301.621 518.21
LOCATION L0009290      VOLUME  471625.594 3752301.676 518.44
LOCATION L0009291      VOLUME  471634.184 3752301.731 518.68
LOCATION L0009292      VOLUME  471642.773 3752301.786 519.02
LOCATION L0009293      VOLUME  471651.363 3752301.841 519.54
LOCATION L0009294      VOLUME  471659.953 3752301.896 520.06
LOCATION L0009295      VOLUME  471668.543 3752301.951 520.58
LOCATION L0009296      VOLUME  471677.133 3752302.007 520.39
LOCATION L0009297      VOLUME  471685.723 3752302.062 520.10
LOCATION L0009298      VOLUME  471694.312 3752302.117 519.81
LOCATION L0009299      VOLUME  471702.902 3752302.172 519.54
LOCATION L0009300      VOLUME  471711.492 3752302.227 519.30
LOCATION L0009301      VOLUME  471720.082 3752302.282 519.07
LOCATION L0009302      VOLUME  471728.672 3752302.337 518.83
LOCATION L0009303      VOLUME  471737.262 3752302.392 518.81
LOCATION L0009304      VOLUME  471745.851 3752302.447 518.81
LOCATION L0009305      VOLUME  471754.441 3752302.502 518.80
LOCATION L0009306      VOLUME  471763.031 3752302.557 518.83
LOCATION L0009307      VOLUME  471771.621 3752302.612 518.88
LOCATION L0009308      VOLUME  471780.211 3752302.667 518.94
LOCATION L0009309      VOLUME  471784.488 3752298.382 518.99
LOCATION L0009310      VOLUME  471784.488 3752289.792 519.08
LOCATION L0009311      VOLUME  471784.488 3752281.202 519.17

```

```

** End of LINE VOLUME Source ID = SLINE38

```

```

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

```

```

** LINE VOLUME Source ID = SLINE39
** DESCRSRC Bldg K Onsite
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.936E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 3
** 471784.488, 3752278.457, 519.06, 3.49, 4.00
** 471783.833, 3752303.350, 518.65, 3.49, 4.00
** 472054.383, 3752304.005, 515.09, 3.49, 4.00

```

```

-----
LOCATION L0009312      VOLUME  471784.375 3752282.750 519.16
LOCATION L0009313      VOLUME  471784.149 3752291.337 519.06
LOCATION L0009314      VOLUME  471783.923 3752299.924 518.98
LOCATION L0009315      VOLUME  471788.996 3752303.362 519.00
LOCATION L0009316      VOLUME  471797.586 3752303.383 517.13
LOCATION L0009317      VOLUME  471806.176 3752303.404 515.13

```

LOCATION	L0009318	VOLUME	471814.766	3752303.425	513.12
LOCATION	L0009319	VOLUME	471823.356	3752303.446	512.22
LOCATION	L0009320	VOLUME	471831.946	3752303.466	512.73
LOCATION	L0009321	VOLUME	471840.536	3752303.487	513.24
LOCATION	L0009322	VOLUME	471849.126	3752303.508	513.74
LOCATION	L0009323	VOLUME	471857.716	3752303.529	514.38
LOCATION	L0009324	VOLUME	471866.306	3752303.549	515.01
LOCATION	L0009325	VOLUME	471874.896	3752303.570	515.65
LOCATION	L0009326	VOLUME	471883.486	3752303.591	516.10
LOCATION	L0009327	VOLUME	471892.076	3752303.612	516.32
LOCATION	L0009328	VOLUME	471900.666	3752303.633	516.54
LOCATION	L0009329	VOLUME	471909.256	3752303.653	516.76
LOCATION	L0009330	VOLUME	471917.846	3752303.674	516.70
LOCATION	L0009331	VOLUME	471926.436	3752303.695	516.63
LOCATION	L0009332	VOLUME	471935.026	3752303.716	516.56
LOCATION	L0009333	VOLUME	471943.616	3752303.737	516.46
LOCATION	L0009334	VOLUME	471952.206	3752303.757	516.30
LOCATION	L0009335	VOLUME	471960.796	3752303.778	516.15
LOCATION	L0009336	VOLUME	471969.386	3752303.799	516.00
LOCATION	L0009337	VOLUME	471977.975	3752303.820	515.80
LOCATION	L0009338	VOLUME	471986.565	3752303.841	515.59
LOCATION	L0009339	VOLUME	471995.155	3752303.861	515.38
LOCATION	L0009340	VOLUME	472003.745	3752303.882	515.14
LOCATION	L0009341	VOLUME	472012.335	3752303.903	514.85
LOCATION	L0009342	VOLUME	472020.925	3752303.924	514.56
LOCATION	L0009343	VOLUME	472029.515	3752303.945	514.27
LOCATION	L0009344	VOLUME	472038.105	3752303.965	514.06
LOCATION	L0009345	VOLUME	472046.695	3752303.986	513.84

\*\* End of LINE VOLUME Source ID = SLINE39

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE40

\*\* DESCRSRC MU 98k N Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 7.811E-07

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 4

\*\* 471108.011, 3752252.737, 510.65, 3.49, 4.00

\*\* 471088.082, 3752263.134, 509.92, 3.49, 4.00

\*\* 471087.216, 3752138.365, 512.23, 3.49, 4.00

\*\* 471105.411, 3752138.365, 512.82, 3.49, 4.00

\*\*

LOCATION	L0009346	VOLUME	471104.203	3752254.723	510.82
LOCATION	L0009347	VOLUME	471096.587	3752258.697	510.49
LOCATION	L0009348	VOLUME	471088.971	3752262.670	509.90
LOCATION	L0009349	VOLUME	471088.030	3752255.547	509.76
LOCATION	L0009350	VOLUME	471087.970	3752246.957	509.69
LOCATION	L0009351	VOLUME	471087.910	3752238.367	509.63
LOCATION	L0009352	VOLUME	471087.851	3752229.778	509.52
LOCATION	L0009353	VOLUME	471087.791	3752221.188	509.41
LOCATION	L0009354	VOLUME	471087.731	3752212.598	509.29
LOCATION	L0009355	VOLUME	471087.672	3752204.008	509.35
LOCATION	L0009356	VOLUME	471087.612	3752195.419	509.80
LOCATION	L0009357	VOLUME	471087.552	3752186.829	510.26
LOCATION	L0009358	VOLUME	471087.493	3752178.239	510.71
LOCATION	L0009359	VOLUME	471087.433	3752169.649	511.21
LOCATION	L0009360	VOLUME	471087.373	3752161.059	511.72
LOCATION	L0009361	VOLUME	471087.314	3752152.470	512.24
LOCATION	L0009362	VOLUME	471087.254	3752143.880	512.50
LOCATION	L0009363	VOLUME	471090.291	3752138.365	512.42
LOCATION	L0009364	VOLUME	471098.881	3752138.365	512.70

\*\* End of LINE VOLUME Source ID = SLINE40

\*\*



\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE41  
\*\* DESCRSRC MU 77k Onsite  
\*\* PREFIX  
\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 5.443E-07  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 5  
\*\* 471049.183, 3751936.315, 514.26, 3.49, 4.00  
\*\* 471025.238, 3751936.848, 512.71, 3.49, 4.00  
\*\* 471014.596, 3751940.040, 511.99, 3.49, 4.00  
\*\* 471051.312, 3752029.436, 515.14, 3.49, 4.00  
\*\* 471065.147, 3752023.583, 515.98, 3.49, 4.00

-----  
LOCATION L0009365        VOLUME    471044.889 3751936.411 514.52  
LOCATION L0009366        VOLUME    471036.302 3751936.602 513.78  
LOCATION L0009367        VOLUME    471027.714 3751936.793 513.21  
LOCATION L0009368        VOLUME    471019.382 3751938.604 512.63  
LOCATION L0009369        VOLUME    471015.961 3751943.364 512.38  
LOCATION L0009370        VOLUME    471019.224 3751951.310 512.49  
LOCATION L0009371        VOLUME    471022.488 3751959.255 512.54  
LOCATION L0009372        VOLUME    471025.751 3751967.201 512.56  
LOCATION L0009373        VOLUME    471029.015 3751975.147 512.93  
LOCATION L0009374        VOLUME    471032.278 3751983.093 513.31  
LOCATION L0009375        VOLUME    471035.542 3751991.039 513.68  
LOCATION L0009376        VOLUME    471038.805 3751998.985 514.05  
LOCATION L0009377        VOLUME    471042.069 3752006.931 514.48  
LOCATION L0009378        VOLUME    471045.332 3752014.877 514.88  
LOCATION L0009379        VOLUME    471048.596 3752022.823 515.21  
LOCATION L0009380        VOLUME    471052.638 3752028.875 515.36  
LOCATION L0009381        VOLUME    471060.549 3752025.528 515.69

\*\* End of LINE VOLUME Source ID = SLINE41

-----  
\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE42  
\*\* DESCRSRC MU 131k Onsite  
\*\* PREFIX  
\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 8.97E-07  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 4  
\*\* 471048.119, 3751831.488, 512.51, 3.49, 4.00  
\*\* 471028.963, 3751831.488, 514.06, 3.49, 4.00  
\*\* 471029.495, 3751725.596, 517.84, 3.49, 4.00  
\*\* 471046.523, 3751725.596, 518.09, 3.49, 4.00

-----  
LOCATION L0009382        VOLUME    471043.824 3751831.488 512.43  
LOCATION L0009383        VOLUME    471035.234 3751831.488 512.94  
LOCATION L0009384        VOLUME    471028.974 3751829.169 513.70  
LOCATION L0009385        VOLUME    471029.018 3751820.579 514.18  
LOCATION L0009386        VOLUME    471029.061 3751811.989 514.44  
LOCATION L0009387        VOLUME    471029.104 3751803.400 514.53  
LOCATION L0009388        VOLUME    471029.147 3751794.810 514.61  
LOCATION L0009389        VOLUME    471029.190 3751786.220 514.71  
LOCATION L0009390        VOLUME    471029.233 3751777.630 515.08  
LOCATION L0009391        VOLUME    471029.277 3751769.040 515.46  
LOCATION L0009392        VOLUME    471029.320 3751760.450 515.83  
LOCATION L0009393        VOLUME    471029.363 3751751.860 516.27  
LOCATION L0009394        VOLUME    471029.406 3751743.270 516.74  
LOCATION L0009395        VOLUME    471029.449 3751734.680 517.22  
LOCATION L0009396        VOLUME    471029.492 3751726.091 517.69  
LOCATION L0009397        VOLUME    471037.591 3751725.596 517.97

LOCATION L0009398        VOLUME    471046.181 3751725.596 518.26  
\*\* End of LINE VOLUME Source ID = SLINE42  
\*\* -----  
\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE43  
\*\* DESCRSRC MU 98k S Onsite  
\*\* PREFIX  
\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 6.437E-07  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 4  
\*\* 471045.991, 3751685.155, 519.96, 3.49, 4.00  
\*\* 471028.431, 3751686.219, 519.11, 3.49, 4.00  
\*\* 471028.963, 3751588.309, 521.52, 3.49, 4.00  
\*\* 471049.715, 3751587.777, 522.51, 3.49, 4.00  
\*\* -----

LOCATION L0009399        VOLUME    471041.703 3751685.415 520.27  
LOCATION L0009400        VOLUME    471033.129 3751685.935 519.92  
LOCATION L0009401        VOLUME    471028.452 3751682.337 520.08  
LOCATION L0009402        VOLUME    471028.498 3751673.747 520.73  
LOCATION L0009403        VOLUME    471028.545 3751665.157 521.30  
LOCATION L0009404        VOLUME    471028.592 3751656.567 521.48  
LOCATION L0009405        VOLUME    471028.639 3751647.977 521.67  
LOCATION L0009406        VOLUME    471028.685 3751639.387 521.86  
LOCATION L0009407        VOLUME    471028.732 3751630.797 521.72  
LOCATION L0009408        VOLUME    471028.779 3751622.207 521.44  
LOCATION L0009409        VOLUME    471028.825 3751613.618 521.16  
LOCATION L0009410        VOLUME    471028.872 3751605.028 520.97  
LOCATION L0009411        VOLUME    471028.919 3751596.438 521.18  
LOCATION L0009412        VOLUME    471029.424 3751588.298 521.40  
LOCATION L0009413        VOLUME    471038.011 3751588.077 521.91  
LOCATION L0009414        VOLUME    471046.598 3751587.857 522.47

\*\* End of LINE VOLUME Source ID = SLINE43  
\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE44  
\*\* DESCRSRC MU 110k Onsite  
\*\* PREFIX  
\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 8.895E-07  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 471143.092, 3751331.498, 523.06, 3.49, 4.00  
\*\* 471143.544, 3751499.315, 524.31, 3.49, 4.00  
\*\* -----

LOCATION L0009415        VOLUME    471143.103 3751335.793 523.42  
LOCATION L0009416        VOLUME    471143.126 3751344.383 523.57  
LOCATION L0009417        VOLUME    471143.150 3751352.973 523.70  
LOCATION L0009418        VOLUME    471143.173 3751361.563 523.83  
LOCATION L0009419        VOLUME    471143.196 3751370.153 523.86  
LOCATION L0009420        VOLUME    471143.219 3751378.743 523.73  
LOCATION L0009421        VOLUME    471143.242 3751387.333 523.60  
LOCATION L0009422        VOLUME    471143.265 3751395.923 523.47  
LOCATION L0009423        VOLUME    471143.288 3751404.513 523.72  
LOCATION L0009424        VOLUME    471143.312 3751413.103 524.01  
LOCATION L0009425        VOLUME    471143.335 3751421.693 524.29  
LOCATION L0009426        VOLUME    471143.358 3751430.283 524.52  
LOCATION L0009427        VOLUME    471143.381 3751438.873 524.65  
LOCATION L0009428        VOLUME    471143.404 3751447.463 524.78  
LOCATION L0009429        VOLUME    471143.427 3751456.053 524.92  
LOCATION L0009430        VOLUME    471143.451 3751464.643 524.80  
LOCATION L0009431        VOLUME    471143.474 3751473.233 524.67

LOCATION L0009432 VOLUME 471143.497 3751481.823 524.54  
LOCATION L0009433 VOLUME 471143.520 3751490.413 524.47  
LOCATION L0009434 VOLUME 471143.543 3751499.003 524.47

\*\* End of LINE VOLUME Source ID = SLINE44

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = SLINE1

SRCPARAM L0007207	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007208	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007209	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007210	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007211	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007212	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007213	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007214	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007215	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007216	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007217	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007218	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007219	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007220	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007221	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007222	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007223	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007224	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007225	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007226	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007227	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007228	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007229	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007230	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007231	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007232	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007233	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007234	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007235	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007236	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007237	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007238	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007239	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007240	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007241	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007242	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007243	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007244	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007245	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007246	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007247	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007248	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007249	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007250	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007251	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007252	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007253	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007254	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007255	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007256	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007257	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007258	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007259	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007260	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007261	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007262	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007263	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007264	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007265	0.0000009475	3.49	4.00	3.25

\*\*













SRCPARAM	L0007575	0.000001393	3.49	4.00	3.25
SRCPARAM	L0007576	0.000001393	3.49	4.00	3.25
SRCPARAM	L0007577	0.000001393	3.49	4.00	3.25
SRCPARAM	L0007578	0.000001393	3.49	4.00	3.25
SRCPARAM	L0007579	0.000001393	3.49	4.00	3.25

\*\*

\*\* LINE VOLUME Source ID = SLINE13

SRCPARAM	L0007580	0.0000006548	3.49	4.00	3.25
SRCPARAM	L0007581	0.0000006548	3.49	4.00	3.25
SRCPARAM	L0007582	0.0000006548	3.49	4.00	3.25
SRCPARAM	L0007583	0.0000006548	3.49	4.00	3.25
SRCPARAM	L0007584	0.0000006548	3.49	4.00	3.25
SRCPARAM	L0007585	0.0000006548	3.49	4.00	3.25
SRCPARAM	L0007586	0.0000006548	3.49	4.00	3.25
SRCPARAM	L0007587	0.0000006548	3.49	4.00	3.25
SRCPARAM	L0007588	0.0000006548	3.49	4.00	3.25
SRCPARAM	L0007589	0.0000006548	3.49	4.00	3.25
SRCPARAM	L0007590	0.0000006548	3.49	4.00	3.25

\*\*

\*\* LINE VOLUME Source ID = SLINE14

SRCPARAM	L0007591	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007592	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007593	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007594	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007595	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007596	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007597	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007598	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007599	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007600	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007601	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007602	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007603	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007604	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007605	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007606	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007607	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007608	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007609	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007610	0.0000004398	3.49	4.00	3.25
SRCPARAM	L0007611	0.0000004398	3.49	4.00	3.25

\*\*

\*\* LINE VOLUME Source ID = SLINE15

SRCPARAM	L0007612	0.0000003377	3.49	4.00	3.25
SRCPARAM	L0007613	0.0000003377	3.49	4.00	3.25
SRCPARAM	L0007614	0.0000003377	3.49	4.00	3.25
SRCPARAM	L0007615	0.0000003377	3.49	4.00	3.25
SRCPARAM	L0007616	0.0000003377	3.49	4.00	3.25
SRCPARAM	L0007617	0.0000003377	3.49	4.00	3.25
SRCPARAM	L0007618	0.0000003377	3.49	4.00	3.25
SRCPARAM	L0007619	0.0000003377	3.49	4.00	3.25
SRCPARAM	L0007620	0.0000003377	3.49	4.00	3.25
SRCPARAM	L0007621	0.0000003377	3.49	4.00	3.25
SRCPARAM	L0007622	0.0000003377	3.49	4.00	3.25
SRCPARAM	L0007623	0.0000003377	3.49	4.00	3.25
SRCPARAM	L0007624	0.0000003377	3.49	4.00	3.25

\*\*

\*\* LINE VOLUME Source ID = SLINE16

SRCPARAM	L0007625	0.0000004927	3.49	4.00	3.25
SRCPARAM	L0007626	0.0000004927	3.49	4.00	3.25
SRCPARAM	L0007627	0.0000004927	3.49	4.00	3.25
SRCPARAM	L0007628	0.0000004927	3.49	4.00	3.25
SRCPARAM	L0007629	0.0000004927	3.49	4.00	3.25
SRCPARAM	L0007630	0.0000004927	3.49	4.00	3.25
SRCPARAM	L0007631	0.0000004927	3.49	4.00	3.25

\*\*

```
** LINE VOLUME Source ID = SLINE17
SRCPARAM L0007632 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007633 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007634 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007635 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007636 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007637 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007638 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007639 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007640 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007641 0.0000005868 3.49 4.00 3.25
```

```
** -----
** LINE VOLUME Source ID = SLINE18
SRCPARAM L0007642 0.000000439 3.49 4.00 3.25
SRCPARAM L0007643 0.000000439 3.49 4.00 3.25
SRCPARAM L0007644 0.000000439 3.49 4.00 3.25
SRCPARAM L0007645 0.000000439 3.49 4.00 3.25
SRCPARAM L0007646 0.000000439 3.49 4.00 3.25
SRCPARAM L0007647 0.000000439 3.49 4.00 3.25
SRCPARAM L0007648 0.000000439 3.49 4.00 3.25
SRCPARAM L0007649 0.000000439 3.49 4.00 3.25
SRCPARAM L0007650 0.000000439 3.49 4.00 3.25
SRCPARAM L0007651 0.000000439 3.49 4.00 3.25
```

```
** -----
** LINE VOLUME Source ID = SLINE19
SRCPARAM L0007652 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007653 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007654 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007655 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007656 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007657 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007658 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007659 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007660 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007661 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007662 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007663 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007664 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007665 0.0000003519 3.49 4.00 3.25
```

```
** -----
** LINE VOLUME Source ID = SLINE20
SRCPARAM L0007666 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007667 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007668 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007669 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007670 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007671 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007672 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007673 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007674 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007675 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007676 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007677 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007678 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007679 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007680 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007681 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007682 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007683 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007684 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007685 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007686 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007687 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007688 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007689 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007690 0.0000007865 3.49 6.51 3.25
```





























































SRCPARAM	L0009425	0.00000004448	3.49	4.00	3.25
SRCPARAM	L0009426	0.00000004448	3.49	4.00	3.25
SRCPARAM	L0009427	0.00000004448	3.49	4.00	3.25
SRCPARAM	L0009428	0.00000004448	3.49	4.00	3.25
SRCPARAM	L0009429	0.00000004448	3.49	4.00	3.25
SRCPARAM	L0009430	0.00000004448	3.49	4.00	3.25
SRCPARAM	L0009431	0.00000004448	3.49	4.00	3.25
SRCPARAM	L0009432	0.00000004448	3.49	4.00	3.25
SRCPARAM	L0009433	0.00000004448	3.49	4.00	3.25
SRCPARAM	L0009434	0.00000004448	3.49	4.00	3.25

\*\*

URBANSRC ALL  
SRCGROUP ALL

SO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Receptor Pathway

\*\*\*\*\*

\*\*

\*\*

RE STARTING

INCLUDED "14064 Ops.rou"

RE FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Meteorology Pathway

\*\*\*\*\*

\*\*

\*\*

ME STARTING

SURFFILE KRAL\_V9\_ADJU\KRAL\_v9.SFC

PROFFILE KRAL\_V9\_ADJU\KRAL\_v9.PFL

SURFDATA 3171 2012

UAIRDATA 3190 2012

PROFBASE 245.0 METERS

ME FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Output Pathway

\*\*\*\*\*

\*\*

\*\*

OU STARTING

\*\* Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL "14064 Ops.AD\AN00GALL.PLT" 31

SUMMFILE "14064 Ops.sum"

OU FINISHED

\*\*

\*\*\*\*\*

\*\* Project Parameters

\*\*\*\*\*

\*\* PROJCTN CoordinateSystemUTM

\*\* DESCPTN UTM: Universal Transverse Mercator

\*\* DATUM North American Datum 1983

\*\* DTMRGN CONUS

\*\* UNITS m

\*\* ZONE 11

\*\* ZONEINX 0

\*\*

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.0.0
** Lakes Environmental Software Inc.
** Date: 10/7/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\14064 Ops.ADI
**

```

```

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

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME ANNUAL
URBANOPT 2189641 Riverside_County
POLLUTID DPM
RUNORNOT RUN
ERRORFIL "14064 Ops.err"

```

```

CO FINISHED
**
*****

```

```

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

```

```

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

```

```

** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Bldg B Idle N
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.0000559
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 471215.117, 3751821.365, 518.16, 3.49, 4.00
** 471722.155, 3751826.378, 536.07, 3.49, 4.00
** -----

```

LOCATION	VOLUME	X Coord.	Y Coord.	Z
LOCATION L0007207	471219.412	3751821.407	518.32	
LOCATION L0007208	471228.002	3751821.492	518.94	
LOCATION L0007209	471236.591	3751821.577	519.57	
LOCATION L0007210	471245.181	3751821.662	520.18	
LOCATION L0007211	471253.771	3751821.747	521.08	
LOCATION L0007212	471262.360	3751821.832	522.26	
LOCATION L0007213	471270.950	3751821.917	523.45	
LOCATION L0007214	471279.539	3751822.002	524.64	
LOCATION L0007215	471288.129	3751822.087	524.46	
LOCATION L0007216	471296.718	3751822.172	524.27	
LOCATION L0007217	471305.308	3751822.257	524.09	
LOCATION L0007218	471313.898	3751822.341	523.97	
LOCATION L0007219	471322.487	3751822.426	523.92	
LOCATION L0007220	471331.077	3751822.511	523.86	
LOCATION L0007221	471339.666	3751822.596	523.80	
LOCATION L0007222	471348.256	3751822.681	523.86	

LOCATION	VOLUME			
L0007223	471356.846	3751822.766	523.91	
L0007224	471365.435	3751822.851	523.97	
L0007225	471374.025	3751822.936	524.03	
L0007226	471382.614	3751823.021	524.09	
L0007227	471391.204	3751823.106	524.16	
L0007228	471399.793	3751823.191	524.23	
L0007229	471408.383	3751823.276	524.74	
L0007230	471416.973	3751823.361	525.26	
L0007231	471425.562	3751823.446	525.76	
L0007232	471434.152	3751823.530	526.31	
L0007233	471442.741	3751823.615	526.88	
L0007234	471451.331	3751823.700	527.45	
L0007235	471459.920	3751823.785	528.02	
L0007236	471468.510	3751823.870	528.37	
L0007237	471477.100	3751823.955	528.73	
L0007238	471485.689	3751824.040	529.09	
L0007239	471494.279	3751824.125	529.52	
L0007240	471502.868	3751824.210	530.03	
L0007241	471511.458	3751824.295	530.53	
L0007242	471520.048	3751824.380	531.04	
L0007243	471528.637	3751824.465	531.68	
L0007244	471537.227	3751824.550	532.33	
L0007245	471545.816	3751824.634	532.98	
L0007246	471554.406	3751824.719	533.47	
L0007247	471562.995	3751824.804	533.84	
L0007248	471571.585	3751824.889	534.21	
L0007249	471580.175	3751824.974	534.57	
L0007250	471588.764	3751825.059	534.78	
L0007251	471597.354	3751825.144	534.99	
L0007252	471605.943	3751825.229	535.20	
L0007253	471614.533	3751825.314	535.41	
L0007254	471623.123	3751825.399	535.61	
L0007255	471631.712	3751825.484	535.82	
L0007256	471640.302	3751825.569	536.00	
L0007257	471648.891	3751825.654	536.00	
L0007258	471657.481	3751825.739	536.00	
L0007259	471666.070	3751825.823	536.00	
L0007260	471674.660	3751825.908	536.00	
L0007261	471683.250	3751825.993	536.00	
L0007262	471691.839	3751826.078	536.00	
L0007263	471700.429	3751826.163	536.00	
L0007264	471709.018	3751826.248	536.00	
L0007265	471717.608	3751826.333	536.00	

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE2

\*\* DESCRSRC Bldg B Idle E

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000559

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471731.500, 3751810.802, 536.04, 3.49, 4.00

\*\* 471733.935, 3751617.224, 533.91, 3.49, 4.00

\*\*

L0007266	471731.554	3751806.507	536.07	
L0007267	471731.662	3751797.918	536.07	
L0007268	471731.770	3751789.328	536.07	
L0007269	471731.878	3751780.739	536.06	
L0007270	471731.986	3751772.150	536.04	
L0007271	471732.094	3751763.560	536.02	
L0007272	471732.202	3751754.971	535.95	
L0007273	471732.310	3751746.382	535.69	



LOCATION L0007274	VOLUME	471732.418	3751737.793	535.43
LOCATION L0007275	VOLUME	471732.527	3751729.203	535.18
LOCATION L0007276	VOLUME	471732.635	3751720.614	535.10
LOCATION L0007277	VOLUME	471732.743	3751712.025	535.11
LOCATION L0007278	VOLUME	471732.851	3751703.435	535.11
LOCATION L0007279	VOLUME	471732.959	3751694.846	535.11
LOCATION L0007280	VOLUME	471733.067	3751686.257	535.12
LOCATION L0007281	VOLUME	471733.175	3751677.667	535.12
LOCATION L0007282	VOLUME	471733.283	3751669.078	535.12
LOCATION L0007283	VOLUME	471733.391	3751660.489	534.92
LOCATION L0007284	VOLUME	471733.499	3751651.899	534.64
LOCATION L0007285	VOLUME	471733.607	3751643.310	534.36
LOCATION L0007286	VOLUME	471733.715	3751634.721	534.14
LOCATION L0007287	VOLUME	471733.823	3751626.131	534.14
LOCATION L0007288	VOLUME	471733.931	3751617.542	534.15

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE3

\*\* DESCRSRC Bldg B Idle S

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000559

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471217.858, 3751597.356, 526.24, 3.49, 4.00

\*\* 471724.383, 3751599.262, 533.76, 3.49, 4.00

\*\*

LOCATION L0007289	VOLUME	471222.153	3751597.372	526.54
LOCATION L0007290	VOLUME	471230.743	3751597.404	527.31
LOCATION L0007291	VOLUME	471239.333	3751597.436	528.08
LOCATION L0007292	VOLUME	471247.923	3751597.469	528.85
LOCATION L0007293	VOLUME	471256.513	3751597.501	529.23
LOCATION L0007294	VOLUME	471265.103	3751597.533	529.52
LOCATION L0007295	VOLUME	471273.693	3751597.566	529.80
LOCATION L0007296	VOLUME	471282.283	3751597.598	530.22
LOCATION L0007297	VOLUME	471290.873	3751597.630	530.91
LOCATION L0007298	VOLUME	471299.463	3751597.663	531.59
LOCATION L0007299	VOLUME	471308.053	3751597.695	532.28
LOCATION L0007300	VOLUME	471316.643	3751597.727	533.42
LOCATION L0007301	VOLUME	471325.233	3751597.760	534.65
LOCATION L0007302	VOLUME	471333.823	3751597.792	535.89
LOCATION L0007303	VOLUME	471342.412	3751597.824	536.73
LOCATION L0007304	VOLUME	471351.002	3751597.857	536.82
LOCATION L0007305	VOLUME	471359.592	3751597.889	536.90
LOCATION L0007306	VOLUME	471368.182	3751597.921	536.99
LOCATION L0007307	VOLUME	471376.772	3751597.954	536.59
LOCATION L0007308	VOLUME	471385.362	3751597.986	536.10
LOCATION L0007309	VOLUME	471393.952	3751598.018	535.61
LOCATION L0007310	VOLUME	471402.542	3751598.051	535.09
LOCATION L0007311	VOLUME	471411.132	3751598.083	534.51
LOCATION L0007312	VOLUME	471419.722	3751598.115	533.94
LOCATION L0007313	VOLUME	471428.312	3751598.148	533.37
LOCATION L0007314	VOLUME	471436.902	3751598.180	533.04
LOCATION L0007315	VOLUME	471445.492	3751598.212	532.75
LOCATION L0007316	VOLUME	471454.082	3751598.245	532.46
LOCATION L0007317	VOLUME	471462.672	3751598.277	532.07
LOCATION L0007318	VOLUME	471471.262	3751598.309	531.50
LOCATION L0007319	VOLUME	471479.851	3751598.342	530.92
LOCATION L0007320	VOLUME	471488.441	3751598.374	530.35
LOCATION L0007321	VOLUME	471497.031	3751598.406	530.27
LOCATION L0007322	VOLUME	471505.621	3751598.439	530.27
LOCATION L0007323	VOLUME	471514.211	3751598.471	530.27
LOCATION L0007324	VOLUME	471522.801	3751598.503	530.16

LOCATION	VOLUME	VOLUME	VOLUME	VOLUME
L0007325	471531.391	3751598.536	529.88	
L0007326	471539.981	3751598.568	529.59	
L0007327	471548.571	3751598.600	529.30	
L0007328	471557.161	3751598.633	529.27	
L0007329	471565.751	3751598.665	529.27	
L0007330	471574.341	3751598.697	529.27	
L0007331	471582.931	3751598.730	529.32	
L0007332	471591.521	3751598.762	529.45	
L0007333	471600.111	3751598.794	529.59	
L0007334	471608.701	3751598.827	529.73	
L0007335	471617.291	3751598.859	529.74	
L0007336	471625.880	3751598.891	529.74	
L0007337	471634.470	3751598.924	529.74	
L0007338	471643.060	3751598.956	529.83	
L0007339	471651.650	3751598.988	530.04	
L0007340	471660.240	3751599.021	530.26	
L0007341	471668.830	3751599.053	530.48	
L0007342	471677.420	3751599.085	530.82	
L0007343	471686.010	3751599.118	531.18	
L0007344	471694.600	3751599.150	531.54	
L0007345	471703.190	3751599.182	531.99	
L0007346	471711.780	3751599.215	532.57	
L0007347	471720.370	3751599.247	533.14	

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

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE4

\*\* DESCRSRC Bldg A Idle N

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00006414

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471251.147, 3752185.400, 518.98, 3.49, 4.00

\*\* 471719.138, 3752190.238, 525.15, 3.49, 4.00

\*\* -----

L0007348	471255.441	3752185.444	518.71	
L0007349	471264.031	3752185.533	518.70	
L0007350	471272.621	3752185.622	518.70	
L0007351	471281.210	3752185.711	518.79	
L0007352	471289.800	3752185.799	519.27	
L0007353	471298.389	3752185.888	519.75	
L0007354	471306.979	3752185.977	520.23	
L0007355	471315.568	3752186.066	520.71	
L0007356	471324.158	3752186.155	521.19	
L0007357	471332.747	3752186.243	521.66	
L0007358	471341.337	3752186.332	522.11	
L0007359	471349.926	3752186.421	522.48	
L0007360	471358.516	3752186.510	522.85	
L0007361	471367.105	3752186.599	523.23	
L0007362	471375.695	3752186.687	523.54	
L0007363	471384.285	3752186.776	523.82	
L0007364	471392.874	3752186.865	524.10	
L0007365	471401.464	3752186.954	524.44	
L0007366	471410.053	3752187.043	525.01	
L0007367	471418.643	3752187.131	525.57	
L0007368	471427.232	3752187.220	526.14	
L0007369	471435.822	3752187.309	526.63	
L0007370	471444.411	3752187.398	527.10	
L0007371	471453.001	3752187.487	527.56	
L0007372	471461.590	3752187.575	527.93	
L0007373	471470.180	3752187.664	527.99	
L0007374	471478.769	3752187.753	528.05	
L0007375	471487.359	3752187.842	528.11	

LOCATION	VOLUME				
L0007376	471495.949	3752187.931	528.20		
L0007377	471504.538	3752188.019	528.29		
L0007378	471513.128	3752188.108	528.39		
L0007379	471521.717	3752188.197	528.37		
L0007380	471530.307	3752188.286	528.01		
L0007381	471538.896	3752188.375	527.65		
L0007382	471547.486	3752188.463	527.30		
L0007383	471556.075	3752188.552	526.77		
L0007384	471564.665	3752188.641	526.19		
L0007385	471573.254	3752188.730	525.61		
L0007386	471581.844	3752188.819	525.26		
L0007387	471590.434	3752188.907	525.54		
L0007388	471599.023	3752188.996	525.82		
L0007389	471607.613	3752189.085	526.11		
L0007390	471616.202	3752189.174	526.26		
L0007391	471624.792	3752189.263	526.37		
L0007392	471633.381	3752189.351	526.49		
L0007393	471641.971	3752189.440	526.57		
L0007394	471650.560	3752189.529	526.57		
L0007395	471659.150	3752189.618	526.57		
L0007396	471667.739	3752189.707	526.56		
L0007397	471676.329	3752189.795	526.43		
L0007398	471684.918	3752189.884	526.27		
L0007399	471693.508	3752189.973	526.11		
L0007400	471702.098	3752190.062	525.83		
L0007401	471710.687	3752190.151	525.26		

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

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE5

\*\* DESCRSRC Bldg A Idle S

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00006414

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471252.466, 3751968.998, 522.95, 3.49, 4.00

\*\* 471720.018, 3751974.716, 531.23, 3.49, 4.00

\*\*

LOCATION	VOLUME				
L0007402	471256.761	3751969.050	522.36		
L0007403	471265.350	3751969.155	521.87		
L0007404	471273.940	3751969.260	521.40		
L0007405	471282.529	3751969.365	521.19		
L0007406	471291.118	3751969.470	521.48		
L0007407	471299.708	3751969.575	521.77		
L0007408	471308.297	3751969.680	522.06		
L0007409	471316.886	3751969.785	522.35		
L0007410	471325.476	3751969.891	522.64		
L0007411	471334.065	3751969.996	522.93		
L0007412	471342.654	3751970.101	523.23		
L0007413	471351.244	3751970.206	523.55		
L0007414	471359.833	3751970.311	523.88		
L0007415	471368.423	3751970.416	524.21		
L0007416	471377.012	3751970.521	525.00		
L0007417	471385.601	3751970.626	525.87		
L0007418	471394.191	3751970.731	526.74		
L0007419	471402.780	3751970.836	527.39		
L0007420	471411.369	3751970.941	527.68		
L0007421	471419.959	3751971.046	527.97		
L0007422	471428.548	3751971.151	528.27		
L0007423	471437.137	3751971.256	528.74		
L0007424	471445.727	3751971.361	529.22		
L0007425	471454.316	3751971.466	529.71		
L0007426	471462.905	3751971.571	530.09		

LOCATION	VOLUME				
L0007427	471471.495	3751971.676	530.33		
L0007428	471480.084	3751971.781	530.57		
L0007429	471488.674	3751971.886	530.80		
L0007430	471497.263	3751971.991	531.03		
L0007431	471505.852	3751972.096	531.26		
L0007432	471514.442	3751972.201	531.49		
L0007433	471523.031	3751972.307	531.90		
L0007434	471531.620	3751972.412	532.57		
L0007435	471540.210	3751972.517	533.25		
L0007436	471548.799	3751972.622	533.94		
L0007437	471557.388	3751972.727	534.52		
L0007438	471565.978	3751972.832	535.09		
L0007439	471574.567	3751972.937	535.67		
L0007440	471583.156	3751973.042	536.00		
L0007441	471591.746	3751973.147	536.00		
L0007442	471600.335	3751973.252	536.00		
L0007443	471608.925	3751973.357	536.00		
L0007444	471617.514	3751973.462	535.73		
L0007445	471626.103	3751973.567	535.45		
L0007446	471634.693	3751973.672	535.16		
L0007447	471643.282	3751973.777	534.75		
L0007448	471651.871	3751973.882	534.18		
L0007449	471660.461	3751973.987	533.61		
L0007450	471669.050	3751974.092	533.03		
L0007451	471677.639	3751974.197	532.73		
L0007452	471686.229	3751974.302	532.44		
L0007453	471694.818	3751974.407	532.16		
L0007454	471703.407	3751974.512	531.84		
L0007455	471711.997	3751974.617	531.48		

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

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE6

\*\* DESCRSRC Bldg C Idle W

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00003622

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471844.958, 3752167.382, 521.40, 3.49, 4.00

\*\* 471846.645, 3751987.702, 534.85, 3.49, 4.00

\*\* -----

LOCATION	VOLUME				
L0007456	471844.998	3752163.087	522.13		
L0007457	471845.078	3752154.498	522.95		
L0007458	471845.159	3752145.908	523.76		
L0007459	471845.240	3752137.319	524.38		
L0007460	471845.320	3752128.729	524.99		
L0007461	471845.401	3752120.139	525.61		
L0007462	471845.482	3752111.550	526.18		
L0007463	471845.562	3752102.960	526.72		
L0007464	471845.643	3752094.370	527.26		
L0007465	471845.724	3752085.781	527.80		
L0007466	471845.804	3752077.191	528.34		
L0007467	471845.885	3752068.602	528.88		
L0007468	471845.966	3752060.012	529.43		
L0007469	471846.046	3752051.422	529.97		
L0007470	471846.127	3752042.833	530.52		
L0007471	471846.208	3752034.243	531.07		
L0007472	471846.288	3752025.654	531.66		
L0007473	471846.369	3752017.064	532.50		
L0007474	471846.450	3752008.474	533.34		
L0007475	471846.530	3751999.885	534.18		
L0007476	471846.611	3751991.295	534.70		

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

```
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC Bldg D Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 7.388E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 471848.332, 3751808.021, 538.89, 3.49, 4.00
** 471849.175, 3751696.670, 539.00, 3.49, 4.00
** -----
```

LOCATION L0007477	VOLUME	471848.364	3751803.726	538.96
LOCATION L0007478	VOLUME	471848.429	3751795.136	538.96
LOCATION L0007479	VOLUME	471848.494	3751786.547	538.96
LOCATION L0007480	VOLUME	471848.560	3751777.957	538.97
LOCATION L0007481	VOLUME	471848.625	3751769.367	538.97
LOCATION L0007482	VOLUME	471848.690	3751760.777	538.97
LOCATION L0007483	VOLUME	471848.755	3751752.188	538.97
LOCATION L0007484	VOLUME	471848.820	3751743.598	538.98
LOCATION L0007485	VOLUME	471848.885	3751735.008	538.98
LOCATION L0007486	VOLUME	471848.950	3751726.418	538.98
LOCATION L0007487	VOLUME	471849.015	3751717.829	538.98
LOCATION L0007488	VOLUME	471849.080	3751709.239	538.98
LOCATION L0007489	VOLUME	471849.145	3751700.649	538.99

```
** End of LINE VOLUME Source ID = SLINE7
** -----
```

```
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE8
** DESCRSRC Bldg E Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 9.235E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 471495.234, 3751418.628, 533.74, 3.49, 4.00
** 471496.921, 3751256.648, 527.16, 3.49, 4.00
** -----
```

LOCATION L0007490	VOLUME	471495.278	3751414.333	533.29
LOCATION L0007491	VOLUME	471495.368	3751405.744	533.05
LOCATION L0007492	VOLUME	471495.457	3751397.154	532.82
LOCATION L0007493	VOLUME	471495.547	3751388.565	532.26
LOCATION L0007494	VOLUME	471495.636	3751379.975	531.69
LOCATION L0007495	VOLUME	471495.726	3751371.386	531.11
LOCATION L0007496	VOLUME	471495.815	3751362.796	530.66
LOCATION L0007497	VOLUME	471495.905	3751354.206	530.37
LOCATION L0007498	VOLUME	471495.994	3751345.617	530.08
LOCATION L0007499	VOLUME	471496.084	3751337.027	529.79
LOCATION L0007500	VOLUME	471496.173	3751328.438	529.35
LOCATION L0007501	VOLUME	471496.263	3751319.848	528.91
LOCATION L0007502	VOLUME	471496.352	3751311.259	528.46
LOCATION L0007503	VOLUME	471496.442	3751302.669	528.23
LOCATION L0007504	VOLUME	471496.531	3751294.080	528.23
LOCATION L0007505	VOLUME	471496.621	3751285.490	528.24
LOCATION L0007506	VOLUME	471496.710	3751276.901	528.24
LOCATION L0007507	VOLUME	471496.799	3751268.311	527.96
LOCATION L0007508	VOLUME	471496.889	3751259.722	527.68

```
** End of LINE VOLUME Source ID = SLINE8
** -----
```

```
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE9
** DESCRSRC Bldg F Idle
```

\*\* PREFIX  
\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 9.235E-06  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 471394.840, 3751418.628, 536.93, 3.49, 4.00  
\*\* 471396.527, 3751256.648, 524.17, 3.49, 4.00

---

LOCATION L0007509	VOLUME	471394.884	3751414.333	536.74
LOCATION L0007510	VOLUME	471394.974	3751405.744	536.46
LOCATION L0007511	VOLUME	471395.063	3751397.154	536.17
LOCATION L0007512	VOLUME	471395.153	3751388.565	535.57
LOCATION L0007513	VOLUME	471395.242	3751379.975	534.95
LOCATION L0007514	VOLUME	471395.332	3751371.386	534.34
LOCATION L0007515	VOLUME	471395.421	3751362.796	533.49
LOCATION L0007516	VOLUME	471395.511	3751354.206	532.34
LOCATION L0007517	VOLUME	471395.600	3751345.617	531.19
LOCATION L0007518	VOLUME	471395.690	3751337.027	530.05
LOCATION L0007519	VOLUME	471395.779	3751328.438	529.45
LOCATION L0007520	VOLUME	471395.869	3751319.848	528.88
LOCATION L0007521	VOLUME	471395.958	3751311.259	528.31
LOCATION L0007522	VOLUME	471396.048	3751302.669	527.73
LOCATION L0007523	VOLUME	471396.137	3751294.080	527.16
LOCATION L0007524	VOLUME	471396.226	3751285.490	526.59
LOCATION L0007525	VOLUME	471396.316	3751276.901	526.02
LOCATION L0007526	VOLUME	471396.405	3751268.311	525.47
LOCATION L0007527	VOLUME	471396.495	3751259.722	524.93

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

---

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE10

\*\* DESCRSRC Bldg G Idle

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 9.235E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471156.087, 3752325.549, 512.95, 3.49, 4.00

\*\* 471266.605, 3752327.237, 512.60, 3.49, 4.00

---

LOCATION L0007528	VOLUME	471160.382	3752325.615	512.97
LOCATION L0007529	VOLUME	471168.971	3752325.746	512.99
LOCATION L0007530	VOLUME	471177.560	3752325.877	513.01
LOCATION L0007531	VOLUME	471186.149	3752326.008	513.02
LOCATION L0007532	VOLUME	471194.738	3752326.140	513.02
LOCATION L0007533	VOLUME	471203.327	3752326.271	513.01
LOCATION L0007534	VOLUME	471211.916	3752326.402	513.01
LOCATION L0007535	VOLUME	471220.505	3752326.533	512.97
LOCATION L0007536	VOLUME	471229.094	3752326.664	512.68
LOCATION L0007537	VOLUME	471237.683	3752326.795	512.39
LOCATION L0007538	VOLUME	471246.272	3752326.926	512.09
LOCATION L0007539	VOLUME	471254.861	3752327.057	512.15
LOCATION L0007540	VOLUME	471263.450	3752327.189	512.44

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

---

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE11

\*\* DESCRSRC Bldg H Idle

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 9.235E-06

\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 471393.152, 3752327.237, 512.28, 3.49, 4.00  
\*\* 471503.670, 3752328.924, 519.82, 3.49, 4.00

-----  
LOCATION L0007541 VOLUME 471397.447 3752327.302 512.14  
LOCATION L0007542 VOLUME 471406.036 3752327.433 512.21  
LOCATION L0007543 VOLUME 471414.625 3752327.565 512.49  
LOCATION L0007544 VOLUME 471423.214 3752327.696 512.76  
LOCATION L0007545 VOLUME 471431.803 3752327.827 513.33  
LOCATION L0007546 VOLUME 471440.392 3752327.958 514.73  
LOCATION L0007547 VOLUME 471448.981 3752328.089 516.13  
LOCATION L0007548 VOLUME 471457.570 3752328.220 517.52  
LOCATION L0007549 VOLUME 471466.159 3752328.351 518.29  
LOCATION L0007550 VOLUME 471474.748 3752328.482 518.89  
LOCATION L0007551 VOLUME 471483.337 3752328.614 519.49  
LOCATION L0007552 VOLUME 471491.926 3752328.745 519.94  
LOCATION L0007553 VOLUME 471500.515 3752328.876 519.95

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

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

\*\* LINE VOLUME Source ID = SLINE12

\*\* DESCRSRC Bldg C Idle E

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00003622

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 472046.003, 3751988.091, 524.61, 3.49, 4.00

\*\* 472044.174, 3752209.964, 521.00, 3.49, 4.00

-----  
LOCATION L0007554 VOLUME 472045.968 3751992.386 524.08  
LOCATION L0007555 VOLUME 472045.897 3752000.975 524.51  
LOCATION L0007556 VOLUME 472045.826 3752009.565 524.81  
LOCATION L0007557 VOLUME 472045.755 3752018.155 525.10  
LOCATION L0007558 VOLUME 472045.684 3752026.744 525.39  
LOCATION L0007559 VOLUME 472045.614 3752035.334 525.40  
LOCATION L0007560 VOLUME 472045.543 3752043.924 525.40  
LOCATION L0007561 VOLUME 472045.472 3752052.513 525.41  
LOCATION L0007562 VOLUME 472045.401 3752061.103 525.50  
LOCATION L0007563 VOLUME 472045.330 3752069.693 525.65  
LOCATION L0007564 VOLUME 472045.260 3752078.283 525.81  
LOCATION L0007565 VOLUME 472045.189 3752086.872 525.96  
LOCATION L0007566 VOLUME 472045.118 3752095.462 525.82  
LOCATION L0007567 VOLUME 472045.047 3752104.052 525.69  
LOCATION L0007568 VOLUME 472044.976 3752112.641 525.55  
LOCATION L0007569 VOLUME 472044.906 3752121.231 525.26  
LOCATION L0007570 VOLUME 472044.835 3752129.821 524.84  
LOCATION L0007571 VOLUME 472044.764 3752138.411 524.41  
LOCATION L0007572 VOLUME 472044.693 3752147.000 523.98  
LOCATION L0007573 VOLUME 472044.623 3752155.590 523.55  
LOCATION L0007574 VOLUME 472044.552 3752164.180 523.12  
LOCATION L0007575 VOLUME 472044.481 3752172.769 522.70  
LOCATION L0007576 VOLUME 472044.410 3752181.359 522.27  
LOCATION L0007577 VOLUME 472044.339 3752189.949 521.84  
LOCATION L0007578 VOLUME 472044.269 3752198.539 521.41  
LOCATION L0007579 VOLUME 472044.198 3752207.128 520.98

\*\* End of LINE VOLUME Source ID = SLINE12

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

\*\* LINE VOLUME Source ID = SLINE13

\*\* DESCRSRC Bldg J Idle

\*\* PREFIX

\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 7.203E-06  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 471627.857, 3752328.825, 518.00, 3.49, 4.00  
\*\* 471724.774, 3752329.434, 518.03, 3.49, 4.00

---

LOCATION L0007580	VOLUME	471632.152	3752328.852	517.72
LOCATION L0007581	VOLUME	471640.742	3752328.906	517.67
LOCATION L0007582	VOLUME	471649.332	3752328.960	517.99
LOCATION L0007583	VOLUME	471657.922	3752329.014	518.31
LOCATION L0007584	VOLUME	471666.512	3752329.068	518.64
LOCATION L0007585	VOLUME	471675.101	3752329.122	518.58
LOCATION L0007586	VOLUME	471683.691	3752329.176	518.32
LOCATION L0007587	VOLUME	471692.281	3752329.230	518.05
LOCATION L0007588	VOLUME	471700.871	3752329.284	517.82
LOCATION L0007589	VOLUME	471709.461	3752329.338	517.79
LOCATION L0007590	VOLUME	471718.051	3752329.392	517.76

\*\* End of LINE VOLUME Source ID = SLINE13

---

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE14

\*\* DESCRSRC Bldg K Idle

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 9.235E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471873.503, 3752330.653, 515.74, 3.49, 4.00

\*\* 472056.365, 3752331.872, 509.32, 3.49, 4.00

---

LOCATION L0007591	VOLUME	471877.798	3752330.682	515.70
LOCATION L0007592	VOLUME	471886.387	3752330.739	515.86
LOCATION L0007593	VOLUME	471894.977	3752330.796	515.86
LOCATION L0007594	VOLUME	471903.567	3752330.854	515.86
LOCATION L0007595	VOLUME	471912.157	3752330.911	515.77
LOCATION L0007596	VOLUME	471920.747	3752330.968	515.48
LOCATION L0007597	VOLUME	471929.336	3752331.025	515.19
LOCATION L0007598	VOLUME	471937.926	3752331.083	514.91
LOCATION L0007599	VOLUME	471946.516	3752331.140	515.05
LOCATION L0007600	VOLUME	471955.106	3752331.197	515.29
LOCATION L0007601	VOLUME	471963.696	3752331.254	515.53
LOCATION L0007602	VOLUME	471972.285	3752331.312	515.43
LOCATION L0007603	VOLUME	471980.875	3752331.369	514.61
LOCATION L0007604	VOLUME	471989.465	3752331.426	513.80
LOCATION L0007605	VOLUME	471998.055	3752331.484	512.98
LOCATION L0007606	VOLUME	472006.645	3752331.541	512.56
LOCATION L0007607	VOLUME	472015.235	3752331.598	512.23
LOCATION L0007608	VOLUME	472023.824	3752331.655	511.89
LOCATION L0007609	VOLUME	472032.414	3752331.713	511.36
LOCATION L0007610	VOLUME	472041.004	3752331.770	510.45
LOCATION L0007611	VOLUME	472049.594	3752331.827	509.54

\*\* End of LINE VOLUME Source ID = SLINE14

---

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE15

\*\* DESCRSRC MU 98k N Idle

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 4.39E-06

\*\* Vertical Dimension = 6.99



\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 471072.464, 3752159.486, 511.77, 3.49, 4.00  
\*\* 471071.658, 3752273.135, 508.16, 3.49, 4.00

-----  
LOCATION L0007612        VOLUME    471072.433 3752163.781 510.49  
LOCATION L0007613        VOLUME    471072.372 3752172.371 509.68  
LOCATION L0007614        VOLUME    471072.311 3752180.961 509.12  
LOCATION L0007615        VOLUME    471072.250 3752189.550 508.80  
LOCATION L0007616        VOLUME    471072.189 3752198.140 508.49  
LOCATION L0007617        VOLUME    471072.129 3752206.730 508.17  
LOCATION L0007618        VOLUME    471072.068 3752215.320 508.43  
LOCATION L0007619        VOLUME    471072.007 3752223.910 508.69  
LOCATION L0007620        VOLUME    471071.946 3752232.499 508.95  
LOCATION L0007621        VOLUME    471071.885 3752241.089 508.95  
LOCATION L0007622        VOLUME    471071.824 3752249.679 508.71  
LOCATION L0007623        VOLUME    471071.763 3752258.269 508.46  
LOCATION L0007624        VOLUME    471071.702 3752266.858 508.21

\*\* End of LINE VOLUME Source ID = SLINE15

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

\*\* LINE VOLUME Source ID = SLINE16

\*\* DESCRSRC MU 77k Idle

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 3.449E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471007.982, 3751965.235, 512.00, 3.49, 4.00

\*\* 471030.551, 3752021.657, 514.79, 3.49, 4.00

-----  
LOCATION L0007625        VOLUME    471009.577 3751969.223 512.09  
LOCATION L0007626        VOLUME    471012.767 3751977.199 512.46  
LOCATION L0007627        VOLUME    471015.958 3751985.174 512.83  
LOCATION L0007628        VOLUME    471019.148 3751993.150 513.20  
LOCATION L0007629        VOLUME    471022.338 3752001.125 513.58  
LOCATION L0007630        VOLUME    471025.528 3752009.101 513.95  
LOCATION L0007631        VOLUME    471028.719 3752017.077 514.32

\*\* End of LINE VOLUME Source ID = SLINE16

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

\*\* LINE VOLUME Source ID = SLINE17

\*\* DESCRSRC MU 131k Idle

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 5.868E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471015.236, 3751733.907, 517.21, 3.49, 4.00

\*\* 471015.236, 3751822.569, 516.68, 3.49, 4.00

-----  
LOCATION L0007632        VOLUME    471015.236 3751738.202 516.73  
LOCATION L0007633        VOLUME    471015.236 3751746.792 516.39  
LOCATION L0007634        VOLUME    471015.236 3751755.382 516.05  
LOCATION L0007635        VOLUME    471015.236 3751763.972 515.91  
LOCATION L0007636        VOLUME    471015.236 3751772.562 515.80  
LOCATION L0007637        VOLUME    471015.236 3751781.152 515.69  
LOCATION L0007638        VOLUME    471015.236 3751789.742 515.68  
LOCATION L0007639        VOLUME    471015.236 3751798.332 515.86  
LOCATION L0007640        VOLUME    471015.236 3751806.922 516.04  
LOCATION L0007641        VOLUME    471015.236 3751815.512 516.22

\*\* End of LINE VOLUME Source ID = SLINE17

```

** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE18
** DESCRSRC MU 98k S Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 4.39E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 471016.042, 3751595.271, 519.80, 3.49, 4.00
** 471016.042, 3751684.740, 519.18, 3.49, 4.00
** -----
LOCATION L0007642      VOLUME  471016.042 3751599.566 520.02
LOCATION L0007643      VOLUME  471016.042 3751608.156 519.70
LOCATION L0007644      VOLUME  471016.042 3751616.746 519.99
LOCATION L0007645      VOLUME  471016.042 3751625.336 520.27
LOCATION L0007646      VOLUME  471016.042 3751633.926 520.56
LOCATION L0007647      VOLUME  471016.042 3751642.516 520.61
LOCATION L0007648      VOLUME  471016.042 3751651.106 520.55
LOCATION L0007649      VOLUME  471016.042 3751659.696 520.48
LOCATION L0007650      VOLUME  471016.042 3751668.286 520.36
LOCATION L0007651      VOLUME  471016.042 3751676.876 519.95
** End of LINE VOLUME Source ID = SLINE18
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE19
** DESCRSRC MU 110k Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 4.927E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 471161.126, 3751442.127, 525.48, 3.49, 4.00
** 471161.126, 3751322.836, 523.77, 3.49, 4.00
** -----
LOCATION L0007652      VOLUME  471161.126 3751437.832 525.41
LOCATION L0007653      VOLUME  471161.126 3751429.242 525.13
LOCATION L0007654      VOLUME  471161.126 3751420.652 524.86
LOCATION L0007655      VOLUME  471161.126 3751412.062 524.59
LOCATION L0007656      VOLUME  471161.126 3751403.472 524.32
LOCATION L0007657      VOLUME  471161.126 3751394.882 524.16
LOCATION L0007658      VOLUME  471161.126 3751386.292 524.43
LOCATION L0007659      VOLUME  471161.126 3751377.702 524.70
LOCATION L0007660      VOLUME  471161.126 3751369.112 524.98
LOCATION L0007661      VOLUME  471161.126 3751360.522 524.86
LOCATION L0007662      VOLUME  471161.126 3751351.932 524.59
LOCATION L0007663      VOLUME  471161.126 3751343.342 524.32
LOCATION L0007664      VOLUME  471161.126 3751334.752 524.04
LOCATION L0007665      VOLUME  471161.126 3751326.162 523.76
** End of LINE VOLUME Source ID = SLINE19
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE20
** DESCRSRC Cactus 40%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.00004011
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 471783.009, 3751890.344, 534.89, 3.49, 6.51

```

\*\* 471064.829, 3751884.263, 512.97, 3.49, 6.51

\*\*

LOCATION	L0007666	VOLUME	471776.009	3751890.284	534.88
LOCATION	L0007667	VOLUME	471762.010	3751890.166	534.68
LOCATION	L0007668	VOLUME	471748.010	3751890.047	535.18
LOCATION	L0007669	VOLUME	471734.011	3751889.929	535.80
LOCATION	L0007670	VOLUME	471720.011	3751889.810	536.00
LOCATION	L0007671	VOLUME	471706.012	3751889.692	536.00
LOCATION	L0007672	VOLUME	471692.012	3751889.573	536.00
LOCATION	L0007673	VOLUME	471678.013	3751889.455	536.00
LOCATION	L0007674	VOLUME	471664.013	3751889.336	536.00
LOCATION	L0007675	VOLUME	471650.014	3751889.218	536.00
LOCATION	L0007676	VOLUME	471636.014	3751889.099	536.00
LOCATION	L0007677	VOLUME	471622.015	3751888.981	536.00
LOCATION	L0007678	VOLUME	471608.015	3751888.862	536.00
LOCATION	L0007679	VOLUME	471594.016	3751888.744	536.00
LOCATION	L0007680	VOLUME	471580.016	3751888.625	536.00
LOCATION	L0007681	VOLUME	471566.017	3751888.507	535.37
LOCATION	L0007682	VOLUME	471552.017	3751888.388	534.72
LOCATION	L0007683	VOLUME	471538.018	3751888.270	533.61
LOCATION	L0007684	VOLUME	471524.018	3751888.151	532.39
LOCATION	L0007685	VOLUME	471510.019	3751888.032	531.48
LOCATION	L0007686	VOLUME	471496.020	3751887.914	530.73
LOCATION	L0007687	VOLUME	471482.020	3751887.795	529.87
LOCATION	L0007688	VOLUME	471468.021	3751887.677	528.93
LOCATION	L0007689	VOLUME	471454.021	3751887.558	528.18
LOCATION	L0007690	VOLUME	471440.022	3751887.440	527.71
LOCATION	L0007691	VOLUME	471426.022	3751887.321	527.08
LOCATION	L0007692	VOLUME	471412.023	3751887.203	525.98
LOCATION	L0007693	VOLUME	471398.023	3751887.084	524.95
LOCATION	L0007694	VOLUME	471384.024	3751886.966	524.48
LOCATION	L0007695	VOLUME	471370.024	3751886.847	524.02
LOCATION	L0007696	VOLUME	471356.025	3751886.729	523.55
LOCATION	L0007697	VOLUME	471342.025	3751886.610	523.08
LOCATION	L0007698	VOLUME	471328.026	3751886.492	522.87
LOCATION	L0007699	VOLUME	471314.026	3751886.373	522.72
LOCATION	L0007700	VOLUME	471300.027	3751886.255	522.67
LOCATION	L0007701	VOLUME	471286.027	3751886.136	522.64
LOCATION	L0007702	VOLUME	471272.028	3751886.018	522.97
LOCATION	L0007703	VOLUME	471258.028	3751885.899	523.61
LOCATION	L0007704	VOLUME	471244.029	3751885.781	524.18
LOCATION	L0007705	VOLUME	471230.029	3751885.662	524.65
LOCATION	L0007706	VOLUME	471216.030	3751885.544	525.00
LOCATION	L0007707	VOLUME	471202.030	3751885.425	525.00
LOCATION	L0007708	VOLUME	471188.031	3751885.306	524.95
LOCATION	L0007709	VOLUME	471174.031	3751885.188	524.48
LOCATION	L0007710	VOLUME	471160.032	3751885.069	524.02
LOCATION	L0007711	VOLUME	471146.032	3751884.951	522.20
LOCATION	L0007712	VOLUME	471132.033	3751884.832	520.33
LOCATION	L0007713	VOLUME	471118.033	3751884.714	518.95
LOCATION	L0007714	VOLUME	471104.034	3751884.595	517.67
LOCATION	L0007715	VOLUME	471090.034	3751884.477	516.08
LOCATION	L0007716	VOLUME	471076.035	3751884.358	514.32

\*\* End of LINE VOLUME Source ID = SLINE20

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE21

\*\* DESCRSRC Cactus 100%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0002364

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 21

\*\* 471783.009, 3751890.701, 534.84, 3.49, 6.51

\*\* 471937.518, 3751892.847, 532.73, 3.49, 6.51  
 \*\* 471967.919, 3751890.344, 530.29, 3.49, 6.51  
 \*\* 472028.721, 3751881.402, 531.03, 3.49, 6.51  
 \*\* 472138.165, 3751849.928, 525.23, 3.49, 6.51  
 \*\* 472190.026, 3751839.556, 518.48, 3.49, 6.51  
 \*\* 472251.185, 3751834.906, 516.97, 3.49, 6.51  
 \*\* 472386.023, 3751843.848, 505.08, 3.49, 6.51  
 \*\* 472605.268, 3751861.731, 494.77, 3.49, 6.51  
 \*\* 472649.618, 3751864.950, 492.96, 3.49, 6.51  
 \*\* 472678.946, 3751868.526, 491.74, 3.49, 6.51  
 \*\* 472893.551, 3751939.433, 487.93, 3.49, 6.51  
 \*\* 473010.361, 3751979.489, 485.25, 3.49, 6.51  
 \*\* 473047.316, 3751993.703, 484.02, 3.49, 6.51  
 \*\* 473088.923, 3752005.590, 483.14, 3.49, 6.51  
 \*\* 473118.125, 3752011.792, 482.83, 3.49, 6.51  
 \*\* 473170.069, 3752017.736, 481.18, 3.49, 6.51  
 \*\* 473234.052, 3752016.140, 480.06, 3.49, 6.51  
 \*\* 473315.533, 3752022.220, 478.02, 3.49, 6.51  
 \*\* 473422.857, 3752035.902, 475.57, 3.49, 6.51  
 \*\* 473443.227, 3752040.462, 475.45, 3.49, 6.51

\*\*

---

LOCATION L0007717	VOLUME	471790.009	3751890.799	535.07
LOCATION L0007718	VOLUME	471804.007	3751890.993	535.50
LOCATION L0007719	VOLUME	471818.006	3751891.187	535.95
LOCATION L0007720	VOLUME	471832.004	3751891.382	536.41
LOCATION L0007721	VOLUME	471846.003	3751891.576	536.88
LOCATION L0007722	VOLUME	471860.002	3751891.771	537.00
LOCATION L0007723	VOLUME	471874.000	3751891.965	537.00
LOCATION L0007724	VOLUME	471887.999	3751892.160	536.57
LOCATION L0007725	VOLUME	471901.998	3751892.354	535.86
LOCATION L0007726	VOLUME	471915.996	3751892.548	534.93
LOCATION L0007727	VOLUME	471929.995	3751892.743	533.74
LOCATION L0007728	VOLUME	471943.972	3751892.316	532.52
LOCATION L0007729	VOLUME	471957.925	3751891.167	531.20
LOCATION L0007730	VOLUME	471971.849	3751889.766	530.20
LOCATION L0007731	VOLUME	471985.700	3751887.729	530.80
LOCATION L0007732	VOLUME	471999.551	3751885.692	531.40
LOCATION L0007733	VOLUME	472013.402	3751883.655	531.29
LOCATION L0007734	VOLUME	472027.253	3751881.618	531.05
LOCATION L0007735	VOLUME	472040.750	3751877.943	530.56
LOCATION L0007736	VOLUME	472054.205	3751874.074	530.33
LOCATION L0007737	VOLUME	472067.659	3751870.204	530.37
LOCATION L0007738	VOLUME	472081.114	3751866.335	530.44
LOCATION L0007739	VOLUME	472094.569	3751862.466	530.23
LOCATION L0007740	VOLUME	472108.023	3751858.596	529.62
LOCATION L0007741	VOLUME	472121.478	3751854.727	528.67
LOCATION L0007742	VOLUME	472134.933	3751850.858	526.15
LOCATION L0007743	VOLUME	472148.595	3751847.842	523.31
LOCATION L0007744	VOLUME	472162.323	3751845.097	520.97
LOCATION L0007745	VOLUME	472176.051	3751842.351	518.98
LOCATION L0007746	VOLUME	472189.780	3751839.605	518.44
LOCATION L0007747	VOLUME	472203.735	3751838.514	518.22
LOCATION L0007748	VOLUME	472217.695	3751837.453	518.31
LOCATION L0007749	VOLUME	472231.655	3751836.391	518.62
LOCATION L0007750	VOLUME	472245.614	3751835.330	517.95
LOCATION L0007751	VOLUME	472259.580	3751835.463	515.78
LOCATION L0007752	VOLUME	472273.549	3751836.389	513.78
LOCATION L0007753	VOLUME	472287.518	3751837.316	512.71
LOCATION L0007754	VOLUME	472301.488	3751838.242	511.78
LOCATION L0007755	VOLUME	472315.457	3751839.168	511.22
LOCATION L0007756	VOLUME	472329.426	3751840.095	510.66
LOCATION L0007757	VOLUME	472343.396	3751841.021	508.72
LOCATION L0007758	VOLUME	472357.365	3751841.948	506.77
LOCATION L0007759	VOLUME	472371.334	3751842.874	505.94
LOCATION L0007760	VOLUME	472385.304	3751843.800	505.35
LOCATION L0007761	VOLUME	472399.258	3751844.927	505.10

LOCATION	L0007762	VOLUME	472413.212	3751846.066	505.02
LOCATION	L0007763	VOLUME	472427.165	3751847.204	505.24
LOCATION	L0007764	VOLUME	472441.119	3751848.342	505.70
LOCATION	L0007765	VOLUME	472455.073	3751849.480	505.67
LOCATION	L0007766	VOLUME	472469.026	3751850.618	504.88
LOCATION	L0007767	VOLUME	472482.980	3751851.756	504.02
LOCATION	L0007768	VOLUME	472496.934	3751852.894	502.80
LOCATION	L0007769	VOLUME	472510.887	3751854.033	501.69
LOCATION	L0007770	VOLUME	472524.841	3751855.171	501.20
LOCATION	L0007771	VOLUME	472538.795	3751856.309	500.68
LOCATION	L0007772	VOLUME	472552.748	3751857.447	499.69
LOCATION	L0007773	VOLUME	472566.702	3751858.585	498.63
LOCATION	L0007774	VOLUME	472580.656	3751859.723	496.96
LOCATION	L0007775	VOLUME	472594.609	3751860.861	495.14
LOCATION	L0007776	VOLUME	472608.565	3751861.970	494.36
LOCATION	L0007777	VOLUME	472622.528	3751862.984	494.13
LOCATION	L0007778	VOLUME	472636.492	3751863.997	493.73
LOCATION	L0007779	VOLUME	472650.451	3751865.051	493.15
LOCATION	L0007780	VOLUME	472664.348	3751866.746	492.55
LOCATION	L0007781	VOLUME	472678.245	3751868.441	492.09
LOCATION	L0007782	VOLUME	472691.569	3751872.697	491.45
LOCATION	L0007783	VOLUME	472704.862	3751877.089	491.48
LOCATION	L0007784	VOLUME	472718.155	3751881.481	491.34
LOCATION	L0007785	VOLUME	472731.448	3751885.873	491.16
LOCATION	L0007786	VOLUME	472744.742	3751890.265	491.02
LOCATION	L0007787	VOLUME	472758.035	3751894.658	490.71
LOCATION	L0007788	VOLUME	472771.328	3751899.050	490.19
LOCATION	L0007789	VOLUME	472784.621	3751903.442	489.81
LOCATION	L0007790	VOLUME	472797.914	3751907.834	490.11
LOCATION	L0007791	VOLUME	472811.208	3751912.226	490.35
LOCATION	L0007792	VOLUME	472824.501	3751916.618	489.34
LOCATION	L0007793	VOLUME	472837.794	3751921.010	488.58
LOCATION	L0007794	VOLUME	472851.087	3751925.402	488.23
LOCATION	L0007795	VOLUME	472864.380	3751929.795	488.04
LOCATION	L0007796	VOLUME	472877.674	3751934.187	487.98
LOCATION	L0007797	VOLUME	472890.967	3751938.579	488.00
LOCATION	L0007798	VOLUME	472904.220	3751943.091	487.85
LOCATION	L0007799	VOLUME	472917.463	3751947.632	487.41
LOCATION	L0007800	VOLUME	472930.706	3751952.174	487.00
LOCATION	L0007801	VOLUME	472943.949	3751956.715	487.00
LOCATION	L0007802	VOLUME	472957.192	3751961.256	487.00
LOCATION	L0007803	VOLUME	472970.435	3751965.798	486.64
LOCATION	L0007804	VOLUME	472983.678	3751970.339	486.07
LOCATION	L0007805	VOLUME	472996.920	3751974.880	485.55
LOCATION	L0007806	VOLUME	473010.163	3751979.421	485.18
LOCATION	L0007807	VOLUME	473023.233	3751984.440	484.93
LOCATION	L0007808	VOLUME	473036.300	3751989.466	484.58
LOCATION	L0007809	VOLUME	473049.429	3751994.306	484.08
LOCATION	L0007810	VOLUME	473062.890	3751998.152	483.56
LOCATION	L0007811	VOLUME	473076.351	3752001.998	483.11
LOCATION	L0007812	VOLUME	473089.828	3752005.783	483.00
LOCATION	L0007813	VOLUME	473103.522	3752008.691	483.00
LOCATION	L0007814	VOLUME	473117.217	3752011.600	482.75
LOCATION	L0007815	VOLUME	473131.112	3752013.279	482.28
LOCATION	L0007816	VOLUME	473145.021	3752014.870	481.89
LOCATION	L0007817	VOLUME	473158.930	3752016.462	481.57
LOCATION	L0007818	VOLUME	473172.857	3752017.667	481.27
LOCATION	L0007819	VOLUME	473186.853	3752017.317	481.13
LOCATION	L0007820	VOLUME	473200.848	3752016.968	480.96
LOCATION	L0007821	VOLUME	473214.844	3752016.619	480.49
LOCATION	L0007822	VOLUME	473228.840	3752016.270	480.03
LOCATION	L0007823	VOLUME	473242.814	3752016.793	480.00
LOCATION	L0007824	VOLUME	473256.775	3752017.835	480.00
LOCATION	L0007825	VOLUME	473270.736	3752018.877	479.63
LOCATION	L0007826	VOLUME	473284.697	3752019.919	479.16
LOCATION	L0007827	VOLUME	473298.658	3752020.961	478.70

LOCATION	L0007828	VOLUME	473312.619	3752022.003	478.23
LOCATION	L0007829	VOLUME	473326.522	3752023.621	477.77
LOCATION	L0007830	VOLUME	473340.410	3752025.392	477.31
LOCATION	L0007831	VOLUME	473354.298	3752027.162	476.84
LOCATION	L0007832	VOLUME	473368.185	3752028.932	476.38
LOCATION	L0007833	VOLUME	473382.073	3752030.703	476.00
LOCATION	L0007834	VOLUME	473395.960	3752032.473	476.00
LOCATION	L0007835	VOLUME	473409.848	3752034.243	475.99
LOCATION	L0007836	VOLUME	473423.721	3752036.095	475.68
LOCATION	L0007837	VOLUME	473437.383	3752039.154	475.46

\*\* End of LINE VOLUME Source ID = SLINE21

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE22

\*\* DESCRSRC Bandit 25%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0000236

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 8

\*\* 471063.609, 3751886.059, 512.93, 3.49, 6.51

\*\* 471065.506, 3751935.378, 516.91, 3.49, 6.51

\*\* 471068.352, 3751974.263, 516.80, 3.49, 6.51

\*\* 471094.908, 3752054.880, 515.07, 3.49, 6.51

\*\* 471118.618, 3752119.373, 512.02, 3.49, 6.51

\*\* 471126.206, 3752159.207, 513.03, 3.49, 6.51

\*\* 471125.257, 3752255.947, 511.96, 3.49, 6.51

\*\* 471422.115, 3752258.792, 518.41, 3.49, 6.51

\*\*

LOCATION	L0007838	VOLUME	471063.878	3751893.054	513.61
LOCATION	L0007839	VOLUME	471064.416	3751907.044	514.51
LOCATION	L0007840	VOLUME	471064.955	3751921.034	515.50
LOCATION	L0007841	VOLUME	471065.493	3751935.023	516.49
LOCATION	L0007842	VOLUME	471066.502	3751948.987	516.65
LOCATION	L0007843	VOLUME	471067.524	3751962.949	516.74
LOCATION	L0007844	VOLUME	471069.182	3751976.786	516.62
LOCATION	L0007845	VOLUME	471073.563	3751990.083	516.35
LOCATION	L0007846	VOLUME	471077.943	3752003.380	516.28
LOCATION	L0007847	VOLUME	471082.323	3752016.677	516.43
LOCATION	L0007848	VOLUME	471086.703	3752029.974	516.40
LOCATION	L0007849	VOLUME	471091.084	3752043.271	515.77
LOCATION	L0007850	VOLUME	471095.521	3752056.549	515.01
LOCATION	L0007851	VOLUME	471100.352	3752069.689	514.15
LOCATION	L0007852	VOLUME	471105.183	3752082.829	513.28
LOCATION	L0007853	VOLUME	471110.014	3752095.969	512.69
LOCATION	L0007854	VOLUME	471114.845	3752109.109	512.25
LOCATION	L0007855	VOLUME	471119.192	3752122.383	512.19
LOCATION	L0007856	VOLUME	471121.811	3752136.136	512.65
LOCATION	L0007857	VOLUME	471124.431	3752149.889	512.89
LOCATION	L0007858	VOLUME	471126.161	3752163.721	512.43
LOCATION	L0007859	VOLUME	471126.024	3752177.720	511.99
LOCATION	L0007860	VOLUME	471125.887	3752191.720	511.88
LOCATION	L0007861	VOLUME	471125.750	3752205.719	511.75
LOCATION	L0007862	VOLUME	471125.612	3752219.718	511.74
LOCATION	L0007863	VOLUME	471125.475	3752233.717	511.73
LOCATION	L0007864	VOLUME	471125.338	3752247.717	511.77
LOCATION	L0007865	VOLUME	471131.027	3752256.002	512.05
LOCATION	L0007866	VOLUME	471145.026	3752256.136	512.52
LOCATION	L0007867	VOLUME	471159.025	3752256.270	512.98
LOCATION	L0007868	VOLUME	471173.025	3752256.405	513.76
LOCATION	L0007869	VOLUME	471187.024	3752256.539	514.53
LOCATION	L0007870	VOLUME	471201.023	3752256.673	515.05
LOCATION	L0007871	VOLUME	471215.023	3752256.807	515.51
LOCATION	L0007872	VOLUME	471229.022	3752256.941	515.33

LOCATION	L0007873	VOLUME	471243.022	3752257.075	514.86
LOCATION	L0007874	VOLUME	471257.021	3752257.210	514.71
LOCATION	L0007875	VOLUME	471271.020	3752257.344	514.84
LOCATION	L0007876	VOLUME	471285.020	3752257.478	515.04
LOCATION	L0007877	VOLUME	471299.019	3752257.612	515.36
LOCATION	L0007878	VOLUME	471313.018	3752257.746	515.79
LOCATION	L0007879	VOLUME	471327.018	3752257.880	516.58
LOCATION	L0007880	VOLUME	471341.017	3752258.015	517.30
LOCATION	L0007881	VOLUME	471355.016	3752258.149	517.43
LOCATION	L0007882	VOLUME	471369.016	3752258.283	517.55
LOCATION	L0007883	VOLUME	471383.015	3752258.417	518.00
LOCATION	L0007884	VOLUME	471397.014	3752258.551	518.45
LOCATION	L0007885	VOLUME	471411.014	3752258.686	518.63

\*\* End of LINE VOLUME Source ID = SLINE22

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE23

\*\* DESCRSRC Bandit 30% N

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00003048

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 3

\*\* 471421.774, 3752257.642, 518.48, 3.49, 6.51

\*\* 471780.295, 3752259.839, 519.20, 3.49, 6.51

\*\* 471783.151, 3751890.773, 534.84, 3.49, 6.51

\*\* -----

LOCATION	L0007886	VOLUME	471428.774	3752257.685	518.89
LOCATION	L0007887	VOLUME	471442.774	3752257.771	519.02
LOCATION	L0007888	VOLUME	471456.773	3752257.856	519.14
LOCATION	L0007889	VOLUME	471470.773	3752257.942	519.53
LOCATION	L0007890	VOLUME	471484.773	3752258.028	519.99
LOCATION	L0007891	VOLUME	471498.773	3752258.114	520.80
LOCATION	L0007892	VOLUME	471512.772	3752258.200	521.79
LOCATION	L0007893	VOLUME	471526.772	3752258.285	522.52
LOCATION	L0007894	VOLUME	471540.772	3752258.371	522.98
LOCATION	L0007895	VOLUME	471554.772	3752258.457	522.80
LOCATION	L0007896	VOLUME	471568.771	3752258.543	521.52
LOCATION	L0007897	VOLUME	471582.771	3752258.628	520.38
LOCATION	L0007898	VOLUME	471596.771	3752258.714	519.68
LOCATION	L0007899	VOLUME	471610.770	3752258.800	519.12
LOCATION	L0007900	VOLUME	471624.770	3752258.886	519.92
LOCATION	L0007901	VOLUME	471638.770	3752258.972	520.72
LOCATION	L0007902	VOLUME	471652.770	3752259.057	521.97
LOCATION	L0007903	VOLUME	471666.769	3752259.143	523.24
LOCATION	L0007904	VOLUME	471680.769	3752259.229	523.21
LOCATION	L0007905	VOLUME	471694.769	3752259.315	522.85
LOCATION	L0007906	VOLUME	471708.769	3752259.401	522.58
LOCATION	L0007907	VOLUME	471722.768	3752259.486	522.35
LOCATION	L0007908	VOLUME	471736.768	3752259.572	521.94
LOCATION	L0007909	VOLUME	471750.768	3752259.658	521.36
LOCATION	L0007910	VOLUME	471764.768	3752259.744	520.65
LOCATION	L0007911	VOLUME	471778.767	3752259.829	519.72
LOCATION	L0007912	VOLUME	471780.392	3752247.367	519.61
LOCATION	L0007913	VOLUME	471780.500	3752233.368	519.53
LOCATION	L0007914	VOLUME	471780.609	3752219.368	519.19
LOCATION	L0007915	VOLUME	471780.717	3752205.369	518.87
LOCATION	L0007916	VOLUME	471780.825	3752191.369	518.73
LOCATION	L0007917	VOLUME	471780.934	3752177.369	518.58
LOCATION	L0007918	VOLUME	471781.042	3752163.370	518.69
LOCATION	L0007919	VOLUME	471781.150	3752149.370	518.82
LOCATION	L0007920	VOLUME	471781.259	3752135.371	519.48
LOCATION	L0007921	VOLUME	471781.367	3752121.371	520.27
LOCATION	L0007922	VOLUME	471781.475	3752107.371	521.61

LOCATION	L0007923	VOLUME	471781.584	3752093.372	523.22
LOCATION	L0007924	VOLUME	471781.692	3752079.372	524.06
LOCATION	L0007925	VOLUME	471781.800	3752065.373	524.18
LOCATION	L0007926	VOLUME	471781.909	3752051.373	524.43
LOCATION	L0007927	VOLUME	471782.017	3752037.374	524.89
LOCATION	L0007928	VOLUME	471782.125	3752023.374	525.57
LOCATION	L0007929	VOLUME	471782.234	3752009.374	526.97
LOCATION	L0007930	VOLUME	471782.342	3751995.375	528.28
LOCATION	L0007931	VOLUME	471782.450	3751981.375	528.75
LOCATION	L0007932	VOLUME	471782.559	3751967.376	529.21
LOCATION	L0007933	VOLUME	471782.667	3751953.376	529.67
LOCATION	L0007934	VOLUME	471782.775	3751939.377	530.14
LOCATION	L0007935	VOLUME	471782.884	3751925.377	531.56
LOCATION	L0007936	VOLUME	471782.992	3751911.377	533.22
LOCATION	L0007937	VOLUME	471783.100	3751897.378	534.47

\*\* End of LINE VOLUME Source ID = SLINE23

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE24

\*\* DESCRSRC Bandit 15%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00001559

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 3

\*\* 471063.923, 3751884.464, 512.94, 3.49, 6.51

\*\* 471067.349, 3751513.030, 522.92, 3.49, 6.51

\*\* 471440.154, 3751515.771, 534.93, 3.49, 6.51

\*\*

LOCATION	L0007938	VOLUME	471063.987	3751877.464	512.68
LOCATION	L0007939	VOLUME	471064.116	3751863.465	512.36
LOCATION	L0007940	VOLUME	471064.246	3751849.466	512.06
LOCATION	L0007941	VOLUME	471064.375	3751835.466	512.06
LOCATION	L0007942	VOLUME	471064.504	3751821.467	512.14
LOCATION	L0007943	VOLUME	471064.633	3751807.467	512.47
LOCATION	L0007944	VOLUME	471064.762	3751793.468	512.93
LOCATION	L0007945	VOLUME	471064.891	3751779.469	513.84
LOCATION	L0007946	VOLUME	471065.021	3751765.469	515.16
LOCATION	L0007947	VOLUME	471065.150	3751751.470	516.49
LOCATION	L0007948	VOLUME	471065.279	3751737.470	517.83
LOCATION	L0007949	VOLUME	471065.408	3751723.471	519.06
LOCATION	L0007950	VOLUME	471065.537	3751709.472	519.94
LOCATION	L0007951	VOLUME	471065.666	3751695.472	520.86
LOCATION	L0007952	VOLUME	471065.795	3751681.473	522.27
LOCATION	L0007953	VOLUME	471065.925	3751667.473	523.68
LOCATION	L0007954	VOLUME	471066.054	3751653.474	524.21
LOCATION	L0007955	VOLUME	471066.183	3751639.475	524.68
LOCATION	L0007956	VOLUME	471066.312	3751625.475	524.41
LOCATION	L0007957	VOLUME	471066.441	3751611.476	523.95
LOCATION	L0007958	VOLUME	471066.570	3751597.476	523.80
LOCATION	L0007959	VOLUME	471066.699	3751583.477	523.81
LOCATION	L0007960	VOLUME	471066.829	3751569.478	523.84
LOCATION	L0007961	VOLUME	471066.958	3751555.478	523.89
LOCATION	L0007962	VOLUME	471067.087	3751541.479	523.73
LOCATION	L0007963	VOLUME	471067.216	3751527.479	523.23
LOCATION	L0007964	VOLUME	471067.345	3751513.480	522.64
LOCATION	L0007965	VOLUME	471080.899	3751513.130	522.85
LOCATION	L0007966	VOLUME	471094.899	3751513.233	522.96
LOCATION	L0007967	VOLUME	471108.898	3751513.336	523.31
LOCATION	L0007968	VOLUME	471122.898	3751513.439	523.78
LOCATION	L0007969	VOLUME	471136.898	3751513.542	524.25
LOCATION	L0007970	VOLUME	471150.897	3751513.645	524.71
LOCATION	L0007971	VOLUME	471164.897	3751513.748	525.34
LOCATION	L0007972	VOLUME	471178.897	3751513.850	526.23



LOCATION	VOLUME			
L0007973	471192.896	3751513.953	527.03	
L0007974	471206.896	3751514.056	527.54	
L0007975	471220.895	3751514.159	528.05	
L0007976	471234.895	3751514.262	528.51	
L0007977	471248.895	3751514.365	528.98	
L0007978	471262.894	3751514.468	529.45	
L0007979	471276.894	3751514.571	529.91	
L0007980	471290.894	3751514.674	530.02	
L0007981	471304.893	3751514.777	530.05	
L0007982	471318.893	3751514.880	530.39	
L0007983	471332.892	3751514.983	530.88	
L0007984	471346.892	3751515.086	532.06	
L0007985	471360.892	3751515.189	533.87	
L0007986	471374.891	3751515.292	535.19	
L0007987	471388.891	3751515.395	535.67	
L0007988	471402.890	3751515.497	535.93	
L0007989	471416.890	3751515.600	535.46	
L0007990	471430.890	3751515.703	534.99	

\*\* End of LINE VOLUME Source ID = SLINE24

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE25

\*\* DESCRSRC Bandit 30% S

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00003009

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 3

\*\* 471437.937, 3751517.317, 534.98, 3.49, 6.51

\*\* 471786.513, 3751519.793, 535.03, 3.49, 6.51

\*\* 471783.047, 3751889.660, 536.07, 3.49, 6.51

\*\*

LOCATION	VOLUME			
L0007991	471444.937	3751517.367	534.46	
L0007992	471458.936	3751517.466	533.99	
L0007993	471472.936	3751517.566	533.52	
L0007994	471486.936	3751517.665	533.05	
L0007995	471500.935	3751517.765	532.23	
L0007996	471514.935	3751517.864	531.34	
L0007997	471528.935	3751517.964	530.72	
L0007998	471542.934	3751518.063	530.23	
L0007999	471556.934	3751518.162	530.00	
L0008000	471570.934	3751518.262	530.00	
L0008001	471584.933	3751518.361	530.00	
L0008002	471598.933	3751518.461	530.00	
L0008003	471612.932	3751518.560	529.99	
L0008004	471626.932	3751518.660	529.96	
L0008005	471640.932	3751518.759	529.89	
L0008006	471654.931	3751518.858	529.45	
L0008007	471668.931	3751518.958	529.02	
L0008008	471682.931	3751519.057	529.48	
L0008009	471696.930	3751519.157	529.99	
L0008010	471710.930	3751519.256	530.81	
L0008011	471724.930	3751519.356	531.71	
L0008012	471738.929	3751519.455	532.62	
L0008013	471752.929	3751519.554	533.56	
L0008014	471766.929	3751519.654	534.25	
L0008015	471780.928	3751519.753	534.71	
L0008016	471786.434	3751528.208	534.90	
L0008017	471786.303	3751542.207	534.89	
L0008018	471786.171	3751556.207	535.49	
L0008019	471786.040	3751570.206	536.36	
L0008020	471785.909	3751584.206	536.76	
L0008021	471785.778	3751598.205	536.75	
L0008022	471785.647	3751612.204	536.58	

LOCATION	VOLUME			
LOCATION L0008023	VOLUME	471785.515	3751626.204	536.17
LOCATION L0008024	VOLUME	471785.384	3751640.203	535.98
LOCATION L0008025	VOLUME	471785.253	3751654.202	536.44
LOCATION L0008026	VOLUME	471785.122	3751668.202	536.85
LOCATION L0008027	VOLUME	471784.991	3751682.201	536.85
LOCATION L0008028	VOLUME	471784.860	3751696.201	536.84
LOCATION L0008029	VOLUME	471784.728	3751710.200	536.84
LOCATION L0008030	VOLUME	471784.597	3751724.199	536.83
LOCATION L0008031	VOLUME	471784.466	3751738.199	536.83
LOCATION L0008032	VOLUME	471784.335	3751752.198	536.83
LOCATION L0008033	VOLUME	471784.204	3751766.198	537.14
LOCATION L0008034	VOLUME	471784.072	3751780.197	537.60
LOCATION L0008035	VOLUME	471783.941	3751794.196	537.61
LOCATION L0008036	VOLUME	471783.810	3751808.196	537.23
LOCATION L0008037	VOLUME	471783.679	3751822.195	537.00
LOCATION L0008038	VOLUME	471783.548	3751836.194	537.00
LOCATION L0008039	VOLUME	471783.417	3751850.194	536.88
LOCATION L0008040	VOLUME	471783.285	3751864.193	536.41
LOCATION L0008041	VOLUME	471783.154	3751878.193	535.89

\*\* End of LINE VOLUME Source ID = SLINE25

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE26

\*\* DESCRSRC Sycamore 5%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00002022

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 26

\*\* 473443.376, 3752040.242, 475.43, 3.49, 6.51

\*\* 473435.363, 3752092.459, 475.89, 3.49, 6.51

\*\* 473416.493, 3752154.757, 474.92, 3.49, 6.51

\*\* 473397.105, 3752189.654, 475.57, 3.49, 6.51

\*\* 473381.337, 3752217.055, 475.90, 3.49, 6.51

\*\* 473282.332, 3752345.787, 474.94, 3.49, 6.51

\*\* 473198.579, 3752453.581, 475.01, 3.49, 6.51

\*\* 473110.172, 3752568.612, 472.99, 3.49, 6.51

\*\* 473090.526, 3752597.823, 472.00, 3.49, 6.51

\*\* 473049.425, 3752668.651, 471.89, 3.49, 6.51

\*\* 473026.936, 3752734.827, 471.31, 3.49, 6.51

\*\* 473012.460, 3752796.349, 470.20, 3.49, 6.51

\*\* 473009.875, 3752870.797, 469.09, 3.49, 6.51

\*\* 473006.948, 3753091.235, 470.00, 3.49, 6.51

\*\* 472997.352, 3753306.457, 459.39, 3.49, 6.51

\*\* 472980.902, 3753379.797, 457.00, 3.49, 6.51

\*\* 472928.810, 3753461.362, 461.74, 3.49, 6.51

\*\* 472866.437, 3753519.623, 463.02, 3.49, 6.51

\*\* 472743.061, 3753608.042, 464.13, 3.49, 6.51

\*\* 472686.857, 3753660.819, 459.91, 3.49, 6.51

\*\* 472651.215, 3753719.080, 462.62, 3.49, 6.51

\*\* 472628.596, 3753778.026, 464.00, 3.49, 6.51

\*\* 472621.056, 3753832.175, 463.67, 3.49, 6.51

\*\* 472617.629, 3753969.944, 463.33, 3.49, 6.51

\*\* 472599.123, 3754362.690, 463.99, 3.49, 6.51

\*\* 472586.785, 3754662.219, 466.00, 3.49, 6.51

\*\*

LOCATION	VOLUME			
LOCATION L0008042	VOLUME	473442.315	3752047.161	475.62
LOCATION L0008043	VOLUME	473440.191	3752060.999	475.98
LOCATION L0008044	VOLUME	473438.067	3752074.837	475.97
LOCATION L0008045	VOLUME	473435.944	3752088.675	475.82
LOCATION L0008046	VOLUME	473432.414	3752102.194	475.36
LOCATION L0008047	VOLUME	473428.356	3752115.593	475.02
LOCATION L0008048	VOLUME	473424.297	3752128.992	474.80
LOCATION L0008049	VOLUME	473420.238	3752142.390	474.70

LOCATION	L0008050	VOLUME	473415.969	3752155.700	474.79
LOCATION	L0008051	VOLUME	473409.170	3752167.938	475.02
LOCATION	L0008052	VOLUME	473402.371	3752180.176	475.24
LOCATION	L0008053	VOLUME	473395.530	3752192.391	475.47
LOCATION	L0008054	VOLUME	473388.547	3752204.525	475.70
LOCATION	L0008055	VOLUME	473381.564	3752216.659	475.60
LOCATION	L0008056	VOLUME	473373.080	3752227.791	475.45
LOCATION	L0008057	VOLUME	473364.545	3752238.888	475.54
LOCATION	L0008058	VOLUME	473356.010	3752249.986	475.88
LOCATION	L0008059	VOLUME	473347.476	3752261.083	476.01
LOCATION	L0008060	VOLUME	473338.941	3752272.181	476.00
LOCATION	L0008061	VOLUME	473330.406	3752283.278	476.00
LOCATION	L0008062	VOLUME	473321.871	3752294.376	476.00
LOCATION	L0008063	VOLUME	473313.336	3752305.474	475.70
LOCATION	L0008064	VOLUME	473304.801	3752316.571	475.33
LOCATION	L0008065	VOLUME	473296.266	3752327.669	474.99
LOCATION	L0008066	VOLUME	473287.731	3752338.766	475.04
LOCATION	L0008067	VOLUME	473279.176	3752349.848	475.08
LOCATION	L0008068	VOLUME	473270.587	3752360.903	474.86
LOCATION	L0008069	VOLUME	473261.997	3752371.959	474.49
LOCATION	L0008070	VOLUME	473253.407	3752383.014	474.30
LOCATION	L0008071	VOLUME	473244.818	3752394.069	474.25
LOCATION	L0008072	VOLUME	473236.228	3752405.124	474.16
LOCATION	L0008073	VOLUME	473227.638	3752416.180	474.08
LOCATION	L0008074	VOLUME	473219.049	3752427.235	474.35
LOCATION	L0008075	VOLUME	473210.459	3752438.290	474.64
LOCATION	L0008076	VOLUME	473201.869	3752449.345	474.92
LOCATION	L0008077	VOLUME	473193.316	3752460.428	475.21
LOCATION	L0008078	VOLUME	473184.785	3752471.529	475.49
LOCATION	L0008079	VOLUME	473176.254	3752482.629	475.58
LOCATION	L0008080	VOLUME	473167.723	3752493.730	475.43
LOCATION	L0008081	VOLUME	473159.191	3752504.830	475.06
LOCATION	L0008082	VOLUME	473150.660	3752515.931	474.69
LOCATION	L0008083	VOLUME	473142.129	3752527.031	474.32
LOCATION	L0008084	VOLUME	473133.598	3752538.131	473.76
LOCATION	L0008085	VOLUME	473125.067	3752549.232	473.30
LOCATION	L0008086	VOLUME	473116.536	3752560.332	473.05
LOCATION	L0008087	VOLUME	473108.187	3752571.564	472.79
LOCATION	L0008088	VOLUME	473100.374	3752583.181	472.31
LOCATION	L0008089	VOLUME	473092.561	3752594.798	472.03
LOCATION	L0008090	VOLUME	473085.329	3752606.779	472.00
LOCATION	L0008091	VOLUME	473078.302	3752618.888	472.00
LOCATION	L0008092	VOLUME	473071.276	3752630.997	471.89
LOCATION	L0008093	VOLUME	473064.249	3752643.105	471.73
LOCATION	L0008094	VOLUME	473057.222	3752655.214	471.76
LOCATION	L0008095	VOLUME	473050.196	3752667.323	471.98
LOCATION	L0008096	VOLUME	473045.414	3752680.453	472.00
LOCATION	L0008097	VOLUME	473040.910	3752693.708	471.83
LOCATION	L0008098	VOLUME	473036.405	3752706.964	471.62
LOCATION	L0008099	VOLUME	473031.900	3752720.219	471.52
LOCATION	L0008100	VOLUME	473027.395	3752733.475	471.32
LOCATION	L0008101	VOLUME	473024.056	3752747.065	471.00
LOCATION	L0008102	VOLUME	473020.850	3752760.692	470.98
LOCATION	L0008103	VOLUME	473017.643	3752774.320	471.01
LOCATION	L0008104	VOLUME	473014.437	3752787.948	470.62
LOCATION	L0008105	VOLUME	473012.273	3752801.715	470.16
LOCATION	L0008106	VOLUME	473011.788	3752815.707	470.00
LOCATION	L0008107	VOLUME	473011.302	3752829.699	470.00
LOCATION	L0008108	VOLUME	473010.816	3752843.690	469.76
LOCATION	L0008109	VOLUME	473010.330	3752857.682	469.30
LOCATION	L0008110	VOLUME	473009.863	3752871.674	469.00
LOCATION	L0008111	VOLUME	473009.677	3752885.673	469.00
LOCATION	L0008112	VOLUME	473009.491	3752899.671	469.03
LOCATION	L0008113	VOLUME	473009.306	3752913.670	469.20
LOCATION	L0008114	VOLUME	473009.120	3752927.669	469.34
LOCATION	L0008115	VOLUME	473008.934	3752941.668	469.18

LOCATION L0008116	VOLUME	473008.748	3752955.666	469.01
LOCATION L0008117	VOLUME	473008.562	3752969.665	469.00
LOCATION L0008118	VOLUME	473008.376	3752983.664	469.00
LOCATION L0008119	VOLUME	473008.190	3752997.663	469.14
LOCATION L0008120	VOLUME	473008.005	3753011.661	469.32
LOCATION L0008121	VOLUME	473007.819	3753025.660	469.39
LOCATION L0008122	VOLUME	473007.633	3753039.659	469.40
LOCATION L0008123	VOLUME	473007.447	3753053.658	469.41
LOCATION L0008124	VOLUME	473007.261	3753067.656	469.41
LOCATION L0008125	VOLUME	473007.075	3753081.655	469.52
LOCATION L0008126	VOLUME	473006.751	3753095.650	469.79
LOCATION L0008127	VOLUME	473006.128	3753109.636	469.94
LOCATION L0008128	VOLUME	473005.504	3753123.622	469.70
LOCATION L0008129	VOLUME	473004.881	3753137.608	469.48
LOCATION L0008130	VOLUME	473004.257	3753151.594	469.26
LOCATION L0008131	VOLUME	473003.633	3753165.581	469.02
LOCATION L0008132	VOLUME	473003.010	3753179.567	468.57
LOCATION L0008133	VOLUME	473002.386	3753193.553	468.10
LOCATION L0008134	VOLUME	473001.763	3753207.539	466.76
LOCATION L0008135	VOLUME	473001.139	3753221.525	465.19
LOCATION L0008136	VOLUME	473000.515	3753235.511	464.15
LOCATION L0008137	VOLUME	472999.892	3753249.497	463.39
LOCATION L0008138	VOLUME	472999.268	3753263.483	462.54
LOCATION L0008139	VOLUME	472998.645	3753277.469	461.61
LOCATION L0008140	VOLUME	472998.021	3753291.455	460.68
LOCATION L0008141	VOLUME	472997.398	3753305.442	459.74
LOCATION L0008142	VOLUME	472994.511	3753319.126	458.85
LOCATION L0008143	VOLUME	472991.447	3753332.786	457.95
LOCATION L0008144	VOLUME	472988.383	3753346.447	457.01
LOCATION L0008145	VOLUME	472985.318	3753360.108	457.00
LOCATION L0008146	VOLUME	472982.254	3753373.768	457.00
LOCATION L0008147	VOLUME	472976.692	3753386.389	457.33
LOCATION L0008148	VOLUME	472969.157	3753398.188	457.72
LOCATION L0008149	VOLUME	472961.621	3753409.987	457.89
LOCATION L0008150	VOLUME	472954.086	3753421.786	457.31
LOCATION L0008151	VOLUME	472946.550	3753433.585	456.66
LOCATION L0008152	VOLUME	472939.015	3753445.384	457.52
LOCATION L0008153	VOLUME	472931.479	3753457.183	459.92
LOCATION L0008154	VOLUME	472922.203	3753467.533	462.82
LOCATION L0008155	VOLUME	472911.972	3753477.090	464.40
LOCATION L0008156	VOLUME	472901.741	3753486.646	465.55
LOCATION L0008157	VOLUME	472891.510	3753496.203	465.46
LOCATION L0008158	VOLUME	472881.279	3753505.759	464.23
LOCATION L0008159	VOLUME	472871.048	3753515.316	463.41
LOCATION L0008160	VOLUME	472860.186	3753524.103	462.79
LOCATION L0008161	VOLUME	472848.807	3753532.258	462.44
LOCATION L0008162	VOLUME	472837.427	3753540.413	462.49
LOCATION L0008163	VOLUME	472826.048	3753548.568	463.06
LOCATION L0008164	VOLUME	472814.668	3753556.724	463.84
LOCATION L0008165	VOLUME	472803.289	3753564.879	464.92
LOCATION L0008166	VOLUME	472791.909	3753573.034	465.59
LOCATION L0008167	VOLUME	472780.530	3753581.189	465.84
LOCATION L0008168	VOLUME	472769.150	3753589.345	465.62
LOCATION L0008169	VOLUME	472757.771	3753597.500	465.01
LOCATION L0008170	VOLUME	472746.392	3753605.655	464.26
LOCATION L0008171	VOLUME	472735.842	3753614.821	463.60
LOCATION L0008172	VOLUME	472725.637	3753624.404	462.73
LOCATION L0008173	VOLUME	472715.431	3753633.988	461.36
LOCATION L0008174	VOLUME	472705.225	3753643.571	459.71
LOCATION L0008175	VOLUME	472695.019	3753653.154	459.34
LOCATION L0008176	VOLUME	472685.394	3753663.210	459.84
LOCATION L0008177	VOLUME	472678.088	3753675.153	460.33
LOCATION L0008178	VOLUME	472670.782	3753687.095	460.72
LOCATION L0008179	VOLUME	472663.476	3753699.038	461.87
LOCATION L0008180	VOLUME	472656.170	3753710.980	463.02
LOCATION L0008181	VOLUME	472649.601	3753723.286	463.19

LOCATION	L0008182	VOLUME	472644.586	3753736.356	463.50
LOCATION	L0008183	VOLUME	472639.570	3753749.427	463.81
LOCATION	L0008184	VOLUME	472634.554	3753762.498	463.98
LOCATION	L0008185	VOLUME	472629.539	3753775.569	464.00
LOCATION	L0008186	VOLUME	472627.028	3753789.285	463.87
LOCATION	L0008187	VOLUME	472625.097	3753803.151	463.70
LOCATION	L0008188	VOLUME	472623.167	3753817.018	463.57
LOCATION	L0008189	VOLUME	472621.236	3753830.884	463.38
LOCATION	L0008190	VOLUME	472620.740	3753844.867	463.16
LOCATION	L0008191	VOLUME	472620.392	3753858.863	462.98
LOCATION	L0008192	VOLUME	472620.044	3753872.859	462.83
LOCATION	L0008193	VOLUME	472619.696	3753886.854	462.67
LOCATION	L0008194	VOLUME	472619.348	3753900.850	462.82
LOCATION	L0008195	VOLUME	472619.000	3753914.846	462.98
LOCATION	L0008196	VOLUME	472618.652	3753928.841	463.00
LOCATION	L0008197	VOLUME	472618.303	3753942.837	463.00
LOCATION	L0008198	VOLUME	472617.955	3753956.833	463.13
LOCATION	L0008199	VOLUME	472617.587	3753970.828	463.32
LOCATION	L0008200	VOLUME	472616.929	3753984.812	463.58
LOCATION	L0008201	VOLUME	472616.270	3753998.797	463.86
LOCATION	L0008202	VOLUME	472615.611	3754012.781	464.11
LOCATION	L0008203	VOLUME	472614.952	3754026.766	464.34
LOCATION	L0008204	VOLUME	472614.293	3754040.750	464.56
LOCATION	L0008205	VOLUME	472613.634	3754054.735	464.79
LOCATION	L0008206	VOLUME	472612.975	3754068.719	465.03
LOCATION	L0008207	VOLUME	472612.316	3754082.704	465.23
LOCATION	L0008208	VOLUME	472611.657	3754096.688	465.40
LOCATION	L0008209	VOLUME	472610.998	3754110.673	465.38
LOCATION	L0008210	VOLUME	472610.339	3754124.657	465.36
LOCATION	L0008211	VOLUME	472609.680	3754138.642	465.34
LOCATION	L0008212	VOLUME	472609.021	3754152.626	465.31
LOCATION	L0008213	VOLUME	472608.362	3754166.611	465.29
LOCATION	L0008214	VOLUME	472607.703	3754180.595	465.27
LOCATION	L0008215	VOLUME	472607.044	3754194.580	464.98
LOCATION	L0008216	VOLUME	472606.385	3754208.564	464.49
LOCATION	L0008217	VOLUME	472605.726	3754222.549	464.20
LOCATION	L0008218	VOLUME	472605.067	3754236.533	464.18
LOCATION	L0008219	VOLUME	472604.408	3754250.517	464.03
LOCATION	L0008220	VOLUME	472603.749	3754264.502	463.54
LOCATION	L0008221	VOLUME	472603.090	3754278.486	463.17
LOCATION	L0008222	VOLUME	472602.432	3754292.471	463.57
LOCATION	L0008223	VOLUME	472601.773	3754306.455	464.00
LOCATION	L0008224	VOLUME	472601.114	3754320.440	464.00
LOCATION	L0008225	VOLUME	472600.455	3754334.424	464.00
LOCATION	L0008226	VOLUME	472599.796	3754348.409	464.00
LOCATION	L0008227	VOLUME	472599.137	3754362.393	463.99
LOCATION	L0008228	VOLUME	472598.559	3754376.381	463.99
LOCATION	L0008229	VOLUME	472597.983	3754390.370	464.03
LOCATION	L0008230	VOLUME	472597.406	3754404.358	464.31
LOCATION	L0008231	VOLUME	472596.830	3754418.346	464.75
LOCATION	L0008232	VOLUME	472596.254	3754432.334	465.00
LOCATION	L0008233	VOLUME	472595.678	3754446.322	465.00
LOCATION	L0008234	VOLUME	472595.102	3754460.310	465.12
LOCATION	L0008235	VOLUME	472594.526	3754474.298	465.59
LOCATION	L0008236	VOLUME	472593.949	3754488.287	466.00
LOCATION	L0008237	VOLUME	472593.373	3754502.275	466.00
LOCATION	L0008238	VOLUME	472592.797	3754516.263	466.00
LOCATION	L0008239	VOLUME	472592.221	3754530.251	466.00
LOCATION	L0008240	VOLUME	472591.645	3754544.239	466.00
LOCATION	L0008241	VOLUME	472591.069	3754558.227	466.00
LOCATION	L0008242	VOLUME	472590.492	3754572.215	466.00
LOCATION	L0008243	VOLUME	472589.916	3754586.203	466.00
LOCATION	L0008244	VOLUME	472589.340	3754600.192	466.00
LOCATION	L0008245	VOLUME	472588.764	3754614.180	466.00
LOCATION	L0008246	VOLUME	472588.188	3754628.168	466.00
LOCATION	L0008247	VOLUME	472587.612	3754642.156	466.00

LOCATION L0008248        VOLUME    472587.035 3754656.144 466.00

\*\* End of LINE VOLUME Source ID = SLINE26

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE27

\*\* DESCRSRC Meridian 10%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00005129

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 26

\*\* 473443.504, 3752040.812, 475.46, 3.49, 6.51

\*\* 473447.899, 3751999.061, 475.12, 3.49, 6.51

\*\* 473441.087, 3751914.460, 476.06, 3.49, 6.51

\*\* 473419.333, 3751820.850, 476.81, 3.49, 6.51

\*\* 473411.642, 3751757.125, 477.00, 3.49, 6.51

\*\* 473414.718, 3751700.870, 479.00, 3.49, 6.51

\*\* 473424.607, 3751640.661, 480.57, 3.49, 6.51

\*\* 473435.813, 3751602.426, 480.04, 3.49, 6.51

\*\* 473475.147, 3751508.156, 480.18, 3.49, 6.51

\*\* 473515.580, 3751419.820, 482.13, 3.49, 6.51

\*\* 473563.264, 3751333.022, 483.05, 3.49, 6.51

\*\* 473621.056, 3751236.115, 483.85, 3.49, 6.51

\*\* 473768.361, 3750983.730, 480.06, 3.49, 6.51

\*\* 473913.818, 3750733.557, 476.06, 3.49, 6.51

\*\* 474031.561, 3750527.911, 476.00, 3.49, 6.51

\*\* 474074.303, 3750411.781, 475.93, 3.49, 6.51

\*\* 474097.690, 3750281.942, 475.00, 3.49, 6.51

\*\* 474101.722, 3750005.328, 477.00, 3.49, 6.51

\*\* 474111.400, 3749760.972, 478.84, 3.49, 6.51

\*\* 474690.435, 3749762.585, 469.00, 3.49, 6.51

\*\* 474877.532, 3749751.294, 468.00, 3.49, 6.51

\*\* 475000.920, 3749736.778, 467.00, 3.49, 6.51

\*\* 475100.114, 3749720.649, 467.00, 3.49, 6.51

\*\* 475196.889, 3749645.649, 466.05, 3.49, 6.51

\*\* 475221.082, 3749560.164, 466.00, 3.49, 6.51

\*\* 475221.082, 3749540.003, 466.00, 3.49, 6.51

\*\* -----

LOCATION L0008249        VOLUME    473444.237 3752033.851 475.20

LOCATION L0008250        VOLUME    473445.703 3752019.927 475.05

LOCATION L0008251        VOLUME    473447.168 3752006.004 475.17

LOCATION L0008252        VOLUME    473447.336 3751992.065 475.26

LOCATION L0008253        VOLUME    473446.212 3751978.111 475.22

LOCATION L0008254        VOLUME    473445.089 3751964.156 475.33

LOCATION L0008255        VOLUME    473443.965 3751950.201 476.16

LOCATION L0008256        VOLUME    473442.841 3751936.246 476.99

LOCATION L0008257        VOLUME    473441.718 3751922.291 476.52

LOCATION L0008258        VOLUME    473439.697 3751908.476 476.06

LOCATION L0008259        VOLUME    473436.528 3751894.839 476.10

LOCATION L0008260        VOLUME    473433.358 3751881.203 476.21

LOCATION L0008261        VOLUME    473430.189 3751867.566 476.31

LOCATION L0008262        VOLUME    473427.020 3751853.930 476.42

LOCATION L0008263        VOLUME    473423.851 3751840.293 476.53

LOCATION L0008264        VOLUME    473420.682 3751826.656 476.63

LOCATION L0008265        VOLUME    473418.370 3751812.869 476.62

LOCATION L0008266        VOLUME    473416.692 3751798.970 476.32

LOCATION L0008267        VOLUME    473415.015 3751785.071 476.04

LOCATION L0008268        VOLUME    473413.337 3751771.172 476.45

LOCATION L0008269        VOLUME    473411.660 3751757.273 476.91

LOCATION L0008270        VOLUME    473412.398 3751743.294 477.35

LOCATION L0008271        VOLUME    473413.163 3751729.315 477.79

LOCATION L0008272        VOLUME    473413.927 3751715.336 478.23

LOCATION L0008273        VOLUME    473414.692 3751701.357 478.67

LOCATION L0008274        VOLUME    473416.908 3751687.536 479.06

LOCATION L0008275	VOLUME	473419.177	3751673.721	479.44
LOCATION L0008276	VOLUME	473421.446	3751659.906	479.83
LOCATION L0008277	VOLUME	473423.715	3751646.091	480.21
LOCATION L0008278	VOLUME	473426.996	3751632.507	480.42
LOCATION L0008279	VOLUME	473430.934	3751619.072	480.29
LOCATION L0008280	VOLUME	473434.872	3751605.638	480.16
LOCATION L0008281	VOLUME	473439.916	3751592.594	480.00
LOCATION L0008282	VOLUME	473445.307	3751579.674	480.00
LOCATION L0008283	VOLUME	473450.698	3751566.753	480.00
LOCATION L0008284	VOLUME	473456.089	3751553.833	480.00
LOCATION L0008285	VOLUME	473461.480	3751540.913	480.05
LOCATION L0008286	VOLUME	473466.871	3751527.992	480.06
LOCATION L0008287	VOLUME	473472.262	3751515.072	480.05
LOCATION L0008288	VOLUME	473477.855	3751502.240	480.48
LOCATION L0008289	VOLUME	473483.682	3751489.510	480.90
LOCATION L0008290	VOLUME	473489.509	3751476.780	481.00
LOCATION L0008291	VOLUME	473495.335	3751464.050	481.00
LOCATION L0008292	VOLUME	473501.162	3751451.320	481.18
LOCATION L0008293	VOLUME	473506.988	3751438.590	481.60
LOCATION L0008294	VOLUME	473512.815	3751425.861	482.01
LOCATION L0008295	VOLUME	473519.122	3751413.372	482.15
LOCATION L0008296	VOLUME	473525.863	3751401.102	482.11
LOCATION L0008297	VOLUME	473532.604	3751388.832	482.26
LOCATION L0008298	VOLUME	473539.345	3751376.561	482.67
LOCATION L0008299	VOLUME	473546.086	3751364.291	483.03
LOCATION L0008300	VOLUME	473552.827	3751352.021	483.11
LOCATION L0008301	VOLUME	473559.567	3751339.750	483.00
LOCATION L0008302	VOLUME	473566.503	3751327.591	483.23
LOCATION L0008303	VOLUME	473573.673	3751315.567	483.37
LOCATION L0008304	VOLUME	473580.844	3751303.543	483.29
LOCATION L0008305	VOLUME	473588.015	3751291.519	483.05
LOCATION L0008306	VOLUME	473595.186	3751279.495	482.98
LOCATION L0008307	VOLUME	473602.357	3751267.471	483.30
LOCATION L0008308	VOLUME	473609.528	3751255.447	483.71
LOCATION L0008309	VOLUME	473616.698	3751243.423	484.00
LOCATION L0008310	VOLUME	473623.825	3751231.372	483.72
LOCATION L0008311	VOLUME	473630.882	3751219.281	483.25
LOCATION L0008312	VOLUME	473637.939	3751207.190	482.97
LOCATION L0008313	VOLUME	473644.996	3751195.098	482.92
LOCATION L0008314	VOLUME	473652.053	3751183.007	482.92
LOCATION L0008315	VOLUME	473659.110	3751170.916	482.68
LOCATION L0008316	VOLUME	473666.167	3751158.825	482.45
LOCATION L0008317	VOLUME	473673.224	3751146.733	482.21
LOCATION L0008318	VOLUME	473680.281	3751134.642	481.98
LOCATION L0008319	VOLUME	473687.338	3751122.551	481.78
LOCATION L0008320	VOLUME	473694.395	3751110.460	481.77
LOCATION L0008321	VOLUME	473701.452	3751098.368	481.96
LOCATION L0008322	VOLUME	473708.509	3751086.277	482.00
LOCATION L0008323	VOLUME	473715.566	3751074.186	481.95
LOCATION L0008324	VOLUME	473722.623	3751062.095	481.93
LOCATION L0008325	VOLUME	473729.680	3751050.003	481.63
LOCATION L0008326	VOLUME	473736.737	3751037.912	481.14
LOCATION L0008327	VOLUME	473743.794	3751025.821	481.00
LOCATION L0008328	VOLUME	473750.851	3751013.730	481.00
LOCATION L0008329	VOLUME	473757.908	3751001.639	480.90
LOCATION L0008330	VOLUME	473764.965	3750989.547	480.52
LOCATION L0008331	VOLUME	473772.012	3750977.450	480.03
LOCATION L0008332	VOLUME	473779.049	3750965.347	480.00
LOCATION L0008333	VOLUME	473786.086	3750953.244	480.00
LOCATION L0008334	VOLUME	473793.123	3750941.141	480.00
LOCATION L0008335	VOLUME	473800.160	3750929.038	479.98
LOCATION L0008336	VOLUME	473807.197	3750916.935	479.75
LOCATION L0008337	VOLUME	473814.234	3750904.832	479.31
LOCATION L0008338	VOLUME	473821.271	3750892.729	479.06
LOCATION L0008339	VOLUME	473828.308	3750880.626	479.00
LOCATION L0008340	VOLUME	473835.345	3750868.524	478.81

LOCATION	L0008341	VOLUME	473842.382	3750856.421	478.58
LOCATION	L0008342	VOLUME	473849.419	3750844.318	478.34
LOCATION	L0008343	VOLUME	473856.456	3750832.215	478.11
LOCATION	L0008344	VOLUME	473863.493	3750820.112	477.87
LOCATION	L0008345	VOLUME	473870.530	3750808.009	477.64
LOCATION	L0008346	VOLUME	473877.567	3750795.906	477.39
LOCATION	L0008347	VOLUME	473884.604	3750783.803	477.10
LOCATION	L0008348	VOLUME	473891.641	3750771.700	476.93
LOCATION	L0008349	VOLUME	473898.678	3750759.597	476.70
LOCATION	L0008350	VOLUME	473905.715	3750747.494	476.46
LOCATION	L0008351	VOLUME	473912.752	3750735.391	476.22
LOCATION	L0008352	VOLUME	473919.720	3750723.249	476.00
LOCATION	L0008353	VOLUME	473926.676	3750711.099	475.80
LOCATION	L0008354	VOLUME	473933.632	3750698.950	475.40
LOCATION	L0008355	VOLUME	473940.589	3750686.800	475.10
LOCATION	L0008356	VOLUME	473947.545	3750674.651	475.07
LOCATION	L0008357	VOLUME	473954.501	3750662.501	475.39
LOCATION	L0008358	VOLUME	473961.457	3750650.352	475.53
LOCATION	L0008359	VOLUME	473968.413	3750638.202	475.55
LOCATION	L0008360	VOLUME	473975.370	3750626.053	475.73
LOCATION	L0008361	VOLUME	473982.326	3750613.903	475.92
LOCATION	L0008362	VOLUME	473989.282	3750601.753	475.84
LOCATION	L0008363	VOLUME	473996.238	3750589.604	475.94
LOCATION	L0008364	VOLUME	474003.194	3750577.454	476.00
LOCATION	L0008365	VOLUME	474010.151	3750565.305	476.00
LOCATION	L0008366	VOLUME	474017.107	3750553.155	476.00
LOCATION	L0008367	VOLUME	474024.063	3750541.006	476.00
LOCATION	L0008368	VOLUME	474031.019	3750528.856	476.00
LOCATION	L0008369	VOLUME	474036.020	3750515.795	476.04
LOCATION	L0008370	VOLUME	474040.856	3750502.656	476.00
LOCATION	L0008371	VOLUME	474045.691	3750489.518	476.00
LOCATION	L0008372	VOLUME	474050.527	3750476.380	476.00
LOCATION	L0008373	VOLUME	474055.363	3750463.241	476.00
LOCATION	L0008374	VOLUME	474060.198	3750450.103	476.00
LOCATION	L0008375	VOLUME	474065.034	3750436.965	476.00
LOCATION	L0008376	VOLUME	474069.869	3750423.826	475.99
LOCATION	L0008377	VOLUME	474074.509	3750410.635	475.84
LOCATION	L0008378	VOLUME	474076.991	3750396.856	475.76
LOCATION	L0008379	VOLUME	474079.473	3750383.078	475.67
LOCATION	L0008380	VOLUME	474081.955	3750369.300	475.59
LOCATION	L0008381	VOLUME	474084.436	3750355.522	475.51
LOCATION	L0008382	VOLUME	474086.918	3750341.743	475.36
LOCATION	L0008383	VOLUME	474089.400	3750327.965	475.13
LOCATION	L0008384	VOLUME	474091.882	3750314.187	475.00
LOCATION	L0008385	VOLUME	474094.364	3750300.409	475.00
LOCATION	L0008386	VOLUME	474096.845	3750286.630	475.00
LOCATION	L0008387	VOLUME	474097.825	3750272.707	475.00
LOCATION	L0008388	VOLUME	474098.029	3750258.708	475.00
LOCATION	L0008389	VOLUME	474098.233	3750244.710	475.00
LOCATION	L0008390	VOLUME	474098.437	3750230.711	475.00
LOCATION	L0008391	VOLUME	474098.641	3750216.713	475.00
LOCATION	L0008392	VOLUME	474098.845	3750202.714	475.00
LOCATION	L0008393	VOLUME	474099.049	3750188.716	475.00
LOCATION	L0008394	VOLUME	474099.253	3750174.717	475.00
LOCATION	L0008395	VOLUME	474099.457	3750160.719	475.20
LOCATION	L0008396	VOLUME	474099.661	3750146.720	475.66
LOCATION	L0008397	VOLUME	474099.865	3750132.722	476.00
LOCATION	L0008398	VOLUME	474100.069	3750118.723	476.00
LOCATION	L0008399	VOLUME	474100.273	3750104.725	476.06
LOCATION	L0008400	VOLUME	474100.477	3750090.726	476.52
LOCATION	L0008401	VOLUME	474100.681	3750076.728	476.96
LOCATION	L0008402	VOLUME	474100.885	3750062.729	476.98
LOCATION	L0008403	VOLUME	474101.090	3750048.731	477.00
LOCATION	L0008404	VOLUME	474101.294	3750034.732	477.00
LOCATION	L0008405	VOLUME	474101.498	3750020.733	477.00
LOCATION	L0008406	VOLUME	474101.702	3750006.735	477.00



LOCATION	L0008407	VOLUME	474102.221	3749992.745	477.00
LOCATION	L0008408	VOLUME	474102.775	3749978.756	477.23
LOCATION	L0008409	VOLUME	474103.329	3749964.767	477.64
LOCATION	L0008410	VOLUME	474103.883	3749950.778	477.69
LOCATION	L0008411	VOLUME	474104.437	3749936.789	477.28
LOCATION	L0008412	VOLUME	474104.991	3749922.800	477.10
LOCATION	L0008413	VOLUME	474105.545	3749908.811	477.48
LOCATION	L0008414	VOLUME	474106.099	3749894.822	477.79
LOCATION	L0008415	VOLUME	474106.653	3749880.833	477.77
LOCATION	L0008416	VOLUME	474107.207	3749866.844	477.75
LOCATION	L0008417	VOLUME	474107.761	3749852.855	477.85
LOCATION	L0008418	VOLUME	474108.315	3749838.866	477.98
LOCATION	L0008419	VOLUME	474108.869	3749824.877	478.27
LOCATION	L0008420	VOLUME	474109.423	3749810.888	478.58
LOCATION	L0008421	VOLUME	474109.977	3749796.899	478.66
LOCATION	L0008422	VOLUME	474110.531	3749782.909	478.64
LOCATION	L0008423	VOLUME	474111.085	3749768.920	478.72
LOCATION	L0008424	VOLUME	474117.445	3749760.989	478.72
LOCATION	L0008425	VOLUME	474131.445	3749761.028	478.49
LOCATION	L0008426	VOLUME	474145.445	3749761.067	478.25
LOCATION	L0008427	VOLUME	474159.445	3749761.106	478.00
LOCATION	L0008428	VOLUME	474173.445	3749761.145	477.54
LOCATION	L0008429	VOLUME	474187.445	3749761.184	477.07
LOCATION	L0008430	VOLUME	474201.444	3749761.223	477.00
LOCATION	L0008431	VOLUME	474215.444	3749761.262	477.00
LOCATION	L0008432	VOLUME	474229.444	3749761.301	476.84
LOCATION	L0008433	VOLUME	474243.444	3749761.340	476.61
LOCATION	L0008434	VOLUME	474257.444	3749761.379	476.38
LOCATION	L0008435	VOLUME	474271.444	3749761.418	476.14
LOCATION	L0008436	VOLUME	474285.444	3749761.457	476.00
LOCATION	L0008437	VOLUME	474299.444	3749761.496	476.00
LOCATION	L0008438	VOLUME	474313.444	3749761.535	475.87
LOCATION	L0008439	VOLUME	474327.444	3749761.574	475.41
LOCATION	L0008440	VOLUME	474341.444	3749761.613	475.00
LOCATION	L0008441	VOLUME	474355.444	3749761.652	475.00
LOCATION	L0008442	VOLUME	474369.444	3749761.691	475.00
LOCATION	L0008443	VOLUME	474383.444	3749761.730	474.54
LOCATION	L0008444	VOLUME	474397.444	3749761.769	474.07
LOCATION	L0008445	VOLUME	474411.444	3749761.808	474.00
LOCATION	L0008446	VOLUME	474425.444	3749761.847	474.00
LOCATION	L0008447	VOLUME	474439.444	3749761.886	473.67
LOCATION	L0008448	VOLUME	474453.444	3749761.925	473.21
LOCATION	L0008449	VOLUME	474467.443	3749761.964	473.00
LOCATION	L0008450	VOLUME	474481.443	3749762.003	473.00
LOCATION	L0008451	VOLUME	474495.443	3749762.042	472.81
LOCATION	L0008452	VOLUME	474509.443	3749762.081	472.34
LOCATION	L0008453	VOLUME	474523.443	3749762.120	471.87
LOCATION	L0008454	VOLUME	474537.443	3749762.159	471.41
LOCATION	L0008455	VOLUME	474551.443	3749762.198	470.94
LOCATION	L0008456	VOLUME	474565.443	3749762.237	470.47
LOCATION	L0008457	VOLUME	474579.443	3749762.276	470.01
LOCATION	L0008458	VOLUME	474593.443	3749762.315	470.00
LOCATION	L0008459	VOLUME	474607.443	3749762.354	470.00
LOCATION	L0008460	VOLUME	474621.443	3749762.393	469.81
LOCATION	L0008461	VOLUME	474635.443	3749762.432	469.59
LOCATION	L0008462	VOLUME	474649.443	3749762.471	469.36
LOCATION	L0008463	VOLUME	474663.443	3749762.510	469.11
LOCATION	L0008464	VOLUME	474677.443	3749762.549	469.00
LOCATION	L0008465	VOLUME	474691.441	3749762.524	469.00
LOCATION	L0008466	VOLUME	474705.415	3749761.681	469.00
LOCATION	L0008467	VOLUME	474719.390	3749760.837	469.00
LOCATION	L0008468	VOLUME	474733.364	3749759.994	469.00
LOCATION	L0008469	VOLUME	474747.339	3749759.151	469.00
LOCATION	L0008470	VOLUME	474761.314	3749758.308	469.00
LOCATION	L0008471	VOLUME	474775.288	3749757.464	469.00
LOCATION	L0008472	VOLUME	474789.263	3749756.621	469.00

LOCATION	VOLUME				
L0008473	474803.237	3749755.778	468.86		
L0008474	474817.212	3749754.934	468.75		
L0008475	474831.187	3749754.091	468.46		
L0008476	474845.161	3749753.248	468.12		
L0008477	474859.136	3749752.405	468.00		
L0008478	474873.110	3749751.561	468.00		
L0008479	474887.037	3749750.176	468.00		
L0008480	474900.941	3749748.540	468.00		
L0008481	474914.845	3749746.905	468.00		
L0008482	474928.749	3749745.269	468.00		
L0008483	474942.653	3749743.633	467.91		
L0008484	474956.557	3749741.997	467.52		
L0008485	474970.461	3749740.362	467.20		
L0008486	474984.365	3749738.726	467.13		
L0008487	474998.270	3749737.090	467.02		
L0008488	475012.104	3749734.960	467.00		
L0008489	475025.923	3749732.713	467.00		
L0008490	475039.741	3749730.466	467.00		
L0008491	475053.560	3749728.219	467.00		
L0008492	475067.378	3749725.972	467.00		
L0008493	475081.197	3749723.725	467.00		
L0008494	475095.015	3749721.478	467.00		
L0008495	475107.097	3749715.237	467.00		
L0008496	475118.163	3749706.661	467.00		
L0008497	475129.229	3749698.085	467.00		
L0008498	475140.294	3749689.509	467.00		
L0008499	475151.360	3749680.933	466.94		
L0008500	475162.426	3749672.357	466.58		
L0008501	475173.492	3749663.781	466.21		
L0008502	475184.558	3749655.205	466.00		
L0008503	475195.623	3749646.629	466.00		
L0008504	475200.265	3749633.718	466.00		
L0008505	475204.078	3749620.247	466.00		
L0008506	475207.890	3749606.776	466.00		
L0008507	475211.703	3749593.305	466.00		
L0008508	475215.515	3749579.834	466.00		
L0008509	475219.328	3749566.364	466.00		
L0008510	475221.082	3749552.607	466.00		

\*\* End of LINE VOLUME Source ID = SLINE27

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE28

\*\* DESCRSRC Cactus 85%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00009992

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 8

\*\* 473443.296, 3752040.949, 475.47, 3.49, 6.51

\*\* 473530.447, 3752049.370, 474.12, 3.49, 6.51

\*\* 473652.544, 3752059.474, 472.98, 3.49, 6.51

\*\* 473767.062, 3752060.316, 473.00, 3.49, 6.51

\*\* 473852.950, 3752070.842, 472.79, 3.49, 6.51

\*\* 473920.735, 3752089.367, 471.99, 3.49, 6.51

\*\* 474178.400, 3752128.943, 470.00, 3.49, 6.51

\*\* 474276.919, 3752145.363, 471.00, 3.49, 6.51

\*\* -----

LOCATION	VOLUME				
L0008511	473450.264	3752041.623	475.32		
L0008512	473464.199	3752042.969	475.10		
L0008513	473478.134	3752044.315	475.00		
L0008514	473492.069	3752045.662	475.00		
L0008515	473506.004	3752047.008	474.86		
L0008516	473519.939	3752048.355	474.51		
L0008517	473533.878	3752049.654	474.20		

LOCATION	VOLUME				
L0008518	473547.831	3752050.809	474.08		
L0008519	473561.783	3752051.963	473.93		
L0008520	473575.735	3752053.118	473.46		
L0008521	473589.688	3752054.273	473.00		
L0008522	473603.640	3752055.427	472.55		
L0008523	473617.592	3752056.582	472.07		
L0008524	473631.544	3752057.737	472.38		
L0008525	473645.497	3752058.891	472.80		
L0008526	473659.473	3752059.525	472.93		
L0008527	473673.472	3752059.628	472.98		
L0008528	473687.472	3752059.731	473.00		
L0008529	473701.471	3752059.834	473.00		
L0008530	473715.471	3752059.937	472.98		
L0008531	473729.471	3752060.040	472.92		
L0008532	473743.470	3752060.143	472.88		
L0008533	473757.470	3752060.246	472.88		
L0008534	473771.437	3752060.853	472.86		
L0008535	473785.333	3752062.556	472.80		
L0008536	473799.229	3752064.259	472.74		
L0008537	473813.125	3752065.961	472.69		
L0008538	473827.021	3752067.664	472.63		
L0008539	473840.917	3752069.367	472.73		
L0008540	473854.761	3752071.337	472.92		
L0008541	473868.265	3752075.028	472.82		
L0008542	473881.770	3752078.718	472.46		
L0008543	473895.275	3752082.409	472.11		
L0008544	473908.780	3752086.100	472.01		
L0008545	473922.323	3752089.611	471.82		
L0008546	473936.160	3752091.736	471.37		
L0008547	473949.998	3752093.862	471.00		
L0008548	473963.836	3752095.987	470.85		
L0008549	473977.674	3752098.112	470.64		
L0008550	473991.511	3752100.238	470.33		
L0008551	474005.349	3752102.363	470.07		
L0008552	474019.187	3752104.489	470.00		
L0008553	474033.024	3752106.614	470.00		
L0008554	474046.862	3752108.740	470.00		
L0008555	474060.700	3752110.865	470.00		
L0008556	474074.538	3752112.990	470.00		
L0008557	474088.375	3752115.116	470.00		
L0008558	474102.213	3752117.241	470.00		
L0008559	474116.051	3752119.367	470.00		
L0008560	474129.889	3752121.492	470.00		
L0008561	474143.726	3752123.617	470.00		
L0008562	474157.564	3752125.743	470.00		
L0008563	474171.402	3752127.868	470.00		
L0008564	474185.226	3752130.081	470.00		
L0008565	474199.035	3752132.382	470.00		
L0008566	474212.845	3752134.684	470.00		
L0008567	474226.654	3752136.985	470.00		
L0008568	474240.464	3752139.287	470.00		
L0008569	474254.273	3752141.589	470.15		
L0008570	474268.083	3752143.890	470.61		

\*\* End of LINE VOLUME Source ID = SLINE28

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE29

\*\* DESCRSRC Cactus 3%

\*\* PREFIX

\*\* Length of Side = 14.00

\*\* Configuration = Adjacent

\*\* Emission Rate = 6.661E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 6

\*\* 474275.656, 3752144.942, 470.99, 3.49, 6.51

\*\* 474636.051, 3752215.252, 472.00, 3.49, 6.51  
\*\* 474668.048, 3752220.305, 472.00, 3.49, 6.51  
\*\* 474751.832, 3752224.936, 472.00, 3.49, 6.51  
\*\* 474953.501, 3752222.831, 472.06, 3.49, 6.51  
\*\* 475858.533, 3752226.376, 472.00, 3.49, 6.51

\*\*

---

LOCATION	L0008571	VOLUME	474282.526	3752146.282	471.09
LOCATION	L0008572	VOLUME	474296.267	3752148.963	471.47
LOCATION	L0008573	VOLUME	474310.008	3752151.644	471.84
LOCATION	L0008574	VOLUME	474323.749	3752154.325	472.09
LOCATION	L0008575	VOLUME	474337.490	3752157.005	472.26
LOCATION	L0008576	VOLUME	474351.231	3752159.686	472.13
LOCATION	L0008577	VOLUME	474364.972	3752162.367	471.95
LOCATION	L0008578	VOLUME	474378.713	3752165.048	471.95
LOCATION	L0008579	VOLUME	474392.454	3752167.728	472.13
LOCATION	L0008580	VOLUME	474406.195	3752170.409	472.21
LOCATION	L0008581	VOLUME	474419.936	3752173.090	472.12
LOCATION	L0008582	VOLUME	474433.677	3752175.771	472.02
LOCATION	L0008583	VOLUME	474447.418	3752178.451	472.00
LOCATION	L0008584	VOLUME	474461.159	3752181.132	472.00
LOCATION	L0008585	VOLUME	474474.900	3752183.813	472.00
LOCATION	L0008586	VOLUME	474488.641	3752186.494	472.00
LOCATION	L0008587	VOLUME	474502.382	3752189.175	472.00
LOCATION	L0008588	VOLUME	474516.122	3752191.855	472.00
LOCATION	L0008589	VOLUME	474529.863	3752194.536	472.00
LOCATION	L0008590	VOLUME	474543.604	3752197.217	472.00
LOCATION	L0008591	VOLUME	474557.345	3752199.898	472.00
LOCATION	L0008592	VOLUME	474571.086	3752202.578	472.00
LOCATION	L0008593	VOLUME	474584.827	3752205.259	472.00
LOCATION	L0008594	VOLUME	474598.568	3752207.940	472.00
LOCATION	L0008595	VOLUME	474612.309	3752210.621	472.00
LOCATION	L0008596	VOLUME	474626.050	3752213.301	472.00
LOCATION	L0008597	VOLUME	474639.815	3752215.847	472.00
LOCATION	L0008598	VOLUME	474653.644	3752218.030	472.00
LOCATION	L0008599	VOLUME	474667.472	3752220.214	472.00
LOCATION	L0008600	VOLUME	474681.445	3752221.045	472.00
LOCATION	L0008601	VOLUME	474695.423	3752221.818	472.00
LOCATION	L0008602	VOLUME	474709.402	3752222.591	472.00
LOCATION	L0008603	VOLUME	474723.381	3752223.363	472.00
LOCATION	L0008604	VOLUME	474737.359	3752224.136	472.00
LOCATION	L0008605	VOLUME	474751.338	3752224.909	472.00
LOCATION	L0008606	VOLUME	474765.336	3752224.795	472.00
LOCATION	L0008607	VOLUME	474779.336	3752224.649	472.00
LOCATION	L0008608	VOLUME	474793.335	3752224.503	472.00
LOCATION	L0008609	VOLUME	474807.334	3752224.357	472.00
LOCATION	L0008610	VOLUME	474821.333	3752224.210	472.00
LOCATION	L0008611	VOLUME	474835.333	3752224.064	472.00
LOCATION	L0008612	VOLUME	474849.332	3752223.918	472.00
LOCATION	L0008613	VOLUME	474863.331	3752223.772	472.45
LOCATION	L0008614	VOLUME	474877.330	3752223.626	472.92
LOCATION	L0008615	VOLUME	474891.330	3752223.480	473.00
LOCATION	L0008616	VOLUME	474905.329	3752223.334	473.00
LOCATION	L0008617	VOLUME	474919.328	3752223.188	472.68
LOCATION	L0008618	VOLUME	474933.327	3752223.041	472.21
LOCATION	L0008619	VOLUME	474947.327	3752222.895	472.00
LOCATION	L0008620	VOLUME	474961.326	3752222.862	472.00
LOCATION	L0008621	VOLUME	474975.326	3752222.916	472.00
LOCATION	L0008622	VOLUME	474989.326	3752222.971	472.00
LOCATION	L0008623	VOLUME	475003.326	3752223.026	472.00
LOCATION	L0008624	VOLUME	475017.326	3752223.081	472.00
LOCATION	L0008625	VOLUME	475031.326	3752223.136	472.00
LOCATION	L0008626	VOLUME	475045.325	3752223.191	472.00
LOCATION	L0008627	VOLUME	475059.325	3752223.245	472.00
LOCATION	L0008628	VOLUME	475073.325	3752223.300	472.00
LOCATION	L0008629	VOLUME	475087.325	3752223.355	472.00
LOCATION	L0008630	VOLUME	475101.325	3752223.410	472.00

LOCATION	VOLUME			
LOCATION L0008631	VOLUME	475115.325	3752223.465	472.00
LOCATION L0008632	VOLUME	475129.325	3752223.520	472.00
LOCATION L0008633	VOLUME	475143.325	3752223.574	472.00
LOCATION L0008634	VOLUME	475157.325	3752223.629	472.00
LOCATION L0008635	VOLUME	475171.324	3752223.684	472.00
LOCATION L0008636	VOLUME	475185.324	3752223.739	472.00
LOCATION L0008637	VOLUME	475199.324	3752223.794	472.00
LOCATION L0008638	VOLUME	475213.324	3752223.849	472.00
LOCATION L0008639	VOLUME	475227.324	3752223.903	472.00
LOCATION L0008640	VOLUME	475241.324	3752223.958	472.00
LOCATION L0008641	VOLUME	475255.324	3752224.013	472.00
LOCATION L0008642	VOLUME	475269.324	3752224.068	472.00
LOCATION L0008643	VOLUME	475283.324	3752224.123	472.00
LOCATION L0008644	VOLUME	475297.324	3752224.178	472.00
LOCATION L0008645	VOLUME	475311.323	3752224.232	472.00
LOCATION L0008646	VOLUME	475325.323	3752224.287	472.00
LOCATION L0008647	VOLUME	475339.323	3752224.342	472.00
LOCATION L0008648	VOLUME	475353.323	3752224.397	472.00
LOCATION L0008649	VOLUME	475367.323	3752224.452	472.00
LOCATION L0008650	VOLUME	475381.323	3752224.507	472.00
LOCATION L0008651	VOLUME	475395.323	3752224.561	472.00
LOCATION L0008652	VOLUME	475409.323	3752224.616	472.00
LOCATION L0008653	VOLUME	475423.323	3752224.671	472.00
LOCATION L0008654	VOLUME	475437.322	3752224.726	472.00
LOCATION L0008655	VOLUME	475451.322	3752224.781	472.00
LOCATION L0008656	VOLUME	475465.322	3752224.836	472.00
LOCATION L0008657	VOLUME	475479.322	3752224.890	472.00
LOCATION L0008658	VOLUME	475493.322	3752224.945	472.00
LOCATION L0008659	VOLUME	475507.322	3752225.000	472.00
LOCATION L0008660	VOLUME	475521.322	3752225.055	472.00
LOCATION L0008661	VOLUME	475535.322	3752225.110	472.00
LOCATION L0008662	VOLUME	475549.322	3752225.165	472.00
LOCATION L0008663	VOLUME	475563.321	3752225.219	472.00
LOCATION L0008664	VOLUME	475577.321	3752225.274	472.00
LOCATION L0008665	VOLUME	475591.321	3752225.329	472.00
LOCATION L0008666	VOLUME	475605.321	3752225.384	472.00
LOCATION L0008667	VOLUME	475619.321	3752225.439	472.00
LOCATION L0008668	VOLUME	475633.321	3752225.494	472.00
LOCATION L0008669	VOLUME	475647.321	3752225.548	472.00
LOCATION L0008670	VOLUME	475661.321	3752225.603	472.00
LOCATION L0008671	VOLUME	475675.321	3752225.658	472.00
LOCATION L0008672	VOLUME	475689.321	3752225.713	472.00
LOCATION L0008673	VOLUME	475703.320	3752225.768	472.00
LOCATION L0008674	VOLUME	475717.320	3752225.823	472.00
LOCATION L0008675	VOLUME	475731.320	3752225.877	472.00
LOCATION L0008676	VOLUME	475745.320	3752225.932	472.00
LOCATION L0008677	VOLUME	475759.320	3752225.987	472.00
LOCATION L0008678	VOLUME	475773.320	3752226.042	472.00
LOCATION L0008679	VOLUME	475787.320	3752226.097	472.00
LOCATION L0008680	VOLUME	475801.320	3752226.152	472.00
LOCATION L0008681	VOLUME	475815.320	3752226.206	472.00
LOCATION L0008682	VOLUME	475829.319	3752226.261	472.00
LOCATION L0008683	VOLUME	475843.319	3752226.316	472.00
LOCATION L0008684	VOLUME	475857.319	3752226.371	472.00

\*\* End of LINE VOLUME Source ID = SLINE29

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE30

\*\* DESCRSRC Bldg A Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0001349

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 7

\*\* 471210.633, 3752241.772, 516.84, 3.49, 4.00  
\*\* 471210.633, 3752203.777, 517.86, 3.49, 4.00  
\*\* 471733.391, 3752203.122, 523.94, 3.49, 4.00  
\*\* 471731.426, 3751952.879, 531.30, 3.49, 4.00  
\*\* 471270.901, 3751948.293, 523.22, 3.49, 4.00  
\*\* 471241.422, 3751945.673, 523.93, 3.49, 4.00  
\*\* 471083.546, 3751951.569, 517.03, 3.49, 4.00

\*\*

-----  
LOCATION L0008685 VOLUME 471210.633 3752237.477 516.65  
LOCATION L0008686 VOLUME 471210.633 3752228.887 516.96  
LOCATION L0008687 VOLUME 471210.633 3752220.297 517.25  
LOCATION L0008688 VOLUME 471210.633 3752211.707 517.53  
LOCATION L0008689 VOLUME 471211.293 3752203.776 517.70  
LOCATION L0008690 VOLUME 471219.883 3752203.765 518.00  
LOCATION L0008691 VOLUME 471228.473 3752203.754 518.03  
LOCATION L0008692 VOLUME 471237.063 3752203.744 518.06  
LOCATION L0008693 VOLUME 471245.653 3752203.733 518.08  
LOCATION L0008694 VOLUME 471254.243 3752203.722 518.10  
LOCATION L0008695 VOLUME 471262.833 3752203.711 518.10  
LOCATION L0008696 VOLUME 471271.423 3752203.701 518.10  
LOCATION L0008697 VOLUME 471280.013 3752203.690 518.12  
LOCATION L0008698 VOLUME 471288.603 3752203.679 518.43  
LOCATION L0008699 VOLUME 471297.193 3752203.668 518.75  
LOCATION L0008700 VOLUME 471305.783 3752203.657 519.06  
LOCATION L0008701 VOLUME 471314.373 3752203.647 519.38  
LOCATION L0008702 VOLUME 471322.963 3752203.636 519.69  
LOCATION L0008703 VOLUME 471331.553 3752203.625 520.01  
LOCATION L0008704 VOLUME 471340.143 3752203.614 520.34  
LOCATION L0008705 VOLUME 471348.733 3752203.604 520.89  
LOCATION L0008706 VOLUME 471357.322 3752203.593 521.43  
LOCATION L0008707 VOLUME 471365.912 3752203.582 521.97  
LOCATION L0008708 VOLUME 471374.502 3752203.571 522.37  
LOCATION L0008709 VOLUME 471383.092 3752203.561 522.66  
LOCATION L0008710 VOLUME 471391.682 3752203.550 522.94  
LOCATION L0008711 VOLUME 471400.272 3752203.539 523.25  
LOCATION L0008712 VOLUME 471408.862 3752203.528 523.83  
LOCATION L0008713 VOLUME 471417.452 3752203.518 524.40  
LOCATION L0008714 VOLUME 471426.042 3752203.507 524.97  
LOCATION L0008715 VOLUME 471434.632 3752203.496 525.40  
LOCATION L0008716 VOLUME 471443.222 3752203.485 525.71  
LOCATION L0008717 VOLUME 471451.812 3752203.474 526.03  
LOCATION L0008718 VOLUME 471460.402 3752203.464 526.30  
LOCATION L0008719 VOLUME 471468.992 3752203.453 526.07  
LOCATION L0008720 VOLUME 471477.582 3752203.442 525.85  
LOCATION L0008721 VOLUME 471486.172 3752203.431 525.62  
LOCATION L0008722 VOLUME 471494.762 3752203.421 525.69  
LOCATION L0008723 VOLUME 471503.352 3752203.410 525.95  
LOCATION L0008724 VOLUME 471511.942 3752203.399 526.21  
LOCATION L0008725 VOLUME 471520.532 3752203.388 526.43  
LOCATION L0008726 VOLUME 471529.122 3752203.378 526.37  
LOCATION L0008727 VOLUME 471537.712 3752203.367 526.30  
LOCATION L0008728 VOLUME 471546.302 3752203.356 526.24  
LOCATION L0008729 VOLUME 471554.892 3752203.345 525.86  
LOCATION L0008730 VOLUME 471563.482 3752203.335 525.29  
LOCATION L0008731 VOLUME 471572.072 3752203.324 524.72  
LOCATION L0008732 VOLUME 471580.662 3752203.313 524.26  
LOCATION L0008733 VOLUME 471589.252 3752203.302 524.55  
LOCATION L0008734 VOLUME 471597.842 3752203.291 524.83  
LOCATION L0008735 VOLUME 471606.432 3752203.281 525.12  
LOCATION L0008736 VOLUME 471615.022 3752203.270 525.39  
LOCATION L0008737 VOLUME 471623.612 3752203.259 525.64  
LOCATION L0008738 VOLUME 471632.202 3752203.248 525.90  
LOCATION L0008739 VOLUME 471640.792 3752203.238 526.11  
LOCATION L0008740 VOLUME 471649.382 3752203.227 526.11  
LOCATION L0008741 VOLUME 471657.972 3752203.216 526.11  
LOCATION L0008742 VOLUME 471666.562 3752203.205 526.11

LOCATION	L0008743	VOLUME	471675.152	3752203.195	526.09
LOCATION	L0008744	VOLUME	471683.742	3752203.184	526.06
LOCATION	L0008745	VOLUME	471692.332	3752203.173	526.03
LOCATION	L0008746	VOLUME	471700.922	3752203.162	525.91
LOCATION	L0008747	VOLUME	471709.512	3752203.152	525.34
LOCATION	L0008748	VOLUME	471718.102	3752203.141	524.76
LOCATION	L0008749	VOLUME	471726.692	3752203.130	524.19
LOCATION	L0008750	VOLUME	471733.376	3752201.231	523.60
LOCATION	L0008751	VOLUME	471733.309	3752192.641	523.57
LOCATION	L0008752	VOLUME	471733.242	3752184.051	523.54
LOCATION	L0008753	VOLUME	471733.174	3752175.462	523.56
LOCATION	L0008754	VOLUME	471733.107	3752166.872	523.85
LOCATION	L0008755	VOLUME	471733.039	3752158.282	524.15
LOCATION	L0008756	VOLUME	471732.972	3752149.692	524.44
LOCATION	L0008757	VOLUME	471732.904	3752141.103	524.74
LOCATION	L0008758	VOLUME	471732.837	3752132.513	525.03
LOCATION	L0008759	VOLUME	471732.769	3752123.923	525.33
LOCATION	L0008760	VOLUME	471732.702	3752115.333	525.63
LOCATION	L0008761	VOLUME	471732.634	3752106.744	525.95
LOCATION	L0008762	VOLUME	471732.567	3752098.154	526.28
LOCATION	L0008763	VOLUME	471732.499	3752089.564	526.60
LOCATION	L0008764	VOLUME	471732.432	3752080.975	526.90
LOCATION	L0008765	VOLUME	471732.365	3752072.385	527.20
LOCATION	L0008766	VOLUME	471732.297	3752063.795	527.49
LOCATION	L0008767	VOLUME	471732.230	3752055.205	527.78
LOCATION	L0008768	VOLUME	471732.162	3752046.616	528.07
LOCATION	L0008769	VOLUME	471732.095	3752038.026	528.37
LOCATION	L0008770	VOLUME	471732.027	3752029.436	528.66
LOCATION	L0008771	VOLUME	471731.960	3752020.846	528.98
LOCATION	L0008772	VOLUME	471731.892	3752012.257	529.32
LOCATION	L0008773	VOLUME	471731.825	3752003.667	529.66
LOCATION	L0008774	VOLUME	471731.757	3751995.077	529.98
LOCATION	L0008775	VOLUME	471731.690	3751986.487	530.27
LOCATION	L0008776	VOLUME	471731.623	3751977.898	530.56
LOCATION	L0008777	VOLUME	471731.555	3751969.308	530.84
LOCATION	L0008778	VOLUME	471731.488	3751960.718	531.13
LOCATION	L0008779	VOLUME	471730.676	3751952.871	531.42
LOCATION	L0008780	VOLUME	471722.086	3751952.786	532.06
LOCATION	L0008781	VOLUME	471713.497	3751952.700	532.75
LOCATION	L0008782	VOLUME	471704.907	3751952.615	533.44
LOCATION	L0008783	VOLUME	471696.318	3751952.529	533.94
LOCATION	L0008784	VOLUME	471687.728	3751952.444	534.10
LOCATION	L0008785	VOLUME	471679.138	3751952.358	534.26
LOCATION	L0008786	VOLUME	471670.549	3751952.273	534.42
LOCATION	L0008787	VOLUME	471661.959	3751952.187	534.71
LOCATION	L0008788	VOLUME	471653.370	3751952.102	535.01
LOCATION	L0008789	VOLUME	471644.780	3751952.016	535.31
LOCATION	L0008790	VOLUME	471636.190	3751951.930	535.55
LOCATION	L0008791	VOLUME	471627.601	3751951.845	535.70
LOCATION	L0008792	VOLUME	471619.011	3751951.759	535.84
LOCATION	L0008793	VOLUME	471610.422	3751951.674	535.99
LOCATION	L0008794	VOLUME	471601.832	3751951.588	535.87
LOCATION	L0008795	VOLUME	471593.243	3751951.503	535.73
LOCATION	L0008796	VOLUME	471584.653	3751951.417	535.58
LOCATION	L0008797	VOLUME	471576.063	3751951.332	535.32
LOCATION	L0008798	VOLUME	471567.474	3751951.246	534.89
LOCATION	L0008799	VOLUME	471558.884	3751951.161	534.46
LOCATION	L0008800	VOLUME	471550.295	3751951.075	534.04
LOCATION	L0008801	VOLUME	471541.705	3751950.990	533.61
LOCATION	L0008802	VOLUME	471533.116	3751950.904	533.19
LOCATION	L0008803	VOLUME	471524.526	3751950.819	532.77
LOCATION	L0008804	VOLUME	471515.936	3751950.733	532.35
LOCATION	L0008805	VOLUME	471507.347	3751950.648	531.91
LOCATION	L0008806	VOLUME	471498.757	3751950.562	531.47
LOCATION	L0008807	VOLUME	471490.168	3751950.476	531.03
LOCATION	L0008808	VOLUME	471481.578	3751950.391	530.73

LOCATION	VOLUME				
LOCATION L0008809	VOLUME	471472.989	3751950.305	530.45	
LOCATION L0008810	VOLUME	471464.399	3751950.220	530.16	
LOCATION L0008811	VOLUME	471455.809	3751950.134	529.75	
LOCATION L0008812	VOLUME	471447.220	3751950.049	529.18	
LOCATION L0008813	VOLUME	471438.630	3751949.963	528.61	
LOCATION L0008814	VOLUME	471430.041	3751949.878	528.03	
LOCATION L0008815	VOLUME	471421.451	3751949.792	527.58	
LOCATION L0008816	VOLUME	471412.862	3751949.707	527.13	
LOCATION L0008817	VOLUME	471404.272	3751949.621	526.68	
LOCATION L0008818	VOLUME	471395.682	3751949.536	526.12	
LOCATION L0008819	VOLUME	471387.093	3751949.450	525.42	
LOCATION L0008820	VOLUME	471378.503	3751949.365	524.72	
LOCATION L0008821	VOLUME	471369.914	3751949.279	524.03	
LOCATION L0008822	VOLUME	471361.324	3751949.194	523.73	
LOCATION L0008823	VOLUME	471352.735	3751949.108	523.44	
LOCATION L0008824	VOLUME	471344.145	3751949.022	523.15	
LOCATION L0008825	VOLUME	471335.555	3751948.937	522.87	
LOCATION L0008826	VOLUME	471326.966	3751948.851	522.58	
LOCATION L0008827	VOLUME	471318.376	3751948.766	522.29	
LOCATION L0008828	VOLUME	471309.787	3751948.680	522.01	
LOCATION L0008829	VOLUME	471301.197	3751948.595	522.06	
LOCATION L0008830	VOLUME	471292.608	3751948.509	522.12	
LOCATION L0008831	VOLUME	471284.018	3751948.424	522.18	
LOCATION L0008832	VOLUME	471275.428	3751948.338	522.41	
LOCATION L0008833	VOLUME	471266.855	3751947.934	522.83	
LOCATION L0008834	VOLUME	471258.298	3751947.173	523.26	
LOCATION L0008835	VOLUME	471249.742	3751946.412	523.67	
LOCATION L0008836	VOLUME	471241.185	3751945.682	523.53	
LOCATION L0008837	VOLUME	471232.601	3751946.002	523.34	
LOCATION L0008838	VOLUME	471224.017	3751946.323	523.13	
LOCATION L0008839	VOLUME	471215.433	3751946.643	522.86	
LOCATION L0008840	VOLUME	471206.849	3751946.964	522.55	
LOCATION L0008841	VOLUME	471198.265	3751947.284	522.23	
LOCATION L0008842	VOLUME	471189.681	3751947.605	521.91	
LOCATION L0008843	VOLUME	471181.097	3751947.926	521.31	
LOCATION L0008844	VOLUME	471172.513	3751948.246	520.71	
LOCATION L0008845	VOLUME	471163.929	3751948.567	520.10	
LOCATION L0008846	VOLUME	471155.345	3751948.887	519.69	
LOCATION L0008847	VOLUME	471146.761	3751949.208	519.50	
LOCATION L0008848	VOLUME	471138.177	3751949.528	519.31	
LOCATION L0008849	VOLUME	471129.593	3751949.849	519.12	
LOCATION L0008850	VOLUME	471121.009	3751950.170	518.94	
LOCATION L0008851	VOLUME	471112.425	3751950.490	518.77	
LOCATION L0008852	VOLUME	471103.841	3751950.811	518.60	
LOCATION L0008853	VOLUME	471095.257	3751951.131	518.30	
LOCATION L0008854	VOLUME	471086.673	3751951.452	517.86	

\*\* End of LINE VOLUME Source ID = SLINE30

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE31

\*\* DESCRSRC Bldg B Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.0001935

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 8

\*\* 471151.020, 3751871.648, 523.19, 3.49, 4.00

\*\* 471151.020, 3751844.790, 520.55, 3.49, 4.00

\*\* 471748.458, 3751841.514, 536.62, 3.49, 4.00

\*\* 471750.424, 3751576.204, 534.72, 3.49, 4.00

\*\* 471187.050, 3751574.239, 526.99, 3.49, 4.00

\*\* 471157.571, 3751570.964, 525.98, 3.49, 4.00

\*\* 471153.640, 3751562.447, 525.73, 3.49, 4.00

\*\* 471153.640, 3751534.279, 525.00, 3.49, 4.00



\*\*

LOCATION	L0008855	VOLUME	471151.020	3751867.353	522.11
LOCATION	L0008856	VOLUME	471151.020	3751858.763	521.41
LOCATION	L0008857	VOLUME	471151.020	3751850.173	520.72
LOCATION	L0008858	VOLUME	471154.226	3751844.772	520.47
LOCATION	L0008859	VOLUME	471162.816	3751844.725	520.81
LOCATION	L0008860	VOLUME	471171.406	3751844.678	520.80
LOCATION	L0008861	VOLUME	471179.996	3751844.631	520.80
LOCATION	L0008862	VOLUME	471188.586	3751844.584	520.79
LOCATION	L0008863	VOLUME	471197.176	3751844.536	520.55
LOCATION	L0008864	VOLUME	471205.765	3751844.489	520.28
LOCATION	L0008865	VOLUME	471214.355	3751844.442	520.01
LOCATION	L0008866	VOLUME	471222.945	3751844.395	519.67
LOCATION	L0008867	VOLUME	471231.535	3751844.348	519.20
LOCATION	L0008868	VOLUME	471240.125	3751844.301	518.74
LOCATION	L0008869	VOLUME	471248.715	3751844.254	518.28
LOCATION	L0008870	VOLUME	471257.305	3751844.207	519.52
LOCATION	L0008871	VOLUME	471265.895	3751844.160	520.93
LOCATION	L0008872	VOLUME	471274.484	3751844.113	522.34
LOCATION	L0008873	VOLUME	471283.074	3751844.066	523.27
LOCATION	L0008874	VOLUME	471291.664	3751844.018	523.51
LOCATION	L0008875	VOLUME	471300.254	3751843.971	523.75
LOCATION	L0008876	VOLUME	471308.844	3751843.924	523.98
LOCATION	L0008877	VOLUME	471317.434	3751843.877	523.76
LOCATION	L0008878	VOLUME	471326.024	3751843.830	523.50
LOCATION	L0008879	VOLUME	471334.613	3751843.783	523.24
LOCATION	L0008880	VOLUME	471343.203	3751843.736	523.21
LOCATION	L0008881	VOLUME	471351.793	3751843.689	523.47
LOCATION	L0008882	VOLUME	471360.383	3751843.642	523.73
LOCATION	L0008883	VOLUME	471368.973	3751843.595	523.98
LOCATION	L0008884	VOLUME	471377.563	3751843.548	524.24
LOCATION	L0008885	VOLUME	471386.153	3751843.500	524.50
LOCATION	L0008886	VOLUME	471394.743	3751843.453	524.75
LOCATION	L0008887	VOLUME	471403.332	3751843.406	525.03
LOCATION	L0008888	VOLUME	471411.922	3751843.359	525.35
LOCATION	L0008889	VOLUME	471420.512	3751843.312	525.67
LOCATION	L0008890	VOLUME	471429.102	3751843.265	525.98
LOCATION	L0008891	VOLUME	471437.692	3751843.218	526.54
LOCATION	L0008892	VOLUME	471446.282	3751843.171	527.12
LOCATION	L0008893	VOLUME	471454.872	3751843.124	527.69
LOCATION	L0008894	VOLUME	471463.462	3751843.077	528.24
LOCATION	L0008895	VOLUME	471472.051	3751843.030	528.78
LOCATION	L0008896	VOLUME	471480.641	3751842.982	529.32
LOCATION	L0008897	VOLUME	471489.231	3751842.935	529.86
LOCATION	L0008898	VOLUME	471497.821	3751842.888	530.18
LOCATION	L0008899	VOLUME	471506.411	3751842.841	530.51
LOCATION	L0008900	VOLUME	471515.001	3751842.794	530.83
LOCATION	L0008901	VOLUME	471523.591	3751842.747	531.39
LOCATION	L0008902	VOLUME	471532.181	3751842.700	532.21
LOCATION	L0008903	VOLUME	471540.770	3751842.653	533.03
LOCATION	L0008904	VOLUME	471549.360	3751842.606	533.85
LOCATION	L0008905	VOLUME	471557.950	3751842.559	534.39
LOCATION	L0008906	VOLUME	471566.540	3751842.511	534.92
LOCATION	L0008907	VOLUME	471575.130	3751842.464	535.45
LOCATION	L0008908	VOLUME	471583.720	3751842.417	535.74
LOCATION	L0008909	VOLUME	471592.310	3751842.370	535.78
LOCATION	L0008910	VOLUME	471600.899	3751842.323	535.81
LOCATION	L0008911	VOLUME	471609.489	3751842.276	535.85
LOCATION	L0008912	VOLUME	471618.079	3751842.229	535.89
LOCATION	L0008913	VOLUME	471626.669	3751842.182	535.94
LOCATION	L0008914	VOLUME	471635.259	3751842.135	535.98
LOCATION	L0008915	VOLUME	471643.849	3751842.088	536.00
LOCATION	L0008916	VOLUME	471652.439	3751842.041	536.00
LOCATION	L0008917	VOLUME	471661.029	3751841.993	536.00
LOCATION	L0008918	VOLUME	471669.618	3751841.946	536.00
LOCATION	L0008919	VOLUME	471678.208	3751841.899	536.00

LOCATION	L0008920	VOLUME	471686.798	3751841.852	536.00
LOCATION	L0008921	VOLUME	471695.388	3751841.805	536.00
LOCATION	L0008922	VOLUME	471703.978	3751841.758	536.00
LOCATION	L0008923	VOLUME	471712.568	3751841.711	536.00
LOCATION	L0008924	VOLUME	471721.158	3751841.664	536.00
LOCATION	L0008925	VOLUME	471729.748	3751841.617	536.01
LOCATION	L0008926	VOLUME	471738.337	3751841.570	536.29
LOCATION	L0008927	VOLUME	471746.927	3751841.523	536.58
LOCATION	L0008928	VOLUME	471748.511	3751834.455	536.63
LOCATION	L0008929	VOLUME	471748.574	3751825.866	536.63
LOCATION	L0008930	VOLUME	471748.638	3751817.276	536.64
LOCATION	L0008931	VOLUME	471748.701	3751808.686	536.64
LOCATION	L0008932	VOLUME	471748.765	3751800.096	536.64
LOCATION	L0008933	VOLUME	471748.829	3751791.507	536.64
LOCATION	L0008934	VOLUME	471748.892	3751782.917	536.56
LOCATION	L0008935	VOLUME	471748.956	3751774.327	536.38
LOCATION	L0008936	VOLUME	471749.020	3751765.737	536.20
LOCATION	L0008937	VOLUME	471749.083	3751757.147	536.01
LOCATION	L0008938	VOLUME	471749.147	3751748.558	535.91
LOCATION	L0008939	VOLUME	471749.210	3751739.968	535.81
LOCATION	L0008940	VOLUME	471749.274	3751731.378	535.71
LOCATION	L0008941	VOLUME	471749.338	3751722.788	535.66
LOCATION	L0008942	VOLUME	471749.401	3751714.199	535.66
LOCATION	L0008943	VOLUME	471749.465	3751705.609	535.66
LOCATION	L0008944	VOLUME	471749.529	3751697.019	535.67
LOCATION	L0008945	VOLUME	471749.592	3751688.429	535.67
LOCATION	L0008946	VOLUME	471749.656	3751679.840	535.67
LOCATION	L0008947	VOLUME	471749.720	3751671.250	535.67
LOCATION	L0008948	VOLUME	471749.783	3751662.660	535.54
LOCATION	L0008949	VOLUME	471749.847	3751654.070	535.26
LOCATION	L0008950	VOLUME	471749.910	3751645.481	534.97
LOCATION	L0008951	VOLUME	471749.974	3751636.891	534.69
LOCATION	L0008952	VOLUME	471750.038	3751628.301	534.68
LOCATION	L0008953	VOLUME	471750.101	3751619.711	534.68
LOCATION	L0008954	VOLUME	471750.165	3751611.121	534.69
LOCATION	L0008955	VOLUME	471750.229	3751602.532	534.65
LOCATION	L0008956	VOLUME	471750.292	3751593.942	534.56
LOCATION	L0008957	VOLUME	471750.356	3751585.352	534.48
LOCATION	L0008958	VOLUME	471750.419	3751576.762	534.39
LOCATION	L0008959	VOLUME	471742.392	3751576.176	533.84
LOCATION	L0008960	VOLUME	471733.802	3751576.146	533.27
LOCATION	L0008961	VOLUME	471725.212	3751576.116	532.69
LOCATION	L0008962	VOLUME	471716.622	3751576.086	532.13
LOCATION	L0008963	VOLUME	471708.032	3751576.056	531.56
LOCATION	L0008964	VOLUME	471699.442	3751576.026	530.99
LOCATION	L0008965	VOLUME	471690.852	3751575.996	530.42
LOCATION	L0008966	VOLUME	471682.262	3751575.966	529.85
LOCATION	L0008967	VOLUME	471673.672	3751575.937	529.27
LOCATION	L0008968	VOLUME	471665.082	3751575.907	529.00
LOCATION	L0008969	VOLUME	471656.492	3751575.877	529.00
LOCATION	L0008970	VOLUME	471647.902	3751575.847	529.00
LOCATION	L0008971	VOLUME	471639.312	3751575.817	529.00
LOCATION	L0008972	VOLUME	471630.722	3751575.787	529.01
LOCATION	L0008973	VOLUME	471622.132	3751575.757	529.02
LOCATION	L0008974	VOLUME	471613.543	3751575.727	529.03
LOCATION	L0008975	VOLUME	471604.953	3751575.697	529.18
LOCATION	L0008976	VOLUME	471596.363	3751575.667	529.46
LOCATION	L0008977	VOLUME	471587.773	3751575.637	529.74
LOCATION	L0008978	VOLUME	471579.183	3751575.607	530.00
LOCATION	L0008979	VOLUME	471570.593	3751575.577	530.00
LOCATION	L0008980	VOLUME	471562.003	3751575.547	530.00
LOCATION	L0008981	VOLUME	471553.413	3751575.517	530.00
LOCATION	L0008982	VOLUME	471544.823	3751575.487	530.16
LOCATION	L0008983	VOLUME	471536.233	3751575.457	530.46
LOCATION	L0008984	VOLUME	471527.643	3751575.427	530.76
LOCATION	L0008985	VOLUME	471519.053	3751575.397	531.04

LOCATION	VOLUME				
LOCATION L0008986	VOLUME	471510.463	3751575.367	531.04	
LOCATION L0008987	VOLUME	471501.873	3751575.337	531.04	
LOCATION L0008988	VOLUME	471493.283	3751575.307	531.04	
LOCATION L0008989	VOLUME	471484.693	3751575.277	531.36	
LOCATION L0008990	VOLUME	471476.103	3751575.247	531.92	
LOCATION L0008991	VOLUME	471467.513	3751575.217	532.48	
LOCATION L0008992	VOLUME	471458.923	3751575.187	533.02	
LOCATION L0008993	VOLUME	471450.334	3751575.157	533.31	
LOCATION L0008994	VOLUME	471441.744	3751575.127	533.59	
LOCATION L0008995	VOLUME	471433.154	3751575.097	533.88	
LOCATION L0008996	VOLUME	471424.564	3751575.068	534.32	
LOCATION L0008997	VOLUME	471415.974	3751575.038	534.88	
LOCATION L0008998	VOLUME	471407.384	3751575.008	535.44	
LOCATION L0008999	VOLUME	471398.794	3751574.978	535.97	
LOCATION L0009000	VOLUME	471390.204	3751574.948	536.24	
LOCATION L0009001	VOLUME	471381.614	3751574.918	536.51	
LOCATION L0009002	VOLUME	471373.024	3751574.888	536.77	
LOCATION L0009003	VOLUME	471364.434	3751574.858	536.70	
LOCATION L0009004	VOLUME	471355.844	3751574.828	536.39	
LOCATION L0009005	VOLUME	471347.254	3751574.798	536.09	
LOCATION L0009006	VOLUME	471338.664	3751574.768	535.67	
LOCATION L0009007	VOLUME	471330.074	3751574.738	534.33	
LOCATION L0009008	VOLUME	471321.484	3751574.708	532.99	
LOCATION L0009009	VOLUME	471312.894	3751574.678	531.65	
LOCATION L0009010	VOLUME	471304.304	3751574.648	530.95	
LOCATION L0009011	VOLUME	471295.714	3751574.618	530.64	
LOCATION L0009012	VOLUME	471287.125	3751574.588	530.34	
LOCATION L0009013	VOLUME	471278.535	3751574.558	530.04	
LOCATION L0009014	VOLUME	471269.945	3751574.528	529.75	
LOCATION L0009015	VOLUME	471261.355	3751574.498	529.47	
LOCATION L0009016	VOLUME	471252.765	3751574.468	529.18	
LOCATION L0009017	VOLUME	471244.175	3751574.438	528.73	
LOCATION L0009018	VOLUME	471235.585	3751574.408	528.18	
LOCATION L0009019	VOLUME	471226.995	3751574.378	527.63	
LOCATION L0009020	VOLUME	471218.405	3751574.348	527.15	
LOCATION L0009021	VOLUME	471209.815	3751574.318	527.11	
LOCATION L0009022	VOLUME	471201.225	3751574.288	527.06	
LOCATION L0009023	VOLUME	471192.635	3751574.258	527.02	
LOCATION L0009024	VOLUME	471184.064	3751573.907	526.80	
LOCATION L0009025	VOLUME	471175.526	3751572.959	526.48	
LOCATION L0009026	VOLUME	471166.989	3751572.010	526.13	
LOCATION L0009027	VOLUME	471158.451	3751571.061	525.81	
LOCATION L0009028	VOLUME	471154.342	3751563.969	525.50	
LOCATION L0009029	VOLUME	471153.640	3751555.533	525.16	
LOCATION L0009030	VOLUME	471153.640	3751546.943	524.81	
LOCATION L0009031	VOLUME	471153.640	3751538.353	524.80	

\*\* End of LINE VOLUME Source ID = SLINE31

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE32

\*\* DESCRSRC Bldg C Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 0.00004888

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 5

\*\* 472058.314, 3751895.231, 527.34, 3.49, 4.00

\*\* 472068.795, 3751928.641, 524.74, 3.49, 4.00

\*\* 472062.900, 3752218.189, 520.93, 3.49, 4.00

\*\* 471823.138, 3752219.499, 518.28, 3.49, 4.00

\*\* 471827.069, 3751910.298, 536.03, 3.49, 4.00

\*\*

LOCATION L0009032	VOLUME	472059.600	3751899.329	526.97	
LOCATION L0009033	VOLUME	472062.171	3751907.525	526.05	

LOCATION	L0009034	VOLUME	472064.742	3751915.721	525.71
LOCATION	L0009035	VOLUME	472067.314	3751923.918	525.24
LOCATION	L0009036	VOLUME	472068.721	3751932.280	524.67
LOCATION	L0009037	VOLUME	472068.546	3751940.868	523.88
LOCATION	L0009038	VOLUME	472068.372	3751949.456	522.83
LOCATION	L0009039	VOLUME	472068.197	3751958.045	521.78
LOCATION	L0009040	VOLUME	472068.022	3751966.633	520.72
LOCATION	L0009041	VOLUME	472067.847	3751975.221	520.98
LOCATION	L0009042	VOLUME	472067.672	3751983.809	521.26
LOCATION	L0009043	VOLUME	472067.497	3751992.397	521.55
LOCATION	L0009044	VOLUME	472067.322	3752000.986	521.89
LOCATION	L0009045	VOLUME	472067.147	3752009.574	522.28
LOCATION	L0009046	VOLUME	472066.973	3752018.162	522.66
LOCATION	L0009047	VOLUME	472066.798	3752026.750	523.04
LOCATION	L0009048	VOLUME	472066.623	3752035.338	522.92
LOCATION	L0009049	VOLUME	472066.448	3752043.927	522.82
LOCATION	L0009050	VOLUME	472066.273	3752052.515	522.72
LOCATION	L0009051	VOLUME	472066.098	3752061.103	522.85
LOCATION	L0009052	VOLUME	472065.923	3752069.691	523.17
LOCATION	L0009053	VOLUME	472065.748	3752078.280	523.49
LOCATION	L0009054	VOLUME	472065.574	3752086.868	523.80
LOCATION	L0009055	VOLUME	472065.399	3752095.456	523.89
LOCATION	L0009056	VOLUME	472065.224	3752104.044	523.98
LOCATION	L0009057	VOLUME	472065.049	3752112.632	524.06
LOCATION	L0009058	VOLUME	472064.874	3752121.221	523.96
LOCATION	L0009059	VOLUME	472064.699	3752129.809	523.71
LOCATION	L0009060	VOLUME	472064.524	3752138.397	523.45
LOCATION	L0009061	VOLUME	472064.349	3752146.985	523.19
LOCATION	L0009062	VOLUME	472064.175	3752155.574	522.73
LOCATION	L0009063	VOLUME	472064.000	3752164.162	522.27
LOCATION	L0009064	VOLUME	472063.825	3752172.750	521.80
LOCATION	L0009065	VOLUME	472063.650	3752181.338	521.48
LOCATION	L0009066	VOLUME	472063.475	3752189.926	521.28
LOCATION	L0009067	VOLUME	472063.300	3752198.515	521.08
LOCATION	L0009068	VOLUME	472063.125	3752207.103	520.87
LOCATION	L0009069	VOLUME	472062.950	3752215.691	520.59
LOCATION	L0009070	VOLUME	472056.808	3752218.222	520.61
LOCATION	L0009071	VOLUME	472048.218	3752218.269	520.61
LOCATION	L0009072	VOLUME	472039.628	3752218.316	520.61
LOCATION	L0009073	VOLUME	472031.038	3752218.363	520.61
LOCATION	L0009074	VOLUME	472022.448	3752218.410	519.99
LOCATION	L0009075	VOLUME	472013.858	3752218.457	519.24
LOCATION	L0009076	VOLUME	472005.268	3752218.504	518.49
LOCATION	L0009077	VOLUME	471996.679	3752218.550	517.96
LOCATION	L0009078	VOLUME	471988.089	3752218.597	517.85
LOCATION	L0009079	VOLUME	471979.499	3752218.644	517.73
LOCATION	L0009080	VOLUME	471970.909	3752218.691	517.62
LOCATION	L0009081	VOLUME	471962.319	3752218.738	517.84
LOCATION	L0009082	VOLUME	471953.729	3752218.785	518.12
LOCATION	L0009083	VOLUME	471945.139	3752218.832	518.41
LOCATION	L0009084	VOLUME	471936.550	3752218.879	518.69
LOCATION	L0009085	VOLUME	471927.960	3752218.926	518.98
LOCATION	L0009086	VOLUME	471919.370	3752218.973	519.26
LOCATION	L0009087	VOLUME	471910.780	3752219.020	519.55
LOCATION	L0009088	VOLUME	471902.190	3752219.067	519.59
LOCATION	L0009089	VOLUME	471893.600	3752219.114	519.58
LOCATION	L0009090	VOLUME	471885.010	3752219.161	519.58
LOCATION	L0009091	VOLUME	471876.420	3752219.208	519.52
LOCATION	L0009092	VOLUME	471867.831	3752219.255	519.35
LOCATION	L0009093	VOLUME	471859.241	3752219.302	519.19
LOCATION	L0009094	VOLUME	471850.651	3752219.348	519.02
LOCATION	L0009095	VOLUME	471842.061	3752219.395	518.64
LOCATION	L0009096	VOLUME	471833.471	3752219.442	518.23
LOCATION	L0009097	VOLUME	471824.881	3752219.489	517.82
LOCATION	L0009098	VOLUME	471823.225	3752212.652	517.95
LOCATION	L0009099	VOLUME	471823.334	3752204.063	518.30

LOCATION	VOLUME				
L0009100	471823.444	3752195.474	518.87		
L0009101	471823.553	3752186.885	519.45		
L0009102	471823.662	3752178.295	520.03		
L0009103	471823.771	3752169.706	520.63		
L0009104	471823.880	3752161.117	521.25		
L0009105	471823.989	3752152.527	521.87		
L0009106	471824.099	3752143.938	522.56		
L0009107	471824.208	3752135.349	523.38		
L0009108	471824.317	3752126.759	524.20		
L0009109	471824.426	3752118.170	525.02		
L0009110	471824.535	3752109.581	525.44		
L0009111	471824.645	3752100.991	525.78		
L0009112	471824.754	3752092.402	526.12		
L0009113	471824.863	3752083.813	526.46		
L0009114	471824.972	3752075.224	526.81		
L0009115	471825.081	3752066.634	527.16		
L0009116	471825.190	3752058.045	527.51		
L0009117	471825.300	3752049.456	527.86		
L0009118	471825.409	3752040.866	528.21		
L0009119	471825.518	3752032.277	528.57		
L0009120	471825.627	3752023.688	529.02		
L0009121	471825.736	3752015.098	529.67		
L0009122	471825.846	3752006.509	530.32		
L0009123	471825.955	3751997.920	530.97		
L0009124	471826.064	3751989.330	531.52		
L0009125	471826.173	3751980.741	532.04		
L0009126	471826.282	3751972.152	532.57		
L0009127	471826.392	3751963.563	533.11		
L0009128	471826.501	3751954.973	533.70		
L0009129	471826.610	3751946.384	534.29		
L0009130	471826.719	3751937.795	534.88		
L0009131	471826.828	3751929.205	535.28		
L0009132	471826.937	3751920.616	535.66		
L0009133	471827.047	3751912.027	536.02		

\*\* End of LINE VOLUME Source ID = SLINE32

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE33

\*\* DESCRSRC Bldg D Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.989E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 3

\*\* 471800.210, 3751645.643, 536.51, 3.49, 4.00

\*\* 471824.448, 3751646.298, 538.29, 3.49, 4.00

\*\* 471826.414, 3751872.303, 536.15, 3.49, 4.00

\*\* -----

LOCATION	VOLUME				
L0009134	471804.504	3751645.759	537.30		
L0009135	471813.090	3751645.991	537.88		
L0009136	471821.677	3751646.224	538.49		
L0009137	471824.499	3751652.116	538.84		
L0009138	471824.574	3751660.706	539.04		
L0009139	471824.648	3751669.296	539.08		
L0009140	471824.723	3751677.885	538.80		
L0009141	471824.798	3751686.475	538.51		
L0009142	471824.872	3751695.065	538.23		
L0009143	471824.947	3751703.654	538.18		
L0009144	471825.022	3751712.244	538.18		
L0009145	471825.096	3751720.834	538.18		
L0009146	471825.171	3751729.423	538.19		
L0009147	471825.246	3751738.013	538.19		
L0009148	471825.320	3751746.603	538.19		
L0009149	471825.395	3751755.192	538.19		

LOCATION	L0009150	VOLUME	471825.470	3751763.782	538.20
LOCATION	L0009151	VOLUME	471825.545	3751772.372	538.20
LOCATION	L0009152	VOLUME	471825.619	3751780.961	538.20
LOCATION	L0009153	VOLUME	471825.694	3751789.551	538.20
LOCATION	L0009154	VOLUME	471825.769	3751798.141	538.21
LOCATION	L0009155	VOLUME	471825.843	3751806.730	538.21
LOCATION	L0009156	VOLUME	471825.918	3751815.320	538.21
LOCATION	L0009157	VOLUME	471825.993	3751823.910	537.92
LOCATION	L0009158	VOLUME	471826.067	3751832.499	537.57
LOCATION	L0009159	VOLUME	471826.142	3751841.089	537.23
LOCATION	L0009160	VOLUME	471826.217	3751849.679	536.92
LOCATION	L0009161	VOLUME	471826.291	3751858.268	536.70
LOCATION	L0009162	VOLUME	471826.366	3751866.858	536.48

\*\* End of LINE VOLUME Source ID = SLINE33

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE34

\*\* DESCRSRC Bldg E Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 2.448E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471470.702, 3751503.490, 534.12, 3.49, 4.00

\*\* 471476.598, 3751257.177, 526.08, 3.49, 4.00

\*\* -----

LOCATION	L0009163	VOLUME	471470.805	3751499.196	534.21
LOCATION	L0009164	VOLUME	471471.010	3751490.608	534.49
LOCATION	L0009165	VOLUME	471471.216	3751482.021	534.71
LOCATION	L0009166	VOLUME	471471.421	3751473.433	534.87
LOCATION	L0009167	VOLUME	471471.627	3751464.846	535.03
LOCATION	L0009168	VOLUME	471471.832	3751456.258	535.17
LOCATION	L0009169	VOLUME	471472.038	3751447.671	534.99
LOCATION	L0009170	VOLUME	471472.243	3751439.083	534.82
LOCATION	L0009171	VOLUME	471472.449	3751430.496	534.64
LOCATION	L0009172	VOLUME	471472.655	3751421.908	534.41
LOCATION	L0009173	VOLUME	471472.860	3751413.321	534.11
LOCATION	L0009174	VOLUME	471473.066	3751404.733	533.82
LOCATION	L0009175	VOLUME	471473.271	3751396.145	533.52
LOCATION	L0009176	VOLUME	471473.477	3751387.558	533.09
LOCATION	L0009177	VOLUME	471473.682	3751378.970	532.66
LOCATION	L0009178	VOLUME	471473.888	3751370.383	532.23
LOCATION	L0009179	VOLUME	471474.093	3751361.795	531.79
LOCATION	L0009180	VOLUME	471474.299	3751353.208	531.34
LOCATION	L0009181	VOLUME	471474.505	3751344.620	530.90
LOCATION	L0009182	VOLUME	471474.710	3751336.033	530.45
LOCATION	L0009183	VOLUME	471474.916	3751327.445	529.87
LOCATION	L0009184	VOLUME	471475.121	3751318.858	529.29
LOCATION	L0009185	VOLUME	471475.327	3751310.270	528.72
LOCATION	L0009186	VOLUME	471475.532	3751301.682	528.23
LOCATION	L0009187	VOLUME	471475.738	3751293.095	527.84
LOCATION	L0009188	VOLUME	471475.943	3751284.507	527.45
LOCATION	L0009189	VOLUME	471476.149	3751275.920	527.08
LOCATION	L0009190	VOLUME	471476.354	3751267.332	526.81
LOCATION	L0009191	VOLUME	471476.560	3751258.745	526.54

\*\* End of LINE VOLUME Source ID = SLINE34

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE35

\*\* DESCRSRC Bldg F Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 2.428E-06

\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 471418.295, 3751503.490, 535.70, 3.49, 4.00  
\*\* 471422.225, 3751259.143, 524.24, 3.49, 4.00

-----  
LOCATION L0009192 VOLUME 471418.364 3751499.195 535.95  
LOCATION L0009193 VOLUME 471418.502 3751490.606 536.24  
LOCATION L0009194 VOLUME 471418.640 3751482.017 536.46  
LOCATION L0009195 VOLUME 471418.778 3751473.429 536.64  
LOCATION L0009196 VOLUME 471418.917 3751464.840 536.82  
LOCATION L0009197 VOLUME 471419.055 3751456.251 536.99  
LOCATION L0009198 VOLUME 471419.193 3751447.662 536.80  
LOCATION L0009199 VOLUME 471419.331 3751439.073 536.61  
LOCATION L0009200 VOLUME 471419.469 3751430.484 536.42  
LOCATION L0009201 VOLUME 471419.607 3751421.895 536.17  
LOCATION L0009202 VOLUME 471419.746 3751413.306 535.88  
LOCATION L0009203 VOLUME 471419.884 3751404.717 535.59  
LOCATION L0009204 VOLUME 471420.022 3751396.129 535.28  
LOCATION L0009205 VOLUME 471420.160 3751387.540 534.71  
LOCATION L0009206 VOLUME 471420.298 3751378.951 534.13  
LOCATION L0009207 VOLUME 471420.436 3751370.362 533.55  
LOCATION L0009208 VOLUME 471420.575 3751361.773 532.88  
LOCATION L0009209 VOLUME 471420.713 3751353.184 532.13  
LOCATION L0009210 VOLUME 471420.851 3751344.595 531.39  
LOCATION L0009211 VOLUME 471420.989 3751336.006 530.67  
LOCATION L0009212 VOLUME 471421.127 3751327.417 530.10  
LOCATION L0009213 VOLUME 471421.265 3751318.829 529.54  
LOCATION L0009214 VOLUME 471421.403 3751310.240 528.97  
LOCATION L0009215 VOLUME 471421.542 3751301.651 528.28  
LOCATION L0009216 VOLUME 471421.680 3751293.062 527.50  
LOCATION L0009217 VOLUME 471421.818 3751284.473 526.71  
LOCATION L0009218 VOLUME 471421.956 3751275.884 525.95  
LOCATION L0009219 VOLUME 471422.094 3751267.295 525.38

\*\* End of LINE VOLUME Source ID = SLINE35

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

\*\* LINE VOLUME Source ID = SLINE36

\*\* DESCRSRC Bldg G Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 2.681E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 4

\*\* 471107.129, 3752267.320, 510.95, 3.49, 4.00

\*\* 471107.129, 3752298.764, 509.32, 3.49, 4.00

\*\* 471317.412, 3752299.419, 513.10, 3.49, 4.00

\*\* 471317.412, 3752271.251, 515.31, 3.49, 4.00

-----  
LOCATION L0009220 VOLUME 471107.129 3752271.615 511.01  
LOCATION L0009221 VOLUME 471107.129 3752280.205 510.58  
LOCATION L0009222 VOLUME 471107.129 3752288.795 510.15  
LOCATION L0009223 VOLUME 471107.129 3752297.385 509.77  
LOCATION L0009224 VOLUME 471114.340 3752298.787 510.48  
LOCATION L0009225 VOLUME 471122.930 3752298.813 511.30  
LOCATION L0009226 VOLUME 471131.520 3752298.840 511.94  
LOCATION L0009227 VOLUME 471140.110 3752298.867 511.98  
LOCATION L0009228 VOLUME 471148.700 3752298.894 512.02  
LOCATION L0009229 VOLUME 471157.290 3752298.920 512.06  
LOCATION L0009230 VOLUME 471165.880 3752298.947 512.47  
LOCATION L0009231 VOLUME 471174.470 3752298.974 513.00  
LOCATION L0009232 VOLUME 471183.060 3752299.001 513.52  
LOCATION L0009233 VOLUME 471191.649 3752299.028 513.92  
LOCATION L0009234 VOLUME 471200.239 3752299.054 513.92

LOCATION	L0009235	VOLUME	471208.829	3752299.081	513.92
LOCATION	L0009236	VOLUME	471217.419	3752299.108	513.92
LOCATION	L0009237	VOLUME	471226.009	3752299.135	513.50
LOCATION	L0009238	VOLUME	471234.599	3752299.161	512.95
LOCATION	L0009239	VOLUME	471243.189	3752299.188	512.41
LOCATION	L0009240	VOLUME	471251.779	3752299.215	512.07
LOCATION	L0009241	VOLUME	471260.369	3752299.242	512.36
LOCATION	L0009242	VOLUME	471268.959	3752299.268	512.65
LOCATION	L0009243	VOLUME	471277.549	3752299.295	512.93
LOCATION	L0009244	VOLUME	471286.139	3752299.322	512.98
LOCATION	L0009245	VOLUME	471294.729	3752299.349	512.95
LOCATION	L0009246	VOLUME	471303.319	3752299.375	512.93
LOCATION	L0009247	VOLUME	471311.909	3752299.402	512.91
LOCATION	L0009248	VOLUME	471317.412	3752296.332	513.03
LOCATION	L0009249	VOLUME	471317.412	3752287.742	513.75
LOCATION	L0009250	VOLUME	471317.412	3752279.152	514.47

\*\* End of LINE VOLUME Source ID = SLINE36

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE37

\*\* DESCRSRC Bldg H Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 2.668E-06

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 4

\*\* 471343.615, 3752270.596, 516.97, 3.49, 4.00

\*\* 471343.615, 3752300.729, 513.20, 3.49, 4.00

\*\* 471551.932, 3752303.350, 521.01, 3.49, 4.00

\*\* 471552.588, 3752273.216, 522.80, 3.49, 4.00

\*\*

LOCATION	L0009251	VOLUME	471343.615	3752274.891	515.97
LOCATION	L0009252	VOLUME	471343.615	3752283.481	514.91
LOCATION	L0009253	VOLUME	471343.615	3752292.071	513.84
LOCATION	L0009254	VOLUME	471343.615	3752300.661	513.14
LOCATION	L0009255	VOLUME	471352.135	3752300.837	513.70
LOCATION	L0009256	VOLUME	471360.725	3752300.945	514.27
LOCATION	L0009257	VOLUME	471369.314	3752301.053	514.84
LOCATION	L0009258	VOLUME	471377.903	3752301.161	514.77
LOCATION	L0009259	VOLUME	471386.493	3752301.269	514.67
LOCATION	L0009260	VOLUME	471395.082	3752301.377	514.57
LOCATION	L0009261	VOLUME	471403.671	3752301.485	514.54
LOCATION	L0009262	VOLUME	471412.261	3752301.593	514.57
LOCATION	L0009263	VOLUME	471420.850	3752301.701	514.61
LOCATION	L0009264	VOLUME	471429.439	3752301.809	514.65
LOCATION	L0009265	VOLUME	471438.029	3752301.917	515.36
LOCATION	L0009266	VOLUME	471446.618	3752302.025	516.08
LOCATION	L0009267	VOLUME	471455.207	3752302.133	516.81
LOCATION	L0009268	VOLUME	471463.797	3752302.241	517.47
LOCATION	L0009269	VOLUME	471472.386	3752302.349	518.05
LOCATION	L0009270	VOLUME	471480.975	3752302.457	518.62
LOCATION	L0009271	VOLUME	471489.565	3752302.565	519.20
LOCATION	L0009272	VOLUME	471498.154	3752302.673	519.66
LOCATION	L0009273	VOLUME	471506.743	3752302.781	520.12
LOCATION	L0009274	VOLUME	471515.333	3752302.889	520.57
LOCATION	L0009275	VOLUME	471523.922	3752302.997	520.79
LOCATION	L0009276	VOLUME	471532.511	3752303.106	520.78
LOCATION	L0009277	VOLUME	471541.101	3752303.214	520.78
LOCATION	L0009278	VOLUME	471549.690	3752303.322	520.77
LOCATION	L0009279	VOLUME	471552.070	3752297.004	520.90
LOCATION	L0009280	VOLUME	471552.257	3752288.416	521.41
LOCATION	L0009281	VOLUME	471552.444	3752279.828	521.92

\*\* End of LINE VOLUME Source ID = SLINE37

\*\*



```

** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE38
** DESCRSRC Bldg J Onsite
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.99E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 471580.756, 3752273.871, 520.11, 3.49, 4.00
** 471580.101, 3752301.385, 519.97, 3.49, 4.00
** 471784.488, 3752302.695, 518.69, 3.49, 4.00
** 471784.488, 3752277.801, 519.06, 3.49, 4.00

```

```

-----
LOCATION L0009282      VOLUME  471580.654 3752278.165 519.93
LOCATION L0009283      VOLUME  471580.450 3752286.752 519.94
LOCATION L0009284      VOLUME  471580.245 3752295.340 519.95
LOCATION L0009285      VOLUME  471582.645 3752301.401 519.51
LOCATION L0009286      VOLUME  471591.235 3752301.456 519.03
LOCATION L0009287      VOLUME  471599.824 3752301.511 518.54
LOCATION L0009288      VOLUME  471608.414 3752301.566 518.06
LOCATION L0009289      VOLUME  471617.004 3752301.621 518.21
LOCATION L0009290      VOLUME  471625.594 3752301.676 518.44
LOCATION L0009291      VOLUME  471634.184 3752301.731 518.68
LOCATION L0009292      VOLUME  471642.773 3752301.786 519.02
LOCATION L0009293      VOLUME  471651.363 3752301.841 519.54
LOCATION L0009294      VOLUME  471659.953 3752301.896 520.06
LOCATION L0009295      VOLUME  471668.543 3752301.951 520.58
LOCATION L0009296      VOLUME  471677.133 3752302.007 520.39
LOCATION L0009297      VOLUME  471685.723 3752302.062 520.10
LOCATION L0009298      VOLUME  471694.312 3752302.117 519.81
LOCATION L0009299      VOLUME  471702.902 3752302.172 519.54
LOCATION L0009300      VOLUME  471711.492 3752302.227 519.30
LOCATION L0009301      VOLUME  471720.082 3752302.282 519.07
LOCATION L0009302      VOLUME  471728.672 3752302.337 518.83
LOCATION L0009303      VOLUME  471737.262 3752302.392 518.81
LOCATION L0009304      VOLUME  471745.851 3752302.447 518.81
LOCATION L0009305      VOLUME  471754.441 3752302.502 518.80
LOCATION L0009306      VOLUME  471763.031 3752302.557 518.83
LOCATION L0009307      VOLUME  471771.621 3752302.612 518.88
LOCATION L0009308      VOLUME  471780.211 3752302.667 518.94
LOCATION L0009309      VOLUME  471784.488 3752298.382 518.99
LOCATION L0009310      VOLUME  471784.488 3752289.792 519.08
LOCATION L0009311      VOLUME  471784.488 3752281.202 519.17

```

```

** End of LINE VOLUME Source ID = SLINE38

```

```

-----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE39
** DESCRSRC Bldg K Onsite
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.936E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 3
** 471784.488, 3752278.457, 519.06, 3.49, 4.00
** 471783.833, 3752303.350, 518.65, 3.49, 4.00
** 472054.383, 3752304.005, 515.09, 3.49, 4.00

```

```

-----
LOCATION L0009312      VOLUME  471784.375 3752282.750 519.16
LOCATION L0009313      VOLUME  471784.149 3752291.337 519.06
LOCATION L0009314      VOLUME  471783.923 3752299.924 518.98
LOCATION L0009315      VOLUME  471788.996 3752303.362 519.00
LOCATION L0009316      VOLUME  471797.586 3752303.383 517.13

```

LOCATION	L0009317	VOLUME	471806.176	3752303.404	515.13
LOCATION	L0009318	VOLUME	471814.766	3752303.425	513.12
LOCATION	L0009319	VOLUME	471823.356	3752303.446	512.22
LOCATION	L0009320	VOLUME	471831.946	3752303.466	512.73
LOCATION	L0009321	VOLUME	471840.536	3752303.487	513.24
LOCATION	L0009322	VOLUME	471849.126	3752303.508	513.74
LOCATION	L0009323	VOLUME	471857.716	3752303.529	514.38
LOCATION	L0009324	VOLUME	471866.306	3752303.549	515.01
LOCATION	L0009325	VOLUME	471874.896	3752303.570	515.65
LOCATION	L0009326	VOLUME	471883.486	3752303.591	516.10
LOCATION	L0009327	VOLUME	471892.076	3752303.612	516.32
LOCATION	L0009328	VOLUME	471900.666	3752303.633	516.54
LOCATION	L0009329	VOLUME	471909.256	3752303.653	516.76
LOCATION	L0009330	VOLUME	471917.846	3752303.674	516.70
LOCATION	L0009331	VOLUME	471926.436	3752303.695	516.63
LOCATION	L0009332	VOLUME	471935.026	3752303.716	516.56
LOCATION	L0009333	VOLUME	471943.616	3752303.737	516.46
LOCATION	L0009334	VOLUME	471952.206	3752303.757	516.30
LOCATION	L0009335	VOLUME	471960.796	3752303.778	516.15
LOCATION	L0009336	VOLUME	471969.386	3752303.799	516.00
LOCATION	L0009337	VOLUME	471977.975	3752303.820	515.80
LOCATION	L0009338	VOLUME	471986.565	3752303.841	515.59
LOCATION	L0009339	VOLUME	471995.155	3752303.861	515.38
LOCATION	L0009340	VOLUME	472003.745	3752303.882	515.14
LOCATION	L0009341	VOLUME	472012.335	3752303.903	514.85
LOCATION	L0009342	VOLUME	472020.925	3752303.924	514.56
LOCATION	L0009343	VOLUME	472029.515	3752303.945	514.27
LOCATION	L0009344	VOLUME	472038.105	3752303.965	514.06
LOCATION	L0009345	VOLUME	472046.695	3752303.986	513.84

\*\* End of LINE VOLUME Source ID = SLINE39

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE40

\*\* DESCRSRC MU 98k N Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 7.811E-07

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 4

\*\* 471108.011, 3752252.737, 510.65, 3.49, 4.00

\*\* 471088.082, 3752263.134, 509.92, 3.49, 4.00

\*\* 471087.216, 3752138.365, 512.23, 3.49, 4.00

\*\* 471105.411, 3752138.365, 512.82, 3.49, 4.00

\*\*

LOCATION	L0009346	VOLUME	471104.203	3752254.723	510.82
LOCATION	L0009347	VOLUME	471096.587	3752258.697	510.49
LOCATION	L0009348	VOLUME	471088.971	3752262.670	509.90
LOCATION	L0009349	VOLUME	471088.030	3752255.547	509.76
LOCATION	L0009350	VOLUME	471087.970	3752246.957	509.69
LOCATION	L0009351	VOLUME	471087.910	3752238.367	509.63
LOCATION	L0009352	VOLUME	471087.851	3752229.778	509.52
LOCATION	L0009353	VOLUME	471087.791	3752221.188	509.41
LOCATION	L0009354	VOLUME	471087.731	3752212.598	509.29
LOCATION	L0009355	VOLUME	471087.672	3752204.008	509.35
LOCATION	L0009356	VOLUME	471087.612	3752195.419	509.80
LOCATION	L0009357	VOLUME	471087.552	3752186.829	510.26
LOCATION	L0009358	VOLUME	471087.493	3752178.239	510.71
LOCATION	L0009359	VOLUME	471087.433	3752169.649	511.21
LOCATION	L0009360	VOLUME	471087.373	3752161.059	511.72
LOCATION	L0009361	VOLUME	471087.314	3752152.470	512.24
LOCATION	L0009362	VOLUME	471087.254	3752143.880	512.50
LOCATION	L0009363	VOLUME	471090.291	3752138.365	512.42
LOCATION	L0009364	VOLUME	471098.881	3752138.365	512.70

\*\* End of LINE VOLUME Source ID = SLINE40

\*\* -----  
\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE41  
\*\* DESCRSRC MU 77k Onsite  
\*\* PREFIX  
\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 5.443E-07  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 5  
\*\* 471049.183, 3751936.315, 514.26, 3.49, 4.00  
\*\* 471025.238, 3751936.848, 512.71, 3.49, 4.00  
\*\* 471014.596, 3751940.040, 511.99, 3.49, 4.00  
\*\* 471051.312, 3752029.436, 515.14, 3.49, 4.00  
\*\* 471065.147, 3752023.583, 515.98, 3.49, 4.00  
\*\* -----

LOCATION	L0009365	VOLUME	471044.889	3751936.411	514.52
LOCATION	L0009366	VOLUME	471036.302	3751936.602	513.78
LOCATION	L0009367	VOLUME	471027.714	3751936.793	513.21
LOCATION	L0009368	VOLUME	471019.382	3751938.604	512.63
LOCATION	L0009369	VOLUME	471015.961	3751943.364	512.38
LOCATION	L0009370	VOLUME	471019.224	3751951.310	512.49
LOCATION	L0009371	VOLUME	471022.488	3751959.255	512.54
LOCATION	L0009372	VOLUME	471025.751	3751967.201	512.56
LOCATION	L0009373	VOLUME	471029.015	3751975.147	512.93
LOCATION	L0009374	VOLUME	471032.278	3751983.093	513.31
LOCATION	L0009375	VOLUME	471035.542	3751991.039	513.68
LOCATION	L0009376	VOLUME	471038.805	3751998.985	514.05
LOCATION	L0009377	VOLUME	471042.069	3752006.931	514.48
LOCATION	L0009378	VOLUME	471045.332	3752014.877	514.88
LOCATION	L0009379	VOLUME	471048.596	3752022.823	515.21
LOCATION	L0009380	VOLUME	471052.638	3752028.875	515.36
LOCATION	L0009381	VOLUME	471060.549	3752025.528	515.69

\*\* End of LINE VOLUME Source ID = SLINE41  
\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources  
\*\* LINE VOLUME Source ID = SLINE42  
\*\* DESCRSRC MU 131k Onsite  
\*\* PREFIX  
\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 8.97E-07  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 4  
\*\* 471048.119, 3751831.488, 512.51, 3.49, 4.00  
\*\* 471028.963, 3751831.488, 514.06, 3.49, 4.00  
\*\* 471029.495, 3751725.596, 517.84, 3.49, 4.00  
\*\* 471046.523, 3751725.596, 518.09, 3.49, 4.00  
\*\* -----

LOCATION	L0009382	VOLUME	471043.824	3751831.488	512.43
LOCATION	L0009383	VOLUME	471035.234	3751831.488	512.94
LOCATION	L0009384	VOLUME	471028.974	3751829.169	513.70
LOCATION	L0009385	VOLUME	471029.018	3751820.579	514.18
LOCATION	L0009386	VOLUME	471029.061	3751811.989	514.44
LOCATION	L0009387	VOLUME	471029.104	3751803.400	514.53
LOCATION	L0009388	VOLUME	471029.147	3751794.810	514.61
LOCATION	L0009389	VOLUME	471029.190	3751786.220	514.71
LOCATION	L0009390	VOLUME	471029.233	3751777.630	515.08
LOCATION	L0009391	VOLUME	471029.277	3751769.040	515.46
LOCATION	L0009392	VOLUME	471029.320	3751760.450	515.83
LOCATION	L0009393	VOLUME	471029.363	3751751.860	516.27
LOCATION	L0009394	VOLUME	471029.406	3751743.270	516.74
LOCATION	L0009395	VOLUME	471029.449	3751734.680	517.22
LOCATION	L0009396	VOLUME	471029.492	3751726.091	517.69

LOCATION L0009397 VOLUME 471037.591 3751725.596 517.97  
LOCATION L0009398 VOLUME 471046.181 3751725.596 518.26

\*\* End of LINE VOLUME Source ID = SLINE42

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE43

\*\* DESCRSRC MU 98k S Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 6.437E-07

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 4

\*\* 471045.991, 3751685.155, 519.96, 3.49, 4.00

\*\* 471028.431, 3751686.219, 519.11, 3.49, 4.00

\*\* 471028.963, 3751588.309, 521.52, 3.49, 4.00

\*\* 471049.715, 3751587.777, 522.51, 3.49, 4.00

\*\*

LOCATION L0009399 VOLUME 471041.703 3751685.415 520.27  
LOCATION L0009400 VOLUME 471033.129 3751685.935 519.92  
LOCATION L0009401 VOLUME 471028.452 3751682.337 520.08  
LOCATION L0009402 VOLUME 471028.498 3751673.747 520.73  
LOCATION L0009403 VOLUME 471028.545 3751665.157 521.30  
LOCATION L0009404 VOLUME 471028.592 3751656.567 521.48  
LOCATION L0009405 VOLUME 471028.639 3751647.977 521.67  
LOCATION L0009406 VOLUME 471028.685 3751639.387 521.86  
LOCATION L0009407 VOLUME 471028.732 3751630.797 521.72  
LOCATION L0009408 VOLUME 471028.779 3751622.207 521.44  
LOCATION L0009409 VOLUME 471028.825 3751613.618 521.16  
LOCATION L0009410 VOLUME 471028.872 3751605.028 520.97  
LOCATION L0009411 VOLUME 471028.919 3751596.438 521.18  
LOCATION L0009412 VOLUME 471029.424 3751588.298 521.40  
LOCATION L0009413 VOLUME 471038.011 3751588.077 521.91  
LOCATION L0009414 VOLUME 471046.598 3751587.857 522.47

\*\* End of LINE VOLUME Source ID = SLINE43

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = SLINE44

\*\* DESCRSRC MU 110k Onsite

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 8.895E-07

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 471143.092, 3751331.498, 523.06, 3.49, 4.00

\*\* 471143.544, 3751499.315, 524.31, 3.49, 4.00

\*\*

LOCATION L0009415 VOLUME 471143.103 3751335.793 523.42  
LOCATION L0009416 VOLUME 471143.126 3751344.383 523.57  
LOCATION L0009417 VOLUME 471143.150 3751352.973 523.70  
LOCATION L0009418 VOLUME 471143.173 3751361.563 523.83  
LOCATION L0009419 VOLUME 471143.196 3751370.153 523.86  
LOCATION L0009420 VOLUME 471143.219 3751378.743 523.73  
LOCATION L0009421 VOLUME 471143.242 3751387.333 523.60  
LOCATION L0009422 VOLUME 471143.265 3751395.923 523.47  
LOCATION L0009423 VOLUME 471143.288 3751404.513 523.72  
LOCATION L0009424 VOLUME 471143.312 3751413.103 524.01  
LOCATION L0009425 VOLUME 471143.335 3751421.693 524.29  
LOCATION L0009426 VOLUME 471143.358 3751430.283 524.52  
LOCATION L0009427 VOLUME 471143.381 3751438.873 524.65  
LOCATION L0009428 VOLUME 471143.404 3751447.463 524.78  
LOCATION L0009429 VOLUME 471143.427 3751456.053 524.92  
LOCATION L0009430 VOLUME 471143.451 3751464.643 524.80

LOCATION L0009431	VOLUME	471143.474	3751473.233	524.67
LOCATION L0009432	VOLUME	471143.497	3751481.823	524.54
LOCATION L0009433	VOLUME	471143.520	3751490.413	524.47
LOCATION L0009434	VOLUME	471143.543	3751499.003	524.47

\*\* End of LINE VOLUME Source ID = SLINE44

\*\* Source Parameters \*\*

\*\* LINE VOLUME Source ID = SLINE1

SRCPARAM L0007207	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007208	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007209	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007210	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007211	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007212	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007213	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007214	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007215	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007216	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007217	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007218	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007219	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007220	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007221	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007222	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007223	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007224	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007225	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007226	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007227	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007228	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007229	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007230	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007231	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007232	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007233	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007234	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007235	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007236	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007237	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007238	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007239	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007240	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007241	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007242	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007243	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007244	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007245	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007246	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007247	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007248	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007249	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007250	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007251	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007252	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007253	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007254	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007255	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007256	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007257	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007258	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007259	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007260	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007261	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007262	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007263	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007264	0.0000009475	3.49	4.00	3.25
SRCPARAM L0007265	0.0000009475	3.49	4.00	3.25









```

** -----
** LINE VOLUME Source ID = SLINE6
SRCPARAM L0007456 0.000001725 3.49 4.00 3.25
SRCPARAM L0007457 0.000001725 3.49 4.00 3.25
SRCPARAM L0007458 0.000001725 3.49 4.00 3.25
SRCPARAM L0007459 0.000001725 3.49 4.00 3.25
SRCPARAM L0007460 0.000001725 3.49 4.00 3.25
SRCPARAM L0007461 0.000001725 3.49 4.00 3.25
SRCPARAM L0007462 0.000001725 3.49 4.00 3.25
SRCPARAM L0007463 0.000001725 3.49 4.00 3.25
SRCPARAM L0007464 0.000001725 3.49 4.00 3.25
SRCPARAM L0007465 0.000001725 3.49 4.00 3.25
SRCPARAM L0007466 0.000001725 3.49 4.00 3.25
SRCPARAM L0007467 0.000001725 3.49 4.00 3.25
SRCPARAM L0007468 0.000001725 3.49 4.00 3.25
SRCPARAM L0007469 0.000001725 3.49 4.00 3.25
SRCPARAM L0007470 0.000001725 3.49 4.00 3.25
SRCPARAM L0007471 0.000001725 3.49 4.00 3.25
SRCPARAM L0007472 0.000001725 3.49 4.00 3.25
SRCPARAM L0007473 0.000001725 3.49 4.00 3.25
SRCPARAM L0007474 0.000001725 3.49 4.00 3.25
SRCPARAM L0007475 0.000001725 3.49 4.00 3.25
SRCPARAM L0007476 0.000001725 3.49 4.00 3.25
** -----
** LINE VOLUME Source ID = SLINE7
SRCPARAM L0007477 0.0000005683 3.49 4.00 3.25
SRCPARAM L0007478 0.0000005683 3.49 4.00 3.25
SRCPARAM L0007479 0.0000005683 3.49 4.00 3.25
SRCPARAM L0007480 0.0000005683 3.49 4.00 3.25
SRCPARAM L0007481 0.0000005683 3.49 4.00 3.25
SRCPARAM L0007482 0.0000005683 3.49 4.00 3.25
SRCPARAM L0007483 0.0000005683 3.49 4.00 3.25
SRCPARAM L0007484 0.0000005683 3.49 4.00 3.25
SRCPARAM L0007485 0.0000005683 3.49 4.00 3.25
SRCPARAM L0007486 0.0000005683 3.49 4.00 3.25
SRCPARAM L0007487 0.0000005683 3.49 4.00 3.25
SRCPARAM L0007488 0.0000005683 3.49 4.00 3.25
SRCPARAM L0007489 0.0000005683 3.49 4.00 3.25
** -----
** LINE VOLUME Source ID = SLINE8
SRCPARAM L0007490 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007491 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007492 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007493 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007494 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007495 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007496 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007497 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007498 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007499 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007500 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007501 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007502 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007503 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007504 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007505 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007506 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007507 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007508 0.0000004861 3.49 4.00 3.25
** -----
** LINE VOLUME Source ID = SLINE9
SRCPARAM L0007509 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007510 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007511 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007512 0.0000004861 3.49 4.00 3.25
SRCPARAM L0007513 0.0000004861 3.49 4.00 3.25

```





```

** -----
** LINE VOLUME Source ID = SLINE17
SRCPARAM L0007632 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007633 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007634 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007635 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007636 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007637 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007638 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007639 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007640 0.0000005868 3.49 4.00 3.25
SRCPARAM L0007641 0.0000005868 3.49 4.00 3.25
** -----
** LINE VOLUME Source ID = SLINE18
SRCPARAM L0007642 0.000000439 3.49 4.00 3.25
SRCPARAM L0007643 0.000000439 3.49 4.00 3.25
SRCPARAM L0007644 0.000000439 3.49 4.00 3.25
SRCPARAM L0007645 0.000000439 3.49 4.00 3.25
SRCPARAM L0007646 0.000000439 3.49 4.00 3.25
SRCPARAM L0007647 0.000000439 3.49 4.00 3.25
SRCPARAM L0007648 0.000000439 3.49 4.00 3.25
SRCPARAM L0007649 0.000000439 3.49 4.00 3.25
SRCPARAM L0007650 0.000000439 3.49 4.00 3.25
SRCPARAM L0007651 0.000000439 3.49 4.00 3.25
** -----
** LINE VOLUME Source ID = SLINE19
SRCPARAM L0007652 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007653 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007654 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007655 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007656 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007657 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007658 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007659 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007660 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007661 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007662 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007663 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007664 0.0000003519 3.49 4.00 3.25
SRCPARAM L0007665 0.0000003519 3.49 4.00 3.25
** -----
** LINE VOLUME Source ID = SLINE20
SRCPARAM L0007666 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007667 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007668 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007669 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007670 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007671 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007672 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007673 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007674 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007675 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007676 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007677 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007678 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007679 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007680 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007681 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007682 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007683 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007684 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007685 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007686 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007687 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007688 0.0000007865 3.49 6.51 3.25
SRCPARAM L0007689 0.0000007865 3.49 6.51 3.25

```





























































SRCPARAM L0009424	0.00000004448	3.49	4.00	3.25
SRCPARAM L0009425	0.00000004448	3.49	4.00	3.25
SRCPARAM L0009426	0.00000004448	3.49	4.00	3.25
SRCPARAM L0009427	0.00000004448	3.49	4.00	3.25
SRCPARAM L0009428	0.00000004448	3.49	4.00	3.25
SRCPARAM L0009429	0.00000004448	3.49	4.00	3.25
SRCPARAM L0009430	0.00000004448	3.49	4.00	3.25
SRCPARAM L0009431	0.00000004448	3.49	4.00	3.25
SRCPARAM L0009432	0.00000004448	3.49	4.00	3.25
SRCPARAM L0009433	0.00000004448	3.49	4.00	3.25
SRCPARAM L0009434	0.00000004448	3.49	4.00	3.25

\*\*

URBANSRC ALL  
 SRCGROUP ALL

SO FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Receptor Pathway

\*\*\*\*\*

\*\*

\*\*

RE STARTING

INCLUDED "14064 Ops.rou"

RE FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Meteorology Pathway

\*\*\*\*\*

\*\*

\*\*

ME STARTING

SURFFILE KRAL\_V9\_ADJU\KRAL\_v9.SFC

PROFFILE KRAL\_V9\_ADJU\KRAL\_v9.PFL

SURFDATA 3171 2012

UAIRDATA 3190 2012

PROFBASE 245.0 METERS

ME FINISHED

\*\*

\*\*\*\*\*

\*\* AERMOD Output Pathway

\*\*\*\*\*

\*\*

\*\*

OU STARTING

\*\* Auto-Generated Plotfiles

PLOTFILE ANNUAL ALL "14064 Ops.AD\AN00GALL.PLT" 31

SUMMFILE "14064 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	5382	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
ME W187	5382	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET



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

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 14:46:30

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 2228 Source(s),  
for Total of 1 Urban Area(s):  
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- \* Urban Roughness Length of 1.0 Meter Used.
- \* ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET
- \* CCVR\_Sub - Meteorological data includes CCVR substitutions
- \* TEMP\_Sub - Meteorological data includes TEMP substitutions
- \* Model Assumes No FLAGPOLE Receptor Heights.
- \* The User Specified a Pollutant Type of: DPM

\*\*Model Calculates ANNUAL Averages Only

\*\*This Run Includes: 2228 Source(s); 1 Source Group(s); and 233 Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 2228 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) = 245.00 ; 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 = 4.5 MB of RAM.

\*\*Input Runstream File:

aermod.inp

\*\*Output Print File:

aermod.out

\*\*Detailed Error/Message File: 14064

Ops.err

\*\*File for Summary of Results: 14064

Ops.sum

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

14:46:30

PAGE 2

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

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

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	BY						
	CATS.							
L0007207	0	0.94750E-06	471219.4	3751821.4	518.3	3.49	4.00	3.25
YES								
L0007208	0	0.94750E-06	471228.0	3751821.5	518.9	3.49	4.00	3.25
YES								
L0007209	0	0.94750E-06	471236.6	3751821.6	519.6	3.49	4.00	3.25
YES								
L0007210	0	0.94750E-06	471245.2	3751821.7	520.2	3.49	4.00	3.25
YES								
L0007211	0	0.94750E-06	471253.8	3751821.7	521.1	3.49	4.00	3.25
YES								
L0007212	0	0.94750E-06	471262.4	3751821.8	522.3	3.49	4.00	3.25
YES								
L0007213	0	0.94750E-06	471271.0	3751821.9	523.4	3.49	4.00	3.25
YES								
L0007214	0	0.94750E-06	471279.5	3751822.0	524.6	3.49	4.00	3.25
YES								
L0007215	0	0.94750E-06	471288.1	3751822.1	524.5	3.49	4.00	3.25
YES								
L0007216	0	0.94750E-06	471296.7	3751822.2	524.3	3.49	4.00	3.25
YES								
L0007217	0	0.94750E-06	471305.3	3751822.3	524.1	3.49	4.00	3.25
YES								
L0007218	0	0.94750E-06	471313.9	3751822.3	524.0	3.49	4.00	3.25
YES								
L0007219	0	0.94750E-06	471322.5	3751822.4	523.9	3.49	4.00	3.25
YES								
L0007220	0	0.94750E-06	471331.1	3751822.5	523.9	3.49	4.00	3.25

YES								
L0007221	0	0.94750E-06	471339.7	3751822.6	523.8	3.49	4.00	3.25
YES								
L0007222	0	0.94750E-06	471348.3	3751822.7	523.9	3.49	4.00	3.25
YES								
L0007223	0	0.94750E-06	471356.8	3751822.8	523.9	3.49	4.00	3.25
YES								
L0007224	0	0.94750E-06	471365.4	3751822.9	524.0	3.49	4.00	3.25
YES								
L0007225	0	0.94750E-06	471374.0	3751822.9	524.0	3.49	4.00	3.25
YES								
L0007226	0	0.94750E-06	471382.6	3751823.0	524.1	3.49	4.00	3.25
YES								
L0007227	0	0.94750E-06	471391.2	3751823.1	524.2	3.49	4.00	3.25
YES								
L0007228	0	0.94750E-06	471399.8	3751823.2	524.2	3.49	4.00	3.25
YES								
L0007229	0	0.94750E-06	471408.4	3751823.3	524.7	3.49	4.00	3.25
YES								
L0007230	0	0.94750E-06	471417.0	3751823.4	525.3	3.49	4.00	3.25
YES								
L0007231	0	0.94750E-06	471425.6	3751823.4	525.8	3.49	4.00	3.25
YES								
L0007232	0	0.94750E-06	471434.2	3751823.5	526.3	3.49	4.00	3.25
YES								
L0007233	0	0.94750E-06	471442.7	3751823.6	526.9	3.49	4.00	3.25
YES								
L0007234	0	0.94750E-06	471451.3	3751823.7	527.4	3.49	4.00	3.25
YES								
L0007235	0	0.94750E-06	471459.9	3751823.8	528.0	3.49	4.00	3.25
YES								
L0007236	0	0.94750E-06	471468.5	3751823.9	528.4	3.49	4.00	3.25
YES								
L0007237	0	0.94750E-06	471477.1	3751824.0	528.7	3.49	4.00	3.25
YES								
L0007238	0	0.94750E-06	471485.7	3751824.0	529.1	3.49	4.00	3.25
YES								
L0007239	0	0.94750E-06	471494.3	3751824.1	529.5	3.49	4.00	3.25
YES								
L0007240	0	0.94750E-06	471502.9	3751824.2	530.0	3.49	4.00	3.25
YES								
L0007241	0	0.94750E-06	471511.5	3751824.3	530.5	3.49	4.00	3.25
YES								
L0007242	0	0.94750E-06	471520.0	3751824.4	531.0	3.49	4.00	3.25
YES								
L0007243	0	0.94750E-06	471528.6	3751824.5	531.7	3.49	4.00	3.25
YES								
L0007244	0	0.94750E-06	471537.2	3751824.5	532.3	3.49	4.00	3.25
YES								
L0007245	0	0.94750E-06	471545.8	3751824.6	533.0	3.49	4.00	3.25
YES								
L0007246	0	0.94750E-06	471554.4	3751824.7	533.5	3.49	4.00	3.25
YES								

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

14:46:30

PAGE 3

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

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

NUMBER	EMISSION RATE	BASE	RELEASE	INIT.	INIT.
URBAN	EMISSION RATE				

SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
SOURCE	SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
ID	CATS.	BY						
(METERS)								
L0007247	0	0.94750E-06	471563.0	3751824.8	533.8	3.49	4.00	3.25
YES								
L0007248	0	0.94750E-06	471571.6	3751824.9	534.2	3.49	4.00	3.25
YES								
L0007249	0	0.94750E-06	471580.2	3751825.0	534.6	3.49	4.00	3.25
YES								
L0007250	0	0.94750E-06	471588.8	3751825.1	534.8	3.49	4.00	3.25
YES								
L0007251	0	0.94750E-06	471597.4	3751825.1	535.0	3.49	4.00	3.25
YES								
L0007252	0	0.94750E-06	471605.9	3751825.2	535.2	3.49	4.00	3.25
YES								
L0007253	0	0.94750E-06	471614.5	3751825.3	535.4	3.49	4.00	3.25
YES								
L0007254	0	0.94750E-06	471623.1	3751825.4	535.6	3.49	4.00	3.25
YES								
L0007255	0	0.94750E-06	471631.7	3751825.5	535.8	3.49	4.00	3.25
YES								
L0007256	0	0.94750E-06	471640.3	3751825.6	536.0	3.49	4.00	3.25
YES								
L0007257	0	0.94750E-06	471648.9	3751825.7	536.0	3.49	4.00	3.25
YES								
L0007258	0	0.94750E-06	471657.5	3751825.7	536.0	3.49	4.00	3.25
YES								
L0007259	0	0.94750E-06	471666.1	3751825.8	536.0	3.49	4.00	3.25
YES								
L0007260	0	0.94750E-06	471674.7	3751825.9	536.0	3.49	4.00	3.25
YES								
L0007261	0	0.94750E-06	471683.2	3751826.0	536.0	3.49	4.00	3.25
YES								
L0007262	0	0.94750E-06	471691.8	3751826.1	536.0	3.49	4.00	3.25
YES								
L0007263	0	0.94750E-06	471700.4	3751826.2	536.0	3.49	4.00	3.25
YES								
L0007264	0	0.94750E-06	471709.0	3751826.2	536.0	3.49	4.00	3.25
YES								
L0007265	0	0.94750E-06	471717.6	3751826.3	536.0	3.49	4.00	3.25
YES								
L0007266	0	0.24300E-05	471731.6	3751806.5	536.1	3.49	4.00	3.25
YES								
L0007267	0	0.24300E-05	471731.7	3751797.9	536.1	3.49	4.00	3.25
YES								
L0007268	0	0.24300E-05	471731.8	3751789.3	536.1	3.49	4.00	3.25
YES								
L0007269	0	0.24300E-05	471731.9	3751780.7	536.1	3.49	4.00	3.25
YES								
L0007270	0	0.24300E-05	471732.0	3751772.1	536.0	3.49	4.00	3.25
YES								
L0007271	0	0.24300E-05	471732.1	3751763.6	536.0	3.49	4.00	3.25
YES								
L0007272	0	0.24300E-05	471732.2	3751755.0	535.9	3.49	4.00	3.25
YES								
L0007273	0	0.24300E-05	471732.3	3751746.4	535.7	3.49	4.00	3.25
YES								
L0007274	0	0.24300E-05	471732.4	3751737.8	535.4	3.49	4.00	3.25
YES								
L0007275	0	0.24300E-05	471732.5	3751729.2	535.2	3.49	4.00	3.25
YES								
L0007276	0	0.24300E-05	471732.6	3751720.6	535.1	3.49	4.00	3.25

YES  
 L0007277      0    0.24300E-05   471732.7 3751712.0   535.1      3.49      4.00      3.25  
 YES  
 L0007278      0    0.24300E-05   471732.9 3751703.4   535.1      3.49      4.00      3.25  
 YES  
 L0007279      0    0.24300E-05   471733.0 3751694.8   535.1      3.49      4.00      3.25  
 YES  
 L0007280      0    0.24300E-05   471733.1 3751686.3   535.1      3.49      4.00      3.25  
 YES  
 L0007281      0    0.24300E-05   471733.2 3751677.7   535.1      3.49      4.00      3.25  
 YES  
 L0007282      0    0.24300E-05   471733.3 3751669.1   535.1      3.49      4.00      3.25  
 YES  
 L0007283      0    0.24300E-05   471733.4 3751660.5   534.9      3.49      4.00      3.25  
 YES  
 L0007284      0    0.24300E-05   471733.5 3751651.9   534.6      3.49      4.00      3.25  
 YES  
 L0007285      0    0.24300E-05   471733.6 3751643.3   534.4      3.49      4.00      3.25  
 YES  
 L0007286      0    0.24300E-05   471733.7 3751634.7   534.1      3.49      4.00      3.25  
 YES

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\*      10/07/22

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

\*\*\*      14:46:30

PAGE 4

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

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

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE		ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		X				
(METERS)	CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0007287	0	0.24300E-05	471733.8	3751626.1	534.1	3.49	4.00	3.25
YES								
L0007288	0	0.24300E-05	471733.9	3751617.5	534.1	3.49	4.00	3.25
YES								
L0007289	0	0.94750E-06	471222.2	3751597.4	526.5	3.49	4.00	3.25
YES								
L0007290	0	0.94750E-06	471230.7	3751597.4	527.3	3.49	4.00	3.25
YES								
L0007291	0	0.94750E-06	471239.3	3751597.4	528.1	3.49	4.00	3.25
YES								
L0007292	0	0.94750E-06	471247.9	3751597.5	528.8	3.49	4.00	3.25
YES								
L0007293	0	0.94750E-06	471256.5	3751597.5	529.2	3.49	4.00	3.25
YES								
L0007294	0	0.94750E-06	471265.1	3751597.5	529.5	3.49	4.00	3.25
YES								
L0007295	0	0.94750E-06	471273.7	3751597.6	529.8	3.49	4.00	3.25
YES								
L0007296	0	0.94750E-06	471282.3	3751597.6	530.2	3.49	4.00	3.25
YES								
L0007297	0	0.94750E-06	471290.9	3751597.6	530.9	3.49	4.00	3.25
YES								
L0007298	0	0.94750E-06	471299.5	3751597.7	531.6	3.49	4.00	3.25
YES								
L0007299	0	0.94750E-06	471308.1	3751597.7	532.3	3.49	4.00	3.25

YES								
L0007300	0	0.94750E-06	471316.6	3751597.7	533.4	3.49	4.00	3.25
YES								
L0007301	0	0.94750E-06	471325.2	3751597.8	534.6	3.49	4.00	3.25
YES								
L0007302	0	0.94750E-06	471333.8	3751597.8	535.9	3.49	4.00	3.25
YES								
L0007303	0	0.94750E-06	471342.4	3751597.8	536.7	3.49	4.00	3.25
YES								
L0007304	0	0.94750E-06	471351.0	3751597.9	536.8	3.49	4.00	3.25
YES								
L0007305	0	0.94750E-06	471359.6	3751597.9	536.9	3.49	4.00	3.25
YES								
L0007306	0	0.94750E-06	471368.2	3751597.9	537.0	3.49	4.00	3.25
YES								
L0007307	0	0.94750E-06	471376.8	3751598.0	536.6	3.49	4.00	3.25
YES								
L0007308	0	0.94750E-06	471385.4	3751598.0	536.1	3.49	4.00	3.25
YES								
L0007309	0	0.94750E-06	471394.0	3751598.0	535.6	3.49	4.00	3.25
YES								
L0007310	0	0.94750E-06	471402.5	3751598.1	535.1	3.49	4.00	3.25
YES								
L0007311	0	0.94750E-06	471411.1	3751598.1	534.5	3.49	4.00	3.25
YES								
L0007312	0	0.94750E-06	471419.7	3751598.1	533.9	3.49	4.00	3.25
YES								
L0007313	0	0.94750E-06	471428.3	3751598.1	533.4	3.49	4.00	3.25
YES								
L0007314	0	0.94750E-06	471436.9	3751598.2	533.0	3.49	4.00	3.25
YES								
L0007315	0	0.94750E-06	471445.5	3751598.2	532.8	3.49	4.00	3.25
YES								
L0007316	0	0.94750E-06	471454.1	3751598.2	532.5	3.49	4.00	3.25
YES								
L0007317	0	0.94750E-06	471462.7	3751598.3	532.1	3.49	4.00	3.25
YES								
L0007318	0	0.94750E-06	471471.3	3751598.3	531.5	3.49	4.00	3.25
YES								
L0007319	0	0.94750E-06	471479.9	3751598.3	530.9	3.49	4.00	3.25
YES								
L0007320	0	0.94750E-06	471488.4	3751598.4	530.3	3.49	4.00	3.25
YES								
L0007321	0	0.94750E-06	471497.0	3751598.4	530.3	3.49	4.00	3.25
YES								
L0007322	0	0.94750E-06	471505.6	3751598.4	530.3	3.49	4.00	3.25
YES								
L0007323	0	0.94750E-06	471514.2	3751598.5	530.3	3.49	4.00	3.25
YES								
L0007324	0	0.94750E-06	471522.8	3751598.5	530.2	3.49	4.00	3.25
YES								
L0007325	0	0.94750E-06	471531.4	3751598.5	529.9	3.49	4.00	3.25
YES								
L0007326	0	0.94750E-06	471540.0	3751598.6	529.6	3.49	4.00	3.25
YES								

**FF** \*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*

14:46:30

PAGE 5

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

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

SOURCE	SOURCE	ID	PART.	NUMBER	EMISSION	RATE	X	Y	BASE	RELEASE	INIT.	INIT.
				URBAN	EMISSION	RATE			ELEV.	HEIGHT	SY	SZ
	SCALAR	(METERS)	VARY	(GRAMS/SEC)			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
	CATS.			BY								
L0007327	0	0.94750E-06	471548.6	3751598.6	529.3	3.49	4.00	3.25				
YES												
L0007328	0	0.94750E-06	471557.2	3751598.6	529.3	3.49	4.00	3.25				
YES												
L0007329	0	0.94750E-06	471565.8	3751598.7	529.3	3.49	4.00	3.25				
YES												
L0007330	0	0.94750E-06	471574.3	3751598.7	529.3	3.49	4.00	3.25				
YES												
L0007331	0	0.94750E-06	471582.9	3751598.7	529.3	3.49	4.00	3.25				
YES												
L0007332	0	0.94750E-06	471591.5	3751598.8	529.4	3.49	4.00	3.25				
YES												
L0007333	0	0.94750E-06	471600.1	3751598.8	529.6	3.49	4.00	3.25				
YES												
L0007334	0	0.94750E-06	471608.7	3751598.8	529.7	3.49	4.00	3.25				
YES												
L0007335	0	0.94750E-06	471617.3	3751598.9	529.7	3.49	4.00	3.25				
YES												
L0007336	0	0.94750E-06	471625.9	3751598.9	529.7	3.49	4.00	3.25				
YES												
L0007337	0	0.94750E-06	471634.5	3751598.9	529.7	3.49	4.00	3.25				
YES												
L0007338	0	0.94750E-06	471643.1	3751599.0	529.8	3.49	4.00	3.25				
YES												
L0007339	0	0.94750E-06	471651.6	3751599.0	530.0	3.49	4.00	3.25				
YES												
L0007340	0	0.94750E-06	471660.2	3751599.0	530.3	3.49	4.00	3.25				
YES												
L0007341	0	0.94750E-06	471668.8	3751599.1	530.5	3.49	4.00	3.25				
YES												
L0007342	0	0.94750E-06	471677.4	3751599.1	530.8	3.49	4.00	3.25				
YES												
L0007343	0	0.94750E-06	471686.0	3751599.1	531.2	3.49	4.00	3.25				
YES												
L0007344	0	0.94750E-06	471694.6	3751599.1	531.5	3.49	4.00	3.25				
YES												
L0007345	0	0.94750E-06	471703.2	3751599.2	532.0	3.49	4.00	3.25				
YES												
L0007346	0	0.94750E-06	471711.8	3751599.2	532.6	3.49	4.00	3.25				
YES												
L0007347	0	0.94750E-06	471720.4	3751599.2	533.1	3.49	4.00	3.25				
YES												
L0007348	0	0.11880E-05	471255.4	3752185.4	518.7	3.49	4.00	3.25				
YES												
L0007349	0	0.11880E-05	471264.0	3752185.5	518.7	3.49	4.00	3.25				
YES												
L0007350	0	0.11880E-05	471272.6	3752185.6	518.7	3.49	4.00	3.25				
YES												
L0007351	0	0.11880E-05	471281.2	3752185.7	518.8	3.49	4.00	3.25				
YES												
L0007352	0	0.11880E-05	471289.8	3752185.8	519.3	3.49	4.00	3.25				
YES												
L0007353	0	0.11880E-05	471298.4	3752185.9	519.8	3.49	4.00	3.25				
YES												
L0007354	0	0.11880E-05	471307.0	3752186.0	520.2	3.49	4.00	3.25				
YES												
L0007355	0	0.11880E-05	471315.6	3752186.1	520.7	3.49	4.00	3.25				

```

YES
L0007356      0  0.11880E-05  471324.2 3752186.2  521.2    3.49    4.00    3.25
YES
L0007357      0  0.11880E-05  471332.7 3752186.2  521.7    3.49    4.00    3.25
YES
L0007358      0  0.11880E-05  471341.3 3752186.3  522.1    3.49    4.00    3.25
YES
L0007359      0  0.11880E-05  471349.9 3752186.4  522.5    3.49    4.00    3.25
YES
L0007360      0  0.11880E-05  471358.5 3752186.5  522.8    3.49    4.00    3.25
YES
L0007361      0  0.11880E-05  471367.1 3752186.6  523.2    3.49    4.00    3.25
YES
L0007362      0  0.11880E-05  471375.7 3752186.7  523.5    3.49    4.00    3.25
YES
L0007363      0  0.11880E-05  471384.3 3752186.8  523.8    3.49    4.00    3.25
YES
L0007364      0  0.11880E-05  471392.9 3752186.9  524.1    3.49    4.00    3.25
YES
L0007365      0  0.11880E-05  471401.5 3752187.0  524.4    3.49    4.00    3.25
YES
L0007366      0  0.11880E-05  471410.1 3752187.0  525.0    3.49    4.00    3.25
YES

```

```

*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***          10/07/22
*** AERMET - VERSION 16216 ***
***                                     ***          14:46:30

```

PAGE 6


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

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

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION			ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0007367	0	0.11880E-05	471418.6	3752187.1	525.6	3.49	4.00	3.25
YES								
L0007368	0	0.11880E-05	471427.2	3752187.2	526.1	3.49	4.00	3.25
YES								
L0007369	0	0.11880E-05	471435.8	3752187.3	526.6	3.49	4.00	3.25
YES								
L0007370	0	0.11880E-05	471444.4	3752187.4	527.1	3.49	4.00	3.25
YES								
L0007371	0	0.11880E-05	471453.0	3752187.5	527.6	3.49	4.00	3.25
YES								
L0007372	0	0.11880E-05	471461.6	3752187.6	527.9	3.49	4.00	3.25
YES								
L0007373	0	0.11880E-05	471470.2	3752187.7	528.0	3.49	4.00	3.25
YES								
L0007374	0	0.11880E-05	471478.8	3752187.8	528.0	3.49	4.00	3.25
YES								
L0007375	0	0.11880E-05	471487.4	3752187.8	528.1	3.49	4.00	3.25
YES								
L0007376	0	0.11880E-05	471495.9	3752187.9	528.2	3.49	4.00	3.25
YES								
L0007377	0	0.11880E-05	471504.5	3752188.0	528.3	3.49	4.00	3.25
YES								
L0007378	0	0.11880E-05	471513.1	3752188.1	528.4	3.49	4.00	3.25



YES								
L0007379	0	0.11880E-05	471521.7	3752188.2	528.4	3.49	4.00	3.25
YES								
L0007380	0	0.11880E-05	471530.3	3752188.3	528.0	3.49	4.00	3.25
YES								
L0007381	0	0.11880E-05	471538.9	3752188.4	527.6	3.49	4.00	3.25
YES								
L0007382	0	0.11880E-05	471547.5	3752188.5	527.3	3.49	4.00	3.25
YES								
L0007383	0	0.11880E-05	471556.1	3752188.6	526.8	3.49	4.00	3.25
YES								
L0007384	0	0.11880E-05	471564.7	3752188.6	526.2	3.49	4.00	3.25
YES								
L0007385	0	0.11880E-05	471573.3	3752188.7	525.6	3.49	4.00	3.25
YES								
L0007386	0	0.11880E-05	471581.8	3752188.8	525.3	3.49	4.00	3.25
YES								
L0007387	0	0.11880E-05	471590.4	3752188.9	525.5	3.49	4.00	3.25
YES								
L0007388	0	0.11880E-05	471599.0	3752189.0	525.8	3.49	4.00	3.25
YES								
L0007389	0	0.11880E-05	471607.6	3752189.1	526.1	3.49	4.00	3.25
YES								
L0007390	0	0.11880E-05	471616.2	3752189.2	526.3	3.49	4.00	3.25
YES								
L0007391	0	0.11880E-05	471624.8	3752189.3	526.4	3.49	4.00	3.25
YES								
L0007392	0	0.11880E-05	471633.4	3752189.4	526.5	3.49	4.00	3.25
YES								
L0007393	0	0.11880E-05	471642.0	3752189.4	526.6	3.49	4.00	3.25
YES								
L0007394	0	0.11880E-05	471650.6	3752189.5	526.6	3.49	4.00	3.25
YES								
L0007395	0	0.11880E-05	471659.1	3752189.6	526.6	3.49	4.00	3.25
YES								
L0007396	0	0.11880E-05	471667.7	3752189.7	526.6	3.49	4.00	3.25
YES								
L0007397	0	0.11880E-05	471676.3	3752189.8	526.4	3.49	4.00	3.25
YES								
L0007398	0	0.11880E-05	471684.9	3752189.9	526.3	3.49	4.00	3.25
YES								
L0007399	0	0.11880E-05	471693.5	3752190.0	526.1	3.49	4.00	3.25
YES								
L0007400	0	0.11880E-05	471702.1	3752190.1	525.8	3.49	4.00	3.25
YES								
L0007401	0	0.11880E-05	471710.7	3752190.2	525.3	3.49	4.00	3.25
YES								
L0007402	0	0.11880E-05	471256.8	3751969.0	522.4	3.49	4.00	3.25
YES								
L0007403	0	0.11880E-05	471265.3	3751969.2	521.9	3.49	4.00	3.25
YES								
L0007404	0	0.11880E-05	471273.9	3751969.3	521.4	3.49	4.00	3.25
YES								
L0007405	0	0.11880E-05	471282.5	3751969.4	521.2	3.49	4.00	3.25
YES								
L0007406	0	0.11880E-05	471291.1	3751969.5	521.5	3.49	4.00	3.25
YES								

 \*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*

\*\*\* 14:46:30


PAGE 7

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

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

SOURCE	NUMBER URBAN PART.	EMISSION RATE (GRAMS/SEC)	EMISSION RATE	RATE	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ
SOURCE ID (METERS)	SCALAR VARY CATS.		X (METERS)	Y (METERS)	(METERS)	(METERS)	(METERS)	
L0007407	0	0.11880E-05	471299.7	3751969.6	521.8	3.49	4.00	3.25
YES								
L0007408	0	0.11880E-05	471308.3	3751969.7	522.1	3.49	4.00	3.25
YES								
L0007409	0	0.11880E-05	471316.9	3751969.8	522.3	3.49	4.00	3.25
YES								
L0007410	0	0.11880E-05	471325.5	3751969.9	522.6	3.49	4.00	3.25
YES								
L0007411	0	0.11880E-05	471334.1	3751970.0	522.9	3.49	4.00	3.25
YES								
L0007412	0	0.11880E-05	471342.7	3751970.1	523.2	3.49	4.00	3.25
YES								
L0007413	0	0.11880E-05	471351.2	3751970.2	523.5	3.49	4.00	3.25
YES								
L0007414	0	0.11880E-05	471359.8	3751970.3	523.9	3.49	4.00	3.25
YES								
L0007415	0	0.11880E-05	471368.4	3751970.4	524.2	3.49	4.00	3.25
YES								
L0007416	0	0.11880E-05	471377.0	3751970.5	525.0	3.49	4.00	3.25
YES								
L0007417	0	0.11880E-05	471385.6	3751970.6	525.9	3.49	4.00	3.25
YES								
L0007418	0	0.11880E-05	471394.2	3751970.7	526.7	3.49	4.00	3.25
YES								
L0007419	0	0.11880E-05	471402.8	3751970.8	527.4	3.49	4.00	3.25
YES								
L0007420	0	0.11880E-05	471411.4	3751970.9	527.7	3.49	4.00	3.25
YES								
L0007421	0	0.11880E-05	471420.0	3751971.0	528.0	3.49	4.00	3.25
YES								
L0007422	0	0.11880E-05	471428.5	3751971.2	528.3	3.49	4.00	3.25
YES								
L0007423	0	0.11880E-05	471437.1	3751971.3	528.7	3.49	4.00	3.25
YES								
L0007424	0	0.11880E-05	471445.7	3751971.4	529.2	3.49	4.00	3.25
YES								
L0007425	0	0.11880E-05	471454.3	3751971.5	529.7	3.49	4.00	3.25
YES								
L0007426	0	0.11880E-05	471462.9	3751971.6	530.1	3.49	4.00	3.25
YES								
L0007427	0	0.11880E-05	471471.5	3751971.7	530.3	3.49	4.00	3.25
YES								
L0007428	0	0.11880E-05	471480.1	3751971.8	530.6	3.49	4.00	3.25
YES								
L0007429	0	0.11880E-05	471488.7	3751971.9	530.8	3.49	4.00	3.25
YES								
L0007430	0	0.11880E-05	471497.3	3751972.0	531.0	3.49	4.00	3.25
YES								
L0007431	0	0.11880E-05	471505.9	3751972.1	531.3	3.49	4.00	3.25
YES								
L0007432	0	0.11880E-05	471514.4	3751972.2	531.5	3.49	4.00	3.25
YES								
L0007433	0	0.11880E-05	471523.0	3751972.3	531.9	3.49	4.00	3.25
YES								
L0007434	0	0.11880E-05	471531.6	3751972.4	532.6	3.49	4.00	3.25

YES	L0007435	0	0.11880E-05	471540.2	3751972.5	533.2	3.49	4.00	3.25
YES	L0007436	0	0.11880E-05	471548.8	3751972.6	533.9	3.49	4.00	3.25
YES	L0007437	0	0.11880E-05	471557.4	3751972.7	534.5	3.49	4.00	3.25
YES	L0007438	0	0.11880E-05	471566.0	3751972.8	535.1	3.49	4.00	3.25
YES	L0007439	0	0.11880E-05	471574.6	3751972.9	535.7	3.49	4.00	3.25
YES	L0007440	0	0.11880E-05	471583.2	3751973.0	536.0	3.49	4.00	3.25
YES	L0007441	0	0.11880E-05	471591.7	3751973.1	536.0	3.49	4.00	3.25
YES	L0007442	0	0.11880E-05	471600.3	3751973.3	536.0	3.49	4.00	3.25
YES	L0007443	0	0.11880E-05	471608.9	3751973.4	536.0	3.49	4.00	3.25
YES	L0007444	0	0.11880E-05	471617.5	3751973.5	535.7	3.49	4.00	3.25
YES	L0007445	0	0.11880E-05	471626.1	3751973.6	535.4	3.49	4.00	3.25
YES	L0007446	0	0.11880E-05	471634.7	3751973.7	535.2	3.49	4.00	3.25

 \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 \*\*\*      10/07/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      14:46:30

PAGE 8

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

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

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	CATS.	BY						
L0007447	0	0.11880E-05	471643.3	3751973.8	534.8	3.49	4.00	3.25
YES								
L0007448	0	0.11880E-05	471651.9	3751973.9	534.2	3.49	4.00	3.25
YES								
L0007449	0	0.11880E-05	471660.5	3751974.0	533.6	3.49	4.00	3.25
YES								
L0007450	0	0.11880E-05	471669.0	3751974.1	533.0	3.49	4.00	3.25
YES								
L0007451	0	0.11880E-05	471677.6	3751974.2	532.7	3.49	4.00	3.25
YES								
L0007452	0	0.11880E-05	471686.2	3751974.3	532.4	3.49	4.00	3.25
YES								
L0007453	0	0.11880E-05	471694.8	3751974.4	532.2	3.49	4.00	3.25
YES								
L0007454	0	0.11880E-05	471703.4	3751974.5	531.8	3.49	4.00	3.25
YES								
L0007455	0	0.11880E-05	471712.0	3751974.6	531.5	3.49	4.00	3.25
YES								
L0007456	0	0.17250E-05	471845.0	3752163.1	522.1	3.49	4.00	3.25
YES								
L0007457	0	0.17250E-05	471845.1	3752154.5	522.9	3.49	4.00	3.25

YES								
L0007458	0	0.17250E-05	471845.2	3752145.9	523.8	3.49	4.00	3.25
YES								
L0007459	0	0.17250E-05	471845.2	3752137.3	524.4	3.49	4.00	3.25
YES								
L0007460	0	0.17250E-05	471845.3	3752128.7	525.0	3.49	4.00	3.25
YES								
L0007461	0	0.17250E-05	471845.4	3752120.1	525.6	3.49	4.00	3.25
YES								
L0007462	0	0.17250E-05	471845.5	3752111.5	526.2	3.49	4.00	3.25
YES								
L0007463	0	0.17250E-05	471845.6	3752103.0	526.7	3.49	4.00	3.25
YES								
L0007464	0	0.17250E-05	471845.6	3752094.4	527.3	3.49	4.00	3.25
YES								
L0007465	0	0.17250E-05	471845.7	3752085.8	527.8	3.49	4.00	3.25
YES								
L0007466	0	0.17250E-05	471845.8	3752077.2	528.3	3.49	4.00	3.25
YES								
L0007467	0	0.17250E-05	471845.9	3752068.6	528.9	3.49	4.00	3.25
YES								
L0007468	0	0.17250E-05	471846.0	3752060.0	529.4	3.49	4.00	3.25
YES								
L0007469	0	0.17250E-05	471846.0	3752051.4	530.0	3.49	4.00	3.25
YES								
L0007470	0	0.17250E-05	471846.1	3752042.8	530.5	3.49	4.00	3.25
YES								
L0007471	0	0.17250E-05	471846.2	3752034.2	531.1	3.49	4.00	3.25
YES								
L0007472	0	0.17250E-05	471846.3	3752025.7	531.7	3.49	4.00	3.25
YES								
L0007473	0	0.17250E-05	471846.4	3752017.1	532.5	3.49	4.00	3.25
YES								
L0007474	0	0.17250E-05	471846.5	3752008.5	533.3	3.49	4.00	3.25
YES								
L0007475	0	0.17250E-05	471846.5	3751999.9	534.2	3.49	4.00	3.25
YES								
L0007476	0	0.17250E-05	471846.6	3751991.3	534.7	3.49	4.00	3.25
YES								
L0007477	0	0.56830E-06	471848.4	3751803.7	539.0	3.49	4.00	3.25
YES								
L0007478	0	0.56830E-06	471848.4	3751795.1	539.0	3.49	4.00	3.25
YES								
L0007479	0	0.56830E-06	471848.5	3751786.5	539.0	3.49	4.00	3.25
YES								
L0007480	0	0.56830E-06	471848.6	3751778.0	539.0	3.49	4.00	3.25
YES								
L0007481	0	0.56830E-06	471848.6	3751769.4	539.0	3.49	4.00	3.25
YES								
L0007482	0	0.56830E-06	471848.7	3751760.8	539.0	3.49	4.00	3.25
YES								
L0007483	0	0.56830E-06	471848.8	3751752.2	539.0	3.49	4.00	3.25
YES								
L0007484	0	0.56830E-06	471848.8	3751743.6	539.0	3.49	4.00	3.25
YES								
L0007485	0	0.56830E-06	471848.9	3751735.0	539.0	3.49	4.00	3.25
YES								
L0007486	0	0.56830E-06	471849.0	3751726.4	539.0	3.49	4.00	3.25
YES								

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

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

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	CATS.	BY					
L0007487	0	0.56830E-06	471849.0	3751717.8	539.0	3.49	4.00	3.25
YES								
L0007488	0	0.56830E-06	471849.1	3751709.2	539.0	3.49	4.00	3.25
YES								
L0007489	0	0.56830E-06	471849.1	3751700.6	539.0	3.49	4.00	3.25
YES								
L0007490	0	0.48610E-06	471495.3	3751414.3	533.3	3.49	4.00	3.25
YES								
L0007491	0	0.48610E-06	471495.4	3751405.7	533.0	3.49	4.00	3.25
YES								
L0007492	0	0.48610E-06	471495.5	3751397.2	532.8	3.49	4.00	3.25
YES								
L0007493	0	0.48610E-06	471495.5	3751388.6	532.3	3.49	4.00	3.25
YES								
L0007494	0	0.48610E-06	471495.6	3751380.0	531.7	3.49	4.00	3.25
YES								
L0007495	0	0.48610E-06	471495.7	3751371.4	531.1	3.49	4.00	3.25
YES								
L0007496	0	0.48610E-06	471495.8	3751362.8	530.7	3.49	4.00	3.25
YES								
L0007497	0	0.48610E-06	471495.9	3751354.2	530.4	3.49	4.00	3.25
YES								
L0007498	0	0.48610E-06	471496.0	3751345.6	530.1	3.49	4.00	3.25
YES								
L0007499	0	0.48610E-06	471496.1	3751337.0	529.8	3.49	4.00	3.25
YES								
L0007500	0	0.48610E-06	471496.2	3751328.4	529.3	3.49	4.00	3.25
YES								
L0007501	0	0.48610E-06	471496.3	3751319.8	528.9	3.49	4.00	3.25
YES								
L0007502	0	0.48610E-06	471496.4	3751311.3	528.5	3.49	4.00	3.25
YES								
L0007503	0	0.48610E-06	471496.4	3751302.7	528.2	3.49	4.00	3.25
YES								
L0007504	0	0.48610E-06	471496.5	3751294.1	528.2	3.49	4.00	3.25
YES								
L0007505	0	0.48610E-06	471496.6	3751285.5	528.2	3.49	4.00	3.25
YES								
L0007506	0	0.48610E-06	471496.7	3751276.9	528.2	3.49	4.00	3.25
YES								
L0007507	0	0.48610E-06	471496.8	3751268.3	528.0	3.49	4.00	3.25
YES								
L0007508	0	0.48610E-06	471496.9	3751259.7	527.7	3.49	4.00	3.25
YES								
L0007509	0	0.48610E-06	471394.9	3751414.3	536.7	3.49	4.00	3.25
YES								
L0007510	0	0.48610E-06	471395.0	3751405.7	536.5	3.49	4.00	3.25
YES								
L0007511	0	0.48610E-06	471395.1	3751397.2	536.2	3.49	4.00	3.25
YES								
L0007512	0	0.48610E-06	471395.2	3751388.6	535.6	3.49	4.00	3.25
YES								
L0007513	0	0.48610E-06	471395.2	3751380.0	534.9	3.49	4.00	3.25

```

YES
L0007514      0  0.48610E-06  471395.3 3751371.4  534.3   3.49   4.00   3.25
YES
L0007515      0  0.48610E-06  471395.4 3751362.8  533.5   3.49   4.00   3.25
YES
L0007516      0  0.48610E-06  471395.5 3751354.2  532.3   3.49   4.00   3.25
YES
L0007517      0  0.48610E-06  471395.6 3751345.6  531.2   3.49   4.00   3.25
YES
L0007518      0  0.48610E-06  471395.7 3751337.0  530.0   3.49   4.00   3.25
YES
L0007519      0  0.48610E-06  471395.8 3751328.4  529.4   3.49   4.00   3.25
YES
L0007520      0  0.48610E-06  471395.9 3751319.8  528.9   3.49   4.00   3.25
YES
L0007521      0  0.48610E-06  471396.0 3751311.3  528.3   3.49   4.00   3.25
YES
L0007522      0  0.48610E-06  471396.0 3751302.7  527.7   3.49   4.00   3.25
YES
L0007523      0  0.48610E-06  471396.1 3751294.1  527.2   3.49   4.00   3.25
YES
L0007524      0  0.48610E-06  471396.2 3751285.5  526.6   3.49   4.00   3.25
YES
L0007525      0  0.48610E-06  471396.3 3751276.9  526.0   3.49   4.00   3.25
YES
L0007526      0  0.48610E-06  471396.4 3751268.3  525.5   3.49   4.00   3.25
YES

```

```

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/07/22
*** AERMET - VERSION 16216 ***
***
*** 14:46:30

```

PAGE 10

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

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

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE		ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		X	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0007527	0	0.48610E-06	471396.5	3751259.7	524.9	3.49	4.00	3.25
YES								
L0007528	0	0.71040E-06	471160.4	3752325.6	513.0	3.49	4.00	3.25
YES								
L0007529	0	0.71040E-06	471169.0	3752325.7	513.0	3.49	4.00	3.25
YES								
L0007530	0	0.71040E-06	471177.6	3752325.9	513.0	3.49	4.00	3.25
YES								
L0007531	0	0.71040E-06	471186.1	3752326.0	513.0	3.49	4.00	3.25
YES								
L0007532	0	0.71040E-06	471194.7	3752326.1	513.0	3.49	4.00	3.25
YES								
L0007533	0	0.71040E-06	471203.3	3752326.3	513.0	3.49	4.00	3.25
YES								
L0007534	0	0.71040E-06	471211.9	3752326.4	513.0	3.49	4.00	3.25
YES								
L0007535	0	0.71040E-06	471220.5	3752326.5	513.0	3.49	4.00	3.25
YES								
L0007536	0	0.71040E-06	471229.1	3752326.7	512.7	3.49	4.00	3.25

YES								
L0007537	0	0.71040E-06	471237.7	3752326.8	512.4	3.49	4.00	3.25
YES								
L0007538	0	0.71040E-06	471246.3	3752326.9	512.1	3.49	4.00	3.25
YES								
L0007539	0	0.71040E-06	471254.9	3752327.1	512.1	3.49	4.00	3.25
YES								
L0007540	0	0.71040E-06	471263.5	3752327.2	512.4	3.49	4.00	3.25
YES								
L0007541	0	0.71040E-06	471397.4	3752327.3	512.1	3.49	4.00	3.25
YES								
L0007542	0	0.71040E-06	471406.0	3752327.4	512.2	3.49	4.00	3.25
YES								
L0007543	0	0.71040E-06	471414.6	3752327.6	512.5	3.49	4.00	3.25
YES								
L0007544	0	0.71040E-06	471423.2	3752327.7	512.8	3.49	4.00	3.25
YES								
L0007545	0	0.71040E-06	471431.8	3752327.8	513.3	3.49	4.00	3.25
YES								
L0007546	0	0.71040E-06	471440.4	3752328.0	514.7	3.49	4.00	3.25
YES								
L0007547	0	0.71040E-06	471449.0	3752328.1	516.1	3.49	4.00	3.25
YES								
L0007548	0	0.71040E-06	471457.6	3752328.2	517.5	3.49	4.00	3.25
YES								
L0007549	0	0.71040E-06	471466.2	3752328.4	518.3	3.49	4.00	3.25
YES								
L0007550	0	0.71040E-06	471474.7	3752328.5	518.9	3.49	4.00	3.25
YES								
L0007551	0	0.71040E-06	471483.3	3752328.6	519.5	3.49	4.00	3.25
YES								
L0007552	0	0.71040E-06	471491.9	3752328.7	519.9	3.49	4.00	3.25
YES								
L0007553	0	0.71040E-06	471500.5	3752328.9	519.9	3.49	4.00	3.25
YES								
L0007554	0	0.13930E-05	472046.0	3751992.4	524.1	3.49	4.00	3.25
YES								
L0007555	0	0.13930E-05	472045.9	3752001.0	524.5	3.49	4.00	3.25
YES								
L0007556	0	0.13930E-05	472045.8	3752009.6	524.8	3.49	4.00	3.25
YES								
L0007557	0	0.13930E-05	472045.8	3752018.2	525.1	3.49	4.00	3.25
YES								
L0007558	0	0.13930E-05	472045.7	3752026.7	525.4	3.49	4.00	3.25
YES								
L0007559	0	0.13930E-05	472045.6	3752035.3	525.4	3.49	4.00	3.25
YES								
L0007560	0	0.13930E-05	472045.5	3752043.9	525.4	3.49	4.00	3.25
YES								
L0007561	0	0.13930E-05	472045.5	3752052.5	525.4	3.49	4.00	3.25
YES								
L0007562	0	0.13930E-05	472045.4	3752061.1	525.5	3.49	4.00	3.25
YES								
L0007563	0	0.13930E-05	472045.3	3752069.7	525.6	3.49	4.00	3.25
YES								
L0007564	0	0.13930E-05	472045.3	3752078.3	525.8	3.49	4.00	3.25
YES								
L0007565	0	0.13930E-05	472045.2	3752086.9	526.0	3.49	4.00	3.25
YES								
L0007566	0	0.13930E-05	472045.1	3752095.5	525.8	3.49	4.00	3.25
YES								

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

14:46:30

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

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

SOURCE	NUMBER	EMISSION	RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	SCALAR VARY	CATS.	BY						
L0007567	0	0.13930E-05		472045.0	3752104.1	525.7	3.49	4.00	3.25
YES									
L0007568	0	0.13930E-05		472045.0	3752112.6	525.5	3.49	4.00	3.25
YES									
L0007569	0	0.13930E-05		472044.9	3752121.2	525.3	3.49	4.00	3.25
YES									
L0007570	0	0.13930E-05		472044.8	3752129.8	524.8	3.49	4.00	3.25
YES									
L0007571	0	0.13930E-05		472044.8	3752138.4	524.4	3.49	4.00	3.25
YES									
L0007572	0	0.13930E-05		472044.7	3752147.0	524.0	3.49	4.00	3.25
YES									
L0007573	0	0.13930E-05		472044.6	3752155.6	523.5	3.49	4.00	3.25
YES									
L0007574	0	0.13930E-05		472044.6	3752164.2	523.1	3.49	4.00	3.25
YES									
L0007575	0	0.13930E-05		472044.5	3752172.8	522.7	3.49	4.00	3.25
YES									
L0007576	0	0.13930E-05		472044.4	3752181.4	522.3	3.49	4.00	3.25
YES									
L0007577	0	0.13930E-05		472044.3	3752189.9	521.8	3.49	4.00	3.25
YES									
L0007578	0	0.13930E-05		472044.3	3752198.5	521.4	3.49	4.00	3.25
YES									
L0007579	0	0.13930E-05		472044.2	3752207.1	521.0	3.49	4.00	3.25
YES									
L0007580	0	0.65480E-06		471632.2	3752328.9	517.7	3.49	4.00	3.25
YES									
L0007581	0	0.65480E-06		471640.7	3752328.9	517.7	3.49	4.00	3.25
YES									
L0007582	0	0.65480E-06		471649.3	3752329.0	518.0	3.49	4.00	3.25
YES									
L0007583	0	0.65480E-06		471657.9	3752329.0	518.3	3.49	4.00	3.25
YES									
L0007584	0	0.65480E-06		471666.5	3752329.1	518.6	3.49	4.00	3.25
YES									
L0007585	0	0.65480E-06		471675.1	3752329.1	518.6	3.49	4.00	3.25
YES									
L0007586	0	0.65480E-06		471683.7	3752329.2	518.3	3.49	4.00	3.25
YES									
L0007587	0	0.65480E-06		471692.3	3752329.2	518.0	3.49	4.00	3.25
YES									
L0007588	0	0.65480E-06		471700.9	3752329.3	517.8	3.49	4.00	3.25
YES									
L0007589	0	0.65480E-06		471709.5	3752329.3	517.8	3.49	4.00	3.25
YES									
L0007590	0	0.65480E-06		471718.1	3752329.4	517.8	3.49	4.00	3.25
YES									
L0007591	0	0.43980E-06		471877.8	3752330.7	515.7	3.49	4.00	3.25
YES									
L0007592	0	0.43980E-06		471886.4	3752330.7	515.9	3.49	4.00	3.25



YES	L0007593	0	0.43980E-06	471895.0	3752330.8	515.9	3.49	4.00	3.25
YES	L0007594	0	0.43980E-06	471903.6	3752330.9	515.9	3.49	4.00	3.25
YES	L0007595	0	0.43980E-06	471912.2	3752330.9	515.8	3.49	4.00	3.25
YES	L0007596	0	0.43980E-06	471920.7	3752331.0	515.5	3.49	4.00	3.25
YES	L0007597	0	0.43980E-06	471929.3	3752331.0	515.2	3.49	4.00	3.25
YES	L0007598	0	0.43980E-06	471937.9	3752331.1	514.9	3.49	4.00	3.25
YES	L0007599	0	0.43980E-06	471946.5	3752331.1	515.0	3.49	4.00	3.25
YES	L0007600	0	0.43980E-06	471955.1	3752331.2	515.3	3.49	4.00	3.25
YES	L0007601	0	0.43980E-06	471963.7	3752331.3	515.5	3.49	4.00	3.25
YES	L0007602	0	0.43980E-06	471972.3	3752331.3	515.4	3.49	4.00	3.25
YES	L0007603	0	0.43980E-06	471980.9	3752331.4	514.6	3.49	4.00	3.25
YES	L0007604	0	0.43980E-06	471989.5	3752331.4	513.8	3.49	4.00	3.25
YES	L0007605	0	0.43980E-06	471998.1	3752331.5	513.0	3.49	4.00	3.25
YES	L0007606	0	0.43980E-06	472006.6	3752331.5	512.6	3.49	4.00	3.25

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 12

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

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

SOURCE	NUMBER	EMISSION	RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE			ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		X	Y	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	CATS.								
L0007607	0	0.43980E-06	472015.2	3752331.6	512.2	3.49	4.00	3.25	
YES									
L0007608	0	0.43980E-06	472023.8	3752331.7	511.9	3.49	4.00	3.25	
YES									
L0007609	0	0.43980E-06	472032.4	3752331.7	511.4	3.49	4.00	3.25	
YES									
L0007610	0	0.43980E-06	472041.0	3752331.8	510.4	3.49	4.00	3.25	
YES									
L0007611	0	0.43980E-06	472049.6	3752331.8	509.5	3.49	4.00	3.25	
YES									
L0007612	0	0.33770E-06	471072.4	3752163.8	510.5	3.49	4.00	3.25	
YES									
L0007613	0	0.33770E-06	471072.4	3752172.4	509.7	3.49	4.00	3.25	
YES									
L0007614	0	0.33770E-06	471072.3	3752181.0	509.1	3.49	4.00	3.25	
YES									
L0007615	0	0.33770E-06	471072.2	3752189.5	508.8	3.49	4.00	3.25	

YES								
L0007616	0	0.33770E-06	471072.2	3752198.1	508.5	3.49	4.00	3.25
YES								
L0007617	0	0.33770E-06	471072.1	3752206.7	508.2	3.49	4.00	3.25
YES								
L0007618	0	0.33770E-06	471072.1	3752215.3	508.4	3.49	4.00	3.25
YES								
L0007619	0	0.33770E-06	471072.0	3752223.9	508.7	3.49	4.00	3.25
YES								
L0007620	0	0.33770E-06	471071.9	3752232.5	508.9	3.49	4.00	3.25
YES								
L0007621	0	0.33770E-06	471071.9	3752241.1	508.9	3.49	4.00	3.25
YES								
L0007622	0	0.33770E-06	471071.8	3752249.7	508.7	3.49	4.00	3.25
YES								
L0007623	0	0.33770E-06	471071.8	3752258.3	508.5	3.49	4.00	3.25
YES								
L0007624	0	0.33770E-06	471071.7	3752266.9	508.2	3.49	4.00	3.25
YES								
L0007625	0	0.49270E-06	471009.6	3751969.2	512.1	3.49	4.00	3.25
YES								
L0007626	0	0.49270E-06	471012.8	3751977.2	512.5	3.49	4.00	3.25
YES								
L0007627	0	0.49270E-06	471016.0	3751985.2	512.8	3.49	4.00	3.25
YES								
L0007628	0	0.49270E-06	471019.1	3751993.1	513.2	3.49	4.00	3.25
YES								
L0007629	0	0.49270E-06	471022.3	3752001.1	513.6	3.49	4.00	3.25
YES								
L0007630	0	0.49270E-06	471025.5	3752009.1	513.9	3.49	4.00	3.25
YES								
L0007631	0	0.49270E-06	471028.7	3752017.1	514.3	3.49	4.00	3.25
YES								
L0007632	0	0.58680E-06	471015.2	3751738.2	516.7	3.49	4.00	3.25
YES								
L0007633	0	0.58680E-06	471015.2	3751746.8	516.4	3.49	4.00	3.25
YES								
L0007634	0	0.58680E-06	471015.2	3751755.4	516.0	3.49	4.00	3.25
YES								
L0007635	0	0.58680E-06	471015.2	3751764.0	515.9	3.49	4.00	3.25
YES								
L0007636	0	0.58680E-06	471015.2	3751772.6	515.8	3.49	4.00	3.25
YES								
L0007637	0	0.58680E-06	471015.2	3751781.2	515.7	3.49	4.00	3.25
YES								
L0007638	0	0.58680E-06	471015.2	3751789.7	515.7	3.49	4.00	3.25
YES								
L0007639	0	0.58680E-06	471015.2	3751798.3	515.9	3.49	4.00	3.25
YES								
L0007640	0	0.58680E-06	471015.2	3751806.9	516.0	3.49	4.00	3.25
YES								
L0007641	0	0.58680E-06	471015.2	3751815.5	516.2	3.49	4.00	3.25
YES								
L0007642	0	0.43900E-06	471016.0	3751599.6	520.0	3.49	4.00	3.25
YES								
L0007643	0	0.43900E-06	471016.0	3751608.2	519.7	3.49	4.00	3.25
YES								
L0007644	0	0.43900E-06	471016.0	3751616.7	520.0	3.49	4.00	3.25
YES								
L0007645	0	0.43900E-06	471016.0	3751625.3	520.3	3.49	4.00	3.25
YES								
L0007646	0	0.43900E-06	471016.0	3751633.9	520.6	3.49	4.00	3.25
YES								

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

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

SOURCE	NUMBER URBAN PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)
L0007647	0	0.43900E-06	471016.0	3751642.5	520.6	3.49	4.00	3.25
YES								
L0007648	0	0.43900E-06	471016.0	3751651.1	520.5	3.49	4.00	3.25
YES								
L0007649	0	0.43900E-06	471016.0	3751659.7	520.5	3.49	4.00	3.25
YES								
L0007650	0	0.43900E-06	471016.0	3751668.3	520.4	3.49	4.00	3.25
YES								
L0007651	0	0.43900E-06	471016.0	3751676.9	519.9	3.49	4.00	3.25
YES								
L0007652	0	0.35190E-06	471161.1	3751437.8	525.4	3.49	4.00	3.25
YES								
L0007653	0	0.35190E-06	471161.1	3751429.2	525.1	3.49	4.00	3.25
YES								
L0007654	0	0.35190E-06	471161.1	3751420.7	524.9	3.49	4.00	3.25
YES								
L0007655	0	0.35190E-06	471161.1	3751412.1	524.6	3.49	4.00	3.25
YES								
L0007656	0	0.35190E-06	471161.1	3751403.5	524.3	3.49	4.00	3.25
YES								
L0007657	0	0.35190E-06	471161.1	3751394.9	524.2	3.49	4.00	3.25
YES								
L0007658	0	0.35190E-06	471161.1	3751386.3	524.4	3.49	4.00	3.25
YES								
L0007659	0	0.35190E-06	471161.1	3751377.7	524.7	3.49	4.00	3.25
YES								
L0007660	0	0.35190E-06	471161.1	3751369.1	525.0	3.49	4.00	3.25
YES								
L0007661	0	0.35190E-06	471161.1	3751360.5	524.9	3.49	4.00	3.25
YES								
L0007662	0	0.35190E-06	471161.1	3751351.9	524.6	3.49	4.00	3.25
YES								
L0007663	0	0.35190E-06	471161.1	3751343.3	524.3	3.49	4.00	3.25
YES								
L0007664	0	0.35190E-06	471161.1	3751334.8	524.0	3.49	4.00	3.25
YES								
L0007665	0	0.35190E-06	471161.1	3751326.2	523.8	3.49	4.00	3.25
YES								
L0007666	0	0.78650E-06	471776.0	3751890.3	534.9	3.49	6.51	3.25
YES								
L0007667	0	0.78650E-06	471762.0	3751890.2	534.7	3.49	6.51	3.25
YES								
L0007668	0	0.78650E-06	471748.0	3751890.0	535.2	3.49	6.51	3.25
YES								
L0007669	0	0.78650E-06	471734.0	3751889.9	535.8	3.49	6.51	3.25
YES								
L0007670	0	0.78650E-06	471720.0	3751889.8	536.0	3.49	6.51	3.25
YES								
L0007671	0	0.78650E-06	471706.0	3751889.7	536.0	3.49	6.51	3.25

YES								
L0007672	0	0.78650E-06	471692.0	3751889.6	536.0	3.49	6.51	3.25
YES								
L0007673	0	0.78650E-06	471678.0	3751889.5	536.0	3.49	6.51	3.25
YES								
L0007674	0	0.78650E-06	471664.0	3751889.3	536.0	3.49	6.51	3.25
YES								
L0007675	0	0.78650E-06	471650.0	3751889.2	536.0	3.49	6.51	3.25
YES								
L0007676	0	0.78650E-06	471636.0	3751889.1	536.0	3.49	6.51	3.25
YES								
L0007677	0	0.78650E-06	471622.0	3751889.0	536.0	3.49	6.51	3.25
YES								
L0007678	0	0.78650E-06	471608.0	3751888.9	536.0	3.49	6.51	3.25
YES								
L0007679	0	0.78650E-06	471594.0	3751888.7	536.0	3.49	6.51	3.25
YES								
L0007680	0	0.78650E-06	471580.0	3751888.6	536.0	3.49	6.51	3.25
YES								
L0007681	0	0.78650E-06	471566.0	3751888.5	535.4	3.49	6.51	3.25
YES								
L0007682	0	0.78650E-06	471552.0	3751888.4	534.7	3.49	6.51	3.25
YES								
L0007683	0	0.78650E-06	471538.0	3751888.3	533.6	3.49	6.51	3.25
YES								
L0007684	0	0.78650E-06	471524.0	3751888.2	532.4	3.49	6.51	3.25
YES								
L0007685	0	0.78650E-06	471510.0	3751888.0	531.5	3.49	6.51	3.25
YES								
L0007686	0	0.78650E-06	471496.0	3751887.9	530.7	3.49	6.51	3.25
YES								

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 14

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

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

SOURCE	NUMBER	EMISSION	RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE			ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		X	Y	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	CATS.								
L0007687	0	0.78650E-06	471482.0	3751887.8		529.9	3.49	6.51	3.25
YES									
L0007688	0	0.78650E-06	471468.0	3751887.7		528.9	3.49	6.51	3.25
YES									
L0007689	0	0.78650E-06	471454.0	3751887.6		528.2	3.49	6.51	3.25
YES									
L0007690	0	0.78650E-06	471440.0	3751887.4		527.7	3.49	6.51	3.25
YES									
L0007691	0	0.78650E-06	471426.0	3751887.3		527.1	3.49	6.51	3.25
YES									
L0007692	0	0.78650E-06	471412.0	3751887.2		526.0	3.49	6.51	3.25
YES									
L0007693	0	0.78650E-06	471398.0	3751887.1		524.9	3.49	6.51	3.25
YES									
L0007694	0	0.78650E-06	471384.0	3751887.0		524.5	3.49	6.51	3.25

YES								
L0007695	0	0.78650E-06	471370.0	3751886.8	524.0	3.49	6.51	3.25
YES								
L0007696	0	0.78650E-06	471356.0	3751886.7	523.5	3.49	6.51	3.25
YES								
L0007697	0	0.78650E-06	471342.0	3751886.6	523.1	3.49	6.51	3.25
YES								
L0007698	0	0.78650E-06	471328.0	3751886.5	522.9	3.49	6.51	3.25
YES								
L0007699	0	0.78650E-06	471314.0	3751886.4	522.7	3.49	6.51	3.25
YES								
L0007700	0	0.78650E-06	471300.0	3751886.3	522.7	3.49	6.51	3.25
YES								
L0007701	0	0.78650E-06	471286.0	3751886.1	522.6	3.49	6.51	3.25
YES								
L0007702	0	0.78650E-06	471272.0	3751886.0	523.0	3.49	6.51	3.25
YES								
L0007703	0	0.78650E-06	471258.0	3751885.9	523.6	3.49	6.51	3.25
YES								
L0007704	0	0.78650E-06	471244.0	3751885.8	524.2	3.49	6.51	3.25
YES								
L0007705	0	0.78650E-06	471230.0	3751885.7	524.6	3.49	6.51	3.25
YES								
L0007706	0	0.78650E-06	471216.0	3751885.5	525.0	3.49	6.51	3.25
YES								
L0007707	0	0.78650E-06	471202.0	3751885.4	525.0	3.49	6.51	3.25
YES								
L0007708	0	0.78650E-06	471188.0	3751885.3	524.9	3.49	6.51	3.25
YES								
L0007709	0	0.78650E-06	471174.0	3751885.2	524.5	3.49	6.51	3.25
YES								
L0007710	0	0.78650E-06	471160.0	3751885.1	524.0	3.49	6.51	3.25
YES								
L0007711	0	0.78650E-06	471146.0	3751885.0	522.2	3.49	6.51	3.25
YES								
L0007712	0	0.78650E-06	471132.0	3751884.8	520.3	3.49	6.51	3.25
YES								
L0007713	0	0.78650E-06	471118.0	3751884.7	518.9	3.49	6.51	3.25
YES								
L0007714	0	0.78650E-06	471104.0	3751884.6	517.7	3.49	6.51	3.25
YES								
L0007715	0	0.78650E-06	471090.0	3751884.5	516.1	3.49	6.51	3.25
YES								
L0007716	0	0.78650E-06	471076.0	3751884.4	514.3	3.49	6.51	3.25
YES								
L0007717	0	0.19540E-05	471790.0	3751890.8	535.1	3.49	6.51	3.25
YES								
L0007718	0	0.19540E-05	471804.0	3751891.0	535.5	3.49	6.51	3.25
YES								
L0007719	0	0.19540E-05	471818.0	3751891.2	535.9	3.49	6.51	3.25
YES								
L0007720	0	0.19540E-05	471832.0	3751891.4	536.4	3.49	6.51	3.25
YES								
L0007721	0	0.19540E-05	471846.0	3751891.6	536.9	3.49	6.51	3.25
YES								
L0007722	0	0.19540E-05	471860.0	3751891.8	537.0	3.49	6.51	3.25
YES								
L0007723	0	0.19540E-05	471874.0	3751892.0	537.0	3.49	6.51	3.25
YES								
L0007724	0	0.19540E-05	471888.0	3751892.2	536.6	3.49	6.51	3.25
YES								
L0007725	0	0.19540E-05	471902.0	3751892.4	535.9	3.49	6.51	3.25
YES								
L0007726	0	0.19540E-05	471916.0	3751892.5	534.9	3.49	6.51	3.25
YES								

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

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

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.	
SOURCE	URBAN	EMISSION	RATE		ELEV.	HEIGHT	SY	SZ	
ID	PART.	(GRAMS/SEC)		X					
(METERS)	CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
L0007727	0	0.19540E-05		471930.0	3751892.7	533.7	3.49	6.51	3.25
YES									
L0007728	0	0.19540E-05		471944.0	3751892.3	532.5	3.49	6.51	3.25
YES									
L0007729	0	0.19540E-05		471957.9	3751891.2	531.2	3.49	6.51	3.25
YES									
L0007730	0	0.19540E-05		471971.8	3751889.8	530.2	3.49	6.51	3.25
YES									
L0007731	0	0.19540E-05		471985.7	3751887.7	530.8	3.49	6.51	3.25
YES									
L0007732	0	0.19540E-05		471999.6	3751885.7	531.4	3.49	6.51	3.25
YES									
L0007733	0	0.19540E-05		472013.4	3751883.7	531.3	3.49	6.51	3.25
YES									
L0007734	0	0.19540E-05		472027.3	3751881.6	531.0	3.49	6.51	3.25
YES									
L0007735	0	0.19540E-05		472040.8	3751877.9	530.6	3.49	6.51	3.25
YES									
L0007736	0	0.19540E-05		472054.2	3751874.1	530.3	3.49	6.51	3.25
YES									
L0007737	0	0.19540E-05		472067.7	3751870.2	530.4	3.49	6.51	3.25
YES									
L0007738	0	0.19540E-05		472081.1	3751866.3	530.4	3.49	6.51	3.25
YES									
L0007739	0	0.19540E-05		472094.6	3751862.5	530.2	3.49	6.51	3.25
YES									
L0007740	0	0.19540E-05		472108.0	3751858.6	529.6	3.49	6.51	3.25
YES									
L0007741	0	0.19540E-05		472121.5	3751854.7	528.7	3.49	6.51	3.25
YES									
L0007742	0	0.19540E-05		472134.9	3751850.9	526.1	3.49	6.51	3.25
YES									
L0007743	0	0.19540E-05		472148.6	3751847.8	523.3	3.49	6.51	3.25
YES									
L0007744	0	0.19540E-05		472162.3	3751845.1	521.0	3.49	6.51	3.25
YES									
L0007745	0	0.19540E-05		472176.1	3751842.4	519.0	3.49	6.51	3.25
YES									
L0007746	0	0.19540E-05		472189.8	3751839.6	518.4	3.49	6.51	3.25
YES									
L0007747	0	0.19540E-05		472203.7	3751838.5	518.2	3.49	6.51	3.25
YES									
L0007748	0	0.19540E-05		472217.7	3751837.5	518.3	3.49	6.51	3.25
YES									
L0007749	0	0.19540E-05		472231.7	3751836.4	518.6	3.49	6.51	3.25
YES									
L0007750	0	0.19540E-05		472245.6	3751835.3	517.9	3.49	6.51	3.25

YES	L0007751	0	0.19540E-05	472259.6	3751835.5	515.8	3.49	6.51	3.25
YES	L0007752	0	0.19540E-05	472273.5	3751836.4	513.8	3.49	6.51	3.25
YES	L0007753	0	0.19540E-05	472287.5	3751837.3	512.7	3.49	6.51	3.25
YES	L0007754	0	0.19540E-05	472301.5	3751838.2	511.8	3.49	6.51	3.25
YES	L0007755	0	0.19540E-05	472315.5	3751839.2	511.2	3.49	6.51	3.25
YES	L0007756	0	0.19540E-05	472329.4	3751840.1	510.7	3.49	6.51	3.25
YES	L0007757	0	0.19540E-05	472343.4	3751841.0	508.7	3.49	6.51	3.25
YES	L0007758	0	0.19540E-05	472357.4	3751841.9	506.8	3.49	6.51	3.25
YES	L0007759	0	0.19540E-05	472371.3	3751842.9	505.9	3.49	6.51	3.25
YES	L0007760	0	0.19540E-05	472385.3	3751843.8	505.4	3.49	6.51	3.25
YES	L0007761	0	0.19540E-05	472399.3	3751844.9	505.1	3.49	6.51	3.25
YES	L0007762	0	0.19540E-05	472413.2	3751846.1	505.0	3.49	6.51	3.25
YES	L0007763	0	0.19540E-05	472427.2	3751847.2	505.2	3.49	6.51	3.25
YES	L0007764	0	0.19540E-05	472441.1	3751848.3	505.7	3.49	6.51	3.25
YES	L0007765	0	0.19540E-05	472455.1	3751849.5	505.7	3.49	6.51	3.25
YES	L0007766	0	0.19540E-05	472469.0	3751850.6	504.9	3.49	6.51	3.25

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 16

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

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

SOURCE	NUMBER	EMISSION	RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION		X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	SCALAR VARY	BY							
	CATS.								
L0007767	0	0.19540E-05	472483.0	3751851.8	504.0	3.49	6.51	3.25	
YES									
L0007768	0	0.19540E-05	472496.9	3751852.9	502.8	3.49	6.51	3.25	
YES									
L0007769	0	0.19540E-05	472510.9	3751854.0	501.7	3.49	6.51	3.25	
YES									
L0007770	0	0.19540E-05	472524.8	3751855.2	501.2	3.49	6.51	3.25	
YES									
L0007771	0	0.19540E-05	472538.8	3751856.3	500.7	3.49	6.51	3.25	
YES									
L0007772	0	0.19540E-05	472552.7	3751857.4	499.7	3.49	6.51	3.25	
YES									
L0007773	0	0.19540E-05	472566.7	3751858.6	498.6	3.49	6.51	3.25	

YES								
L0007774	0	0.19540E-05	472580.7	3751859.7	497.0	3.49	6.51	3.25
YES								
L0007775	0	0.19540E-05	472594.6	3751860.9	495.1	3.49	6.51	3.25
YES								
L0007776	0	0.19540E-05	472608.6	3751862.0	494.4	3.49	6.51	3.25
YES								
L0007777	0	0.19540E-05	472622.5	3751863.0	494.1	3.49	6.51	3.25
YES								
L0007778	0	0.19540E-05	472636.5	3751864.0	493.7	3.49	6.51	3.25
YES								
L0007779	0	0.19540E-05	472650.5	3751865.1	493.2	3.49	6.51	3.25
YES								
L0007780	0	0.19540E-05	472664.3	3751866.7	492.6	3.49	6.51	3.25
YES								
L0007781	0	0.19540E-05	472678.2	3751868.4	492.1	3.49	6.51	3.25
YES								
L0007782	0	0.19540E-05	472691.6	3751872.7	491.4	3.49	6.51	3.25
YES								
L0007783	0	0.19540E-05	472704.9	3751877.1	491.5	3.49	6.51	3.25
YES								
L0007784	0	0.19540E-05	472718.2	3751881.5	491.3	3.49	6.51	3.25
YES								
L0007785	0	0.19540E-05	472731.4	3751885.9	491.2	3.49	6.51	3.25
YES								
L0007786	0	0.19540E-05	472744.7	3751890.3	491.0	3.49	6.51	3.25
YES								
L0007787	0	0.19540E-05	472758.0	3751894.7	490.7	3.49	6.51	3.25
YES								
L0007788	0	0.19540E-05	472771.3	3751899.0	490.2	3.49	6.51	3.25
YES								
L0007789	0	0.19540E-05	472784.6	3751903.4	489.8	3.49	6.51	3.25
YES								
L0007790	0	0.19540E-05	472797.9	3751907.8	490.1	3.49	6.51	3.25
YES								
L0007791	0	0.19540E-05	472811.2	3751912.2	490.4	3.49	6.51	3.25
YES								
L0007792	0	0.19540E-05	472824.5	3751916.6	489.3	3.49	6.51	3.25
YES								
L0007793	0	0.19540E-05	472837.8	3751921.0	488.6	3.49	6.51	3.25
YES								
L0007794	0	0.19540E-05	472851.1	3751925.4	488.2	3.49	6.51	3.25
YES								
L0007795	0	0.19540E-05	472864.4	3751929.8	488.0	3.49	6.51	3.25
YES								
L0007796	0	0.19540E-05	472877.7	3751934.2	488.0	3.49	6.51	3.25
YES								
L0007797	0	0.19540E-05	472891.0	3751938.6	488.0	3.49	6.51	3.25
YES								
L0007798	0	0.19540E-05	472904.2	3751943.1	487.9	3.49	6.51	3.25
YES								
L0007799	0	0.19540E-05	472917.5	3751947.6	487.4	3.49	6.51	3.25
YES								
L0007800	0	0.19540E-05	472930.7	3751952.2	487.0	3.49	6.51	3.25
YES								
L0007801	0	0.19540E-05	472943.9	3751956.7	487.0	3.49	6.51	3.25
YES								
L0007802	0	0.19540E-05	472957.2	3751961.3	487.0	3.49	6.51	3.25
YES								
L0007803	0	0.19540E-05	472970.4	3751965.8	486.6	3.49	6.51	3.25
YES								
L0007804	0	0.19540E-05	472983.7	3751970.3	486.1	3.49	6.51	3.25
YES								
L0007805	0	0.19540E-05	472996.9	3751974.9	485.6	3.49	6.51	3.25
YES								
L0007806	0	0.19540E-05	473010.2	3751979.4	485.2	3.49	6.51	3.25



YES

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 14:46:30

PAGE 17

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

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

SOURCE	NUMBER	EMISSION	RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE	X	Y	ELEV.	HEIGHT	SY	SZ
SCALAR VARY	PART.	(GRAMS/SEC)		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
ID	CATS.	BY							
(METERS)									
L0007807	0	0.19540E-05	473023.2	3751984.4	484.9	3.49	6.51	3.25	
YES									
L0007808	0	0.19540E-05	473036.3	3751989.5	484.6	3.49	6.51	3.25	
YES									
L0007809	0	0.19540E-05	473049.4	3751994.3	484.1	3.49	6.51	3.25	
YES									
L0007810	0	0.19540E-05	473062.9	3751998.2	483.6	3.49	6.51	3.25	
YES									
L0007811	0	0.19540E-05	473076.4	3752002.0	483.1	3.49	6.51	3.25	
YES									
L0007812	0	0.19540E-05	473089.8	3752005.8	483.0	3.49	6.51	3.25	
YES									
L0007813	0	0.19540E-05	473103.5	3752008.7	483.0	3.49	6.51	3.25	
YES									
L0007814	0	0.19540E-05	473117.2	3752011.6	482.8	3.49	6.51	3.25	
YES									
L0007815	0	0.19540E-05	473131.1	3752013.3	482.3	3.49	6.51	3.25	
YES									
L0007816	0	0.19540E-05	473145.0	3752014.9	481.9	3.49	6.51	3.25	
YES									
L0007817	0	0.19540E-05	473158.9	3752016.5	481.6	3.49	6.51	3.25	
YES									
L0007818	0	0.19540E-05	473172.9	3752017.7	481.3	3.49	6.51	3.25	
YES									
L0007819	0	0.19540E-05	473186.9	3752017.3	481.1	3.49	6.51	3.25	
YES									
L0007820	0	0.19540E-05	473200.8	3752017.0	481.0	3.49	6.51	3.25	
YES									
L0007821	0	0.19540E-05	473214.8	3752016.6	480.5	3.49	6.51	3.25	
YES									
L0007822	0	0.19540E-05	473228.8	3752016.3	480.0	3.49	6.51	3.25	
YES									
L0007823	0	0.19540E-05	473242.8	3752016.8	480.0	3.49	6.51	3.25	
YES									
L0007824	0	0.19540E-05	473256.8	3752017.8	480.0	3.49	6.51	3.25	
YES									
L0007825	0	0.19540E-05	473270.7	3752018.9	479.6	3.49	6.51	3.25	
YES									
L0007826	0	0.19540E-05	473284.7	3752019.9	479.2	3.49	6.51	3.25	
YES									
L0007827	0	0.19540E-05	473298.7	3752021.0	478.7	3.49	6.51	3.25	
YES									
L0007828	0	0.19540E-05	473312.6	3752022.0	478.2	3.49	6.51	3.25	
YES									
L0007829	0	0.19540E-05	473326.5	3752023.6	477.8	3.49	6.51	3.25	

YES								
L0007830	0	0.19540E-05	473340.4	3752025.4	477.3	3.49	6.51	3.25
YES								
L0007831	0	0.19540E-05	473354.3	3752027.2	476.8	3.49	6.51	3.25
YES								
L0007832	0	0.19540E-05	473368.2	3752028.9	476.4	3.49	6.51	3.25
YES								
L0007833	0	0.19540E-05	473382.1	3752030.7	476.0	3.49	6.51	3.25
YES								
L0007834	0	0.19540E-05	473396.0	3752032.5	476.0	3.49	6.51	3.25
YES								
L0007835	0	0.19540E-05	473409.8	3752034.2	476.0	3.49	6.51	3.25
YES								
L0007836	0	0.19540E-05	473423.7	3752036.1	475.7	3.49	6.51	3.25
YES								
L0007837	0	0.19540E-05	473437.4	3752039.2	475.5	3.49	6.51	3.25
YES								
L0007838	0	0.49170E-06	471063.9	3751893.1	513.6	3.49	6.51	3.25
YES								
L0007839	0	0.49170E-06	471064.4	3751907.0	514.5	3.49	6.51	3.25
YES								
L0007840	0	0.49170E-06	471065.0	3751921.0	515.5	3.49	6.51	3.25
YES								
L0007841	0	0.49170E-06	471065.5	3751935.0	516.5	3.49	6.51	3.25
YES								
L0007842	0	0.49170E-06	471066.5	3751949.0	516.6	3.49	6.51	3.25
YES								
L0007843	0	0.49170E-06	471067.5	3751962.9	516.7	3.49	6.51	3.25
YES								
L0007844	0	0.49170E-06	471069.2	3751976.8	516.6	3.49	6.51	3.25
YES								
L0007845	0	0.49170E-06	471073.6	3751990.1	516.3	3.49	6.51	3.25
YES								
L0007846	0	0.49170E-06	471077.9	3752003.4	516.3	3.49	6.51	3.25
YES								

**HP** \*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 14:46:30

PAGE 18

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

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

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE		ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		X	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY		BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	CATS.							
L0007847	0	0.49170E-06	471082.3	3752016.7	516.4	3.49	6.51	3.25
YES								
L0007848	0	0.49170E-06	471086.7	3752030.0	516.4	3.49	6.51	3.25
YES								
L0007849	0	0.49170E-06	471091.1	3752043.3	515.8	3.49	6.51	3.25
YES								
L0007850	0	0.49170E-06	471095.5	3752056.5	515.0	3.49	6.51	3.25
YES								
L0007851	0	0.49170E-06	471100.4	3752069.7	514.1	3.49	6.51	3.25
YES								
L0007852	0	0.49170E-06	471105.2	3752082.8	513.3	3.49	6.51	3.25

YES								
L0007853	0	0.49170E-06	4711110.0	3752096.0	512.7	3.49	6.51	3.25
YES								
L0007854	0	0.49170E-06	4711114.8	3752109.1	512.2	3.49	6.51	3.25
YES								
L0007855	0	0.49170E-06	4711119.2	3752122.4	512.2	3.49	6.51	3.25
YES								
L0007856	0	0.49170E-06	4711121.8	3752136.1	512.6	3.49	6.51	3.25
YES								
L0007857	0	0.49170E-06	4711124.4	3752149.9	512.9	3.49	6.51	3.25
YES								
L0007858	0	0.49170E-06	4711126.2	3752163.7	512.4	3.49	6.51	3.25
YES								
L0007859	0	0.49170E-06	4711126.0	3752177.7	512.0	3.49	6.51	3.25
YES								
L0007860	0	0.49170E-06	4711125.9	3752191.7	511.9	3.49	6.51	3.25
YES								
L0007861	0	0.49170E-06	4711125.8	3752205.7	511.8	3.49	6.51	3.25
YES								
L0007862	0	0.49170E-06	4711125.6	3752219.7	511.7	3.49	6.51	3.25
YES								
L0007863	0	0.49170E-06	4711125.5	3752233.7	511.7	3.49	6.51	3.25
YES								
L0007864	0	0.49170E-06	4711125.3	3752247.7	511.8	3.49	6.51	3.25
YES								
L0007865	0	0.49170E-06	4711131.0	3752256.0	512.0	3.49	6.51	3.25
YES								
L0007866	0	0.49170E-06	4711145.0	3752256.1	512.5	3.49	6.51	3.25
YES								
L0007867	0	0.49170E-06	4711159.0	3752256.3	513.0	3.49	6.51	3.25
YES								
L0007868	0	0.49170E-06	4711173.0	3752256.4	513.8	3.49	6.51	3.25
YES								
L0007869	0	0.49170E-06	4711187.0	3752256.5	514.5	3.49	6.51	3.25
YES								
L0007870	0	0.49170E-06	471201.0	3752256.7	515.0	3.49	6.51	3.25
YES								
L0007871	0	0.49170E-06	471215.0	3752256.8	515.5	3.49	6.51	3.25
YES								
L0007872	0	0.49170E-06	471229.0	3752256.9	515.3	3.49	6.51	3.25
YES								
L0007873	0	0.49170E-06	471243.0	3752257.1	514.9	3.49	6.51	3.25
YES								
L0007874	0	0.49170E-06	471257.0	3752257.2	514.7	3.49	6.51	3.25
YES								
L0007875	0	0.49170E-06	471271.0	3752257.3	514.8	3.49	6.51	3.25
YES								
L0007876	0	0.49170E-06	471285.0	3752257.5	515.0	3.49	6.51	3.25
YES								
L0007877	0	0.49170E-06	471299.0	3752257.6	515.4	3.49	6.51	3.25
YES								
L0007878	0	0.49170E-06	471313.0	3752257.7	515.8	3.49	6.51	3.25
YES								
L0007879	0	0.49170E-06	471327.0	3752257.9	516.6	3.49	6.51	3.25
YES								
L0007880	0	0.49170E-06	471341.0	3752258.0	517.3	3.49	6.51	3.25
YES								
L0007881	0	0.49170E-06	471355.0	3752258.1	517.4	3.49	6.51	3.25
YES								
L0007882	0	0.49170E-06	471369.0	3752258.3	517.5	3.49	6.51	3.25
YES								
L0007883	0	0.49170E-06	471383.0	3752258.4	518.0	3.49	6.51	3.25
YES								
L0007884	0	0.49170E-06	471397.0	3752258.6	518.4	3.49	6.51	3.25
YES								
L0007885	0	0.49170E-06	471411.0	3752258.7	518.6	3.49	6.51	3.25

YES  
L0007886 0 0.58620E-06 471428.8 3752257.7 518.9 3.49 6.51 3.25

YES

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

14:46:30

PAGE 19

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

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

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

-----  
-----

L0007887	0	0.58620E-06	471442.8	3752257.8	519.0	3.49	6.51	3.25
YES								
L0007888	0	0.58620E-06	471456.8	3752257.9	519.1	3.49	6.51	3.25
YES								
L0007889	0	0.58620E-06	471470.8	3752257.9	519.5	3.49	6.51	3.25
YES								
L0007890	0	0.58620E-06	471484.8	3752258.0	520.0	3.49	6.51	3.25
YES								
L0007891	0	0.58620E-06	471498.8	3752258.1	520.8	3.49	6.51	3.25
YES								
L0007892	0	0.58620E-06	471512.8	3752258.2	521.8	3.49	6.51	3.25
YES								
L0007893	0	0.58620E-06	471526.8	3752258.3	522.5	3.49	6.51	3.25
YES								
L0007894	0	0.58620E-06	471540.8	3752258.4	523.0	3.49	6.51	3.25
YES								
L0007895	0	0.58620E-06	471554.8	3752258.5	522.8	3.49	6.51	3.25
YES								
L0007896	0	0.58620E-06	471568.8	3752258.5	521.5	3.49	6.51	3.25
YES								
L0007897	0	0.58620E-06	471582.8	3752258.6	520.4	3.49	6.51	3.25
YES								
L0007898	0	0.58620E-06	471596.8	3752258.7	519.7	3.49	6.51	3.25
YES								
L0007899	0	0.58620E-06	471610.8	3752258.8	519.1	3.49	6.51	3.25
YES								
L0007900	0	0.58620E-06	471624.8	3752258.9	519.9	3.49	6.51	3.25
YES								
L0007901	0	0.58620E-06	471638.8	3752259.0	520.7	3.49	6.51	3.25
YES								
L0007902	0	0.58620E-06	471652.8	3752259.1	522.0	3.49	6.51	3.25
YES								
L0007903	0	0.58620E-06	471666.8	3752259.1	523.2	3.49	6.51	3.25
YES								
L0007904	0	0.58620E-06	471680.8	3752259.2	523.2	3.49	6.51	3.25
YES								
L0007905	0	0.58620E-06	471694.8	3752259.3	522.8	3.49	6.51	3.25
YES								
L0007906	0	0.58620E-06	471708.8	3752259.4	522.6	3.49	6.51	3.25
YES								
L0007907	0	0.58620E-06	471722.8	3752259.5	522.3	3.49	6.51	3.25
YES								
L0007908	0	0.58620E-06	471736.8	3752259.6	521.9	3.49	6.51	3.25

YES	L0007909	0	0.58620E-06	471750.8	3752259.7	521.4	3.49	6.51	3.25
YES	L0007910	0	0.58620E-06	471764.8	3752259.7	520.6	3.49	6.51	3.25
YES	L0007911	0	0.58620E-06	471778.8	3752259.8	519.7	3.49	6.51	3.25
YES	L0007912	0	0.58620E-06	471780.4	3752247.4	519.6	3.49	6.51	3.25
YES	L0007913	0	0.58620E-06	471780.5	3752233.4	519.5	3.49	6.51	3.25
YES	L0007914	0	0.58620E-06	471780.6	3752219.4	519.2	3.49	6.51	3.25
YES	L0007915	0	0.58620E-06	471780.7	3752205.4	518.9	3.49	6.51	3.25
YES	L0007916	0	0.58620E-06	471780.8	3752191.4	518.7	3.49	6.51	3.25
YES	L0007917	0	0.58620E-06	471780.9	3752177.4	518.6	3.49	6.51	3.25
YES	L0007918	0	0.58620E-06	471781.0	3752163.4	518.7	3.49	6.51	3.25
YES	L0007919	0	0.58620E-06	471781.1	3752149.4	518.8	3.49	6.51	3.25
YES	L0007920	0	0.58620E-06	471781.3	3752135.4	519.5	3.49	6.51	3.25
YES	L0007921	0	0.58620E-06	471781.4	3752121.4	520.3	3.49	6.51	3.25
YES	L0007922	0	0.58620E-06	471781.5	3752107.4	521.6	3.49	6.51	3.25
YES	L0007923	0	0.58620E-06	471781.6	3752093.4	523.2	3.49	6.51	3.25
YES	L0007924	0	0.58620E-06	471781.7	3752079.4	524.1	3.49	6.51	3.25
YES	L0007925	0	0.58620E-06	471781.8	3752065.4	524.2	3.49	6.51	3.25
YES	L0007926	0	0.58620E-06	471781.9	3752051.4	524.4	3.49	6.51	3.25

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 20

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

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

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

L0007927	0	0.58620E-06	471782.0	3752037.4	524.9	3.49	6.51	3.25	
YES	L0007928	0	0.58620E-06	471782.1	3752023.4	525.6	3.49	6.51	3.25
YES	L0007929	0	0.58620E-06	471782.2	3752009.4	527.0	3.49	6.51	3.25
YES	L0007930	0	0.58620E-06	471782.3	3751995.4	528.3	3.49	6.51	3.25
YES	L0007931	0	0.58620E-06	471782.5	3751981.4	528.8	3.49	6.51	3.25

YES								
L0007932	0	0.58620E-06	471782.6	3751967.4	529.2	3.49	6.51	3.25
YES								
L0007933	0	0.58620E-06	471782.7	3751953.4	529.7	3.49	6.51	3.25
YES								
L0007934	0	0.58620E-06	471782.8	3751939.4	530.1	3.49	6.51	3.25
YES								
L0007935	0	0.58620E-06	471782.9	3751925.4	531.6	3.49	6.51	3.25
YES								
L0007936	0	0.58620E-06	471783.0	3751911.4	533.2	3.49	6.51	3.25
YES								
L0007937	0	0.58620E-06	471783.1	3751897.4	534.5	3.49	6.51	3.25
YES								
L0007938	0	0.29420E-06	471064.0	3751877.5	512.7	3.49	6.51	3.25
YES								
L0007939	0	0.29420E-06	471064.1	3751863.5	512.4	3.49	6.51	3.25
YES								
L0007940	0	0.29420E-06	471064.2	3751849.5	512.1	3.49	6.51	3.25
YES								
L0007941	0	0.29420E-06	471064.4	3751835.5	512.1	3.49	6.51	3.25
YES								
L0007942	0	0.29420E-06	471064.5	3751821.5	512.1	3.49	6.51	3.25
YES								
L0007943	0	0.29420E-06	471064.6	3751807.5	512.5	3.49	6.51	3.25
YES								
L0007944	0	0.29420E-06	471064.8	3751793.5	512.9	3.49	6.51	3.25
YES								
L0007945	0	0.29420E-06	471064.9	3751779.5	513.8	3.49	6.51	3.25
YES								
L0007946	0	0.29420E-06	471065.0	3751765.5	515.2	3.49	6.51	3.25
YES								
L0007947	0	0.29420E-06	471065.1	3751751.5	516.5	3.49	6.51	3.25
YES								
L0007948	0	0.29420E-06	471065.3	3751737.5	517.8	3.49	6.51	3.25
YES								
L0007949	0	0.29420E-06	471065.4	3751723.5	519.1	3.49	6.51	3.25
YES								
L0007950	0	0.29420E-06	471065.5	3751709.5	519.9	3.49	6.51	3.25
YES								
L0007951	0	0.29420E-06	471065.7	3751695.5	520.9	3.49	6.51	3.25
YES								
L0007952	0	0.29420E-06	471065.8	3751681.5	522.3	3.49	6.51	3.25
YES								
L0007953	0	0.29420E-06	471065.9	3751667.5	523.7	3.49	6.51	3.25
YES								
L0007954	0	0.29420E-06	471066.1	3751653.5	524.2	3.49	6.51	3.25
YES								
L0007955	0	0.29420E-06	471066.2	3751639.5	524.7	3.49	6.51	3.25
YES								
L0007956	0	0.29420E-06	471066.3	3751625.5	524.4	3.49	6.51	3.25
YES								
L0007957	0	0.29420E-06	471066.4	3751611.5	523.9	3.49	6.51	3.25
YES								
L0007958	0	0.29420E-06	471066.6	3751597.5	523.8	3.49	6.51	3.25
YES								
L0007959	0	0.29420E-06	471066.7	3751583.5	523.8	3.49	6.51	3.25
YES								
L0007960	0	0.29420E-06	471066.8	3751569.5	523.8	3.49	6.51	3.25
YES								
L0007961	0	0.29420E-06	471067.0	3751555.5	523.9	3.49	6.51	3.25
YES								
L0007962	0	0.29420E-06	471067.1	3751541.5	523.7	3.49	6.51	3.25
YES								
L0007963	0	0.29420E-06	471067.2	3751527.5	523.2	3.49	6.51	3.25
YES								
L0007964	0	0.29420E-06	471067.3	3751513.5	522.6	3.49	6.51	3.25

```

YES
L0007965      0  0.29420E-06  471080.9 3751513.1  522.8    3.49    6.51    3.25
YES
L0007966      0  0.29420E-06  471094.9 3751513.2  523.0    3.49    6.51    3.25
YES
*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***      10/07/22
*** AERMET - VERSION 16216 ***
***
***

```

14:46:30

PAGE 21

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

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

SOURCE	NUMBER	EMISSION	RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE			ELEV.	HEIGHT	SY	SZ
ID	SCALAR	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	VARY	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0007967	0	0.29420E-06	471108.9	3751513.3	523.3	3.49	6.51	3.25	
YES									
L0007968	0	0.29420E-06	471122.9	3751513.4	523.8	3.49	6.51	3.25	
YES									
L0007969	0	0.29420E-06	471136.9	3751513.5	524.2	3.49	6.51	3.25	
YES									
L0007970	0	0.29420E-06	471150.9	3751513.6	524.7	3.49	6.51	3.25	
YES									
L0007971	0	0.29420E-06	471164.9	3751513.7	525.3	3.49	6.51	3.25	
YES									
L0007972	0	0.29420E-06	471178.9	3751513.8	526.2	3.49	6.51	3.25	
YES									
L0007973	0	0.29420E-06	471192.9	3751514.0	527.0	3.49	6.51	3.25	
YES									
L0007974	0	0.29420E-06	471206.9	3751514.1	527.5	3.49	6.51	3.25	
YES									
L0007975	0	0.29420E-06	471220.9	3751514.2	528.0	3.49	6.51	3.25	
YES									
L0007976	0	0.29420E-06	471234.9	3751514.3	528.5	3.49	6.51	3.25	
YES									
L0007977	0	0.29420E-06	471248.9	3751514.4	529.0	3.49	6.51	3.25	
YES									
L0007978	0	0.29420E-06	471262.9	3751514.5	529.4	3.49	6.51	3.25	
YES									
L0007979	0	0.29420E-06	471276.9	3751514.6	529.9	3.49	6.51	3.25	
YES									
L0007980	0	0.29420E-06	471290.9	3751514.7	530.0	3.49	6.51	3.25	
YES									
L0007981	0	0.29420E-06	471304.9	3751514.8	530.0	3.49	6.51	3.25	
YES									
L0007982	0	0.29420E-06	471318.9	3751514.9	530.4	3.49	6.51	3.25	
YES									
L0007983	0	0.29420E-06	471332.9	3751515.0	530.9	3.49	6.51	3.25	
YES									
L0007984	0	0.29420E-06	471346.9	3751515.1	532.1	3.49	6.51	3.25	
YES									
L0007985	0	0.29420E-06	471360.9	3751515.2	533.9	3.49	6.51	3.25	
YES									
L0007986	0	0.29420E-06	471374.9	3751515.3	535.2	3.49	6.51	3.25	
YES									
L0007987	0	0.29420E-06	471388.9	3751515.4	535.7	3.49	6.51	3.25	

YES								
L0007988	0	0.29420E-06	471402.9	3751515.5	535.9	3.49	6.51	3.25
YES								
L0007989	0	0.29420E-06	471416.9	3751515.6	535.5	3.49	6.51	3.25
YES								
L0007990	0	0.29420E-06	471430.9	3751515.7	535.0	3.49	6.51	3.25
YES								
L0007991	0	0.59000E-06	471444.9	3751517.4	534.5	3.49	6.51	3.25
YES								
L0007992	0	0.59000E-06	471458.9	3751517.5	534.0	3.49	6.51	3.25
YES								
L0007993	0	0.59000E-06	471472.9	3751517.6	533.5	3.49	6.51	3.25
YES								
L0007994	0	0.59000E-06	471486.9	3751517.7	533.0	3.49	6.51	3.25
YES								
L0007995	0	0.59000E-06	471500.9	3751517.8	532.2	3.49	6.51	3.25
YES								
L0007996	0	0.59000E-06	471514.9	3751517.9	531.3	3.49	6.51	3.25
YES								
L0007997	0	0.59000E-06	471528.9	3751518.0	530.7	3.49	6.51	3.25
YES								
L0007998	0	0.59000E-06	471542.9	3751518.1	530.2	3.49	6.51	3.25
YES								
L0007999	0	0.59000E-06	471556.9	3751518.2	530.0	3.49	6.51	3.25
YES								
L0008000	0	0.59000E-06	471570.9	3751518.3	530.0	3.49	6.51	3.25
YES								
L0008001	0	0.59000E-06	471584.9	3751518.4	530.0	3.49	6.51	3.25
YES								
L0008002	0	0.59000E-06	471598.9	3751518.5	530.0	3.49	6.51	3.25
YES								
L0008003	0	0.59000E-06	471612.9	3751518.6	530.0	3.49	6.51	3.25
YES								
L0008004	0	0.59000E-06	471626.9	3751518.7	530.0	3.49	6.51	3.25
YES								
L0008005	0	0.59000E-06	471640.9	3751518.8	529.9	3.49	6.51	3.25
YES								
L0008006	0	0.59000E-06	471654.9	3751518.9	529.4	3.49	6.51	3.25
YES								

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 22

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

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

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

L0008007	0	0.59000E-06	471668.9	3751519.0	529.0	3.49	6.51	3.25
YES								
L0008008	0	0.59000E-06	471682.9	3751519.1	529.5	3.49	6.51	3.25
YES								
L0008009	0	0.59000E-06	471696.9	3751519.2	530.0	3.49	6.51	3.25
YES								
L0008010	0	0.59000E-06	471710.9	3751519.3	530.8	3.49	6.51	3.25



YES								
L0008011	0	0.59000E-06	471724.9	3751519.4	531.7	3.49	6.51	3.25
YES								
L0008012	0	0.59000E-06	471738.9	3751519.5	532.6	3.49	6.51	3.25
YES								
L0008013	0	0.59000E-06	471752.9	3751519.6	533.6	3.49	6.51	3.25
YES								
L0008014	0	0.59000E-06	471766.9	3751519.7	534.2	3.49	6.51	3.25
YES								
L0008015	0	0.59000E-06	471780.9	3751519.8	534.7	3.49	6.51	3.25
YES								
L0008016	0	0.59000E-06	471786.4	3751528.2	534.9	3.49	6.51	3.25
YES								
L0008017	0	0.59000E-06	471786.3	3751542.2	534.9	3.49	6.51	3.25
YES								
L0008018	0	0.59000E-06	471786.2	3751556.2	535.5	3.49	6.51	3.25
YES								
L0008019	0	0.59000E-06	471786.0	3751570.2	536.4	3.49	6.51	3.25
YES								
L0008020	0	0.59000E-06	471785.9	3751584.2	536.8	3.49	6.51	3.25
YES								
L0008021	0	0.59000E-06	471785.8	3751598.2	536.8	3.49	6.51	3.25
YES								
L0008022	0	0.59000E-06	471785.6	3751612.2	536.6	3.49	6.51	3.25
YES								
L0008023	0	0.59000E-06	471785.5	3751626.2	536.2	3.49	6.51	3.25
YES								
L0008024	0	0.59000E-06	471785.4	3751640.2	536.0	3.49	6.51	3.25
YES								
L0008025	0	0.59000E-06	471785.3	3751654.2	536.4	3.49	6.51	3.25
YES								
L0008026	0	0.59000E-06	471785.1	3751668.2	536.8	3.49	6.51	3.25
YES								
L0008027	0	0.59000E-06	471785.0	3751682.2	536.8	3.49	6.51	3.25
YES								
L0008028	0	0.59000E-06	471784.9	3751696.2	536.8	3.49	6.51	3.25
YES								
L0008029	0	0.59000E-06	471784.7	3751710.2	536.8	3.49	6.51	3.25
YES								
L0008030	0	0.59000E-06	471784.6	3751724.2	536.8	3.49	6.51	3.25
YES								
L0008031	0	0.59000E-06	471784.5	3751738.2	536.8	3.49	6.51	3.25
YES								
L0008032	0	0.59000E-06	471784.3	3751752.2	536.8	3.49	6.51	3.25
YES								
L0008033	0	0.59000E-06	471784.2	3751766.2	537.1	3.49	6.51	3.25
YES								
L0008034	0	0.59000E-06	471784.1	3751780.2	537.6	3.49	6.51	3.25
YES								
L0008035	0	0.59000E-06	471783.9	3751794.2	537.6	3.49	6.51	3.25
YES								
L0008036	0	0.59000E-06	471783.8	3751808.2	537.2	3.49	6.51	3.25
YES								
L0008037	0	0.59000E-06	471783.7	3751822.2	537.0	3.49	6.51	3.25
YES								
L0008038	0	0.59000E-06	471783.5	3751836.2	537.0	3.49	6.51	3.25
YES								
L0008039	0	0.59000E-06	471783.4	3751850.2	536.9	3.49	6.51	3.25
YES								
L0008040	0	0.59000E-06	471783.3	3751864.2	536.4	3.49	6.51	3.25
YES								
L0008041	0	0.59000E-06	471783.2	3751878.2	535.9	3.49	6.51	3.25
YES								
L0008042	0	0.97680E-07	473442.3	3752047.2	475.6	3.49	6.51	3.25
YES								
L0008043	0	0.97680E-07	473440.2	3752061.0	476.0	3.49	6.51	3.25

YES  
 L0008044      0   0.97680E-07   473438.1   3752074.8   476.0      3.49      6.51      3.25  
 YES  
 L0008045      0   0.97680E-07   473435.9   3752088.7   475.8      3.49      6.51      3.25  
 YES  
 L0008046      0   0.97680E-07   473432.4   3752102.2   475.4      3.49      6.51      3.25  
 YES

**FF** \*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\*      10/07/22

\*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      14:46:30

PAGE 23

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

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

SOURCE	NUMBER	EMISSION	RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE			ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		X	Y	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	CATS.								
L0008047	0	0.97680E-07	473428.4	3752115.6	475.0	3.49	6.51	3.25	
YES									
L0008048	0	0.97680E-07	473424.3	3752129.0	474.8	3.49	6.51	3.25	
YES									
L0008049	0	0.97680E-07	473420.2	3752142.4	474.7	3.49	6.51	3.25	
YES									
L0008050	0	0.97680E-07	473416.0	3752155.7	474.8	3.49	6.51	3.25	
YES									
L0008051	0	0.97680E-07	473409.2	3752167.9	475.0	3.49	6.51	3.25	
YES									
L0008052	0	0.97680E-07	473402.4	3752180.2	475.2	3.49	6.51	3.25	
YES									
L0008053	0	0.97680E-07	473395.5	3752192.4	475.5	3.49	6.51	3.25	
YES									
L0008054	0	0.97680E-07	473388.5	3752204.5	475.7	3.49	6.51	3.25	
YES									
L0008055	0	0.97680E-07	473381.6	3752216.7	475.6	3.49	6.51	3.25	
YES									
L0008056	0	0.97680E-07	473373.1	3752227.8	475.4	3.49	6.51	3.25	
YES									
L0008057	0	0.97680E-07	473364.5	3752238.9	475.5	3.49	6.51	3.25	
YES									
L0008058	0	0.97680E-07	473356.0	3752250.0	475.9	3.49	6.51	3.25	
YES									
L0008059	0	0.97680E-07	473347.5	3752261.1	476.0	3.49	6.51	3.25	
YES									
L0008060	0	0.97680E-07	473338.9	3752272.2	476.0	3.49	6.51	3.25	
YES									
L0008061	0	0.97680E-07	473330.4	3752283.3	476.0	3.49	6.51	3.25	
YES									
L0008062	0	0.97680E-07	473321.9	3752294.4	476.0	3.49	6.51	3.25	
YES									
L0008063	0	0.97680E-07	473313.3	3752305.5	475.7	3.49	6.51	3.25	
YES									
L0008064	0	0.97680E-07	473304.8	3752316.6	475.3	3.49	6.51	3.25	
YES									
L0008065	0	0.97680E-07	473296.3	3752327.7	475.0	3.49	6.51	3.25	
YES									
L0008066	0	0.97680E-07	473287.7	3752338.8	475.0	3.49	6.51	3.25	

```

YES
L0008067      0  0.97680E-07  473279.2 3752349.8  475.1   3.49   6.51   3.25
YES
L0008068      0  0.97680E-07  473270.6 3752360.9  474.9   3.49   6.51   3.25
YES
L0008069      0  0.97680E-07  473262.0 3752372.0  474.5   3.49   6.51   3.25
YES
L0008070      0  0.97680E-07  473253.4 3752383.0  474.3   3.49   6.51   3.25
YES
L0008071      0  0.97680E-07  473244.8 3752394.1  474.2   3.49   6.51   3.25
YES
L0008072      0  0.97680E-07  473236.2 3752405.1  474.2   3.49   6.51   3.25
YES
L0008073      0  0.97680E-07  473227.6 3752416.2  474.1   3.49   6.51   3.25
YES
L0008074      0  0.97680E-07  473219.0 3752427.2  474.4   3.49   6.51   3.25
YES
L0008075      0  0.97680E-07  473210.5 3752438.3  474.6   3.49   6.51   3.25
YES
L0008076      0  0.97680E-07  473201.9 3752449.3  474.9   3.49   6.51   3.25
YES
L0008077      0  0.97680E-07  473193.3 3752460.4  475.2   3.49   6.51   3.25
YES
L0008078      0  0.97680E-07  473184.8 3752471.5  475.5   3.49   6.51   3.25
YES
L0008079      0  0.97680E-07  473176.3 3752482.6  475.6   3.49   6.51   3.25
YES
L0008080      0  0.97680E-07  473167.7 3752493.7  475.4   3.49   6.51   3.25
YES
L0008081      0  0.97680E-07  473159.2 3752504.8  475.1   3.49   6.51   3.25
YES
L0008082      0  0.97680E-07  473150.7 3752515.9  474.7   3.49   6.51   3.25
YES
L0008083      0  0.97680E-07  473142.1 3752527.0  474.3   3.49   6.51   3.25
YES
L0008084      0  0.97680E-07  473133.6 3752538.1  473.8   3.49   6.51   3.25
YES
L0008085      0  0.97680E-07  473125.1 3752549.2  473.3   3.49   6.51   3.25
YES
L0008086      0  0.97680E-07  473116.5 3752560.3  473.1   3.49   6.51   3.25
YES

```

```

*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***      10/07/22

```

```

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

```

```

***      14:46:30

```

```

PAGE 24

```

```

*** MODELOPTs:   RegDEFAULT  CONC  ELEV  URBAN  ADJ_U*

```

```

*** VOLUME SOURCE DATA ***

```

```

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

```

```

L0008087      0  0.97680E-07  473108.2 3752571.6  472.8   3.49   6.51   3.25
YES
L0008088      0  0.97680E-07  473100.4 3752583.2  472.3   3.49   6.51   3.25
YES
L0008089      0  0.97680E-07  473092.6 3752594.8  472.0   3.49   6.51   3.25

```

YES								
L0008090	0	0.97680E-07	473085.3	3752606.8	472.0	3.49	6.51	3.25
YES								
L0008091	0	0.97680E-07	473078.3	3752618.9	472.0	3.49	6.51	3.25
YES								
L0008092	0	0.97680E-07	473071.3	3752631.0	471.9	3.49	6.51	3.25
YES								
L0008093	0	0.97680E-07	473064.2	3752643.1	471.7	3.49	6.51	3.25
YES								
L0008094	0	0.97680E-07	473057.2	3752655.2	471.8	3.49	6.51	3.25
YES								
L0008095	0	0.97680E-07	473050.2	3752667.3	472.0	3.49	6.51	3.25
YES								
L0008096	0	0.97680E-07	473045.4	3752680.5	472.0	3.49	6.51	3.25
YES								
L0008097	0	0.97680E-07	473040.9	3752693.7	471.8	3.49	6.51	3.25
YES								
L0008098	0	0.97680E-07	473036.4	3752707.0	471.6	3.49	6.51	3.25
YES								
L0008099	0	0.97680E-07	473031.9	3752720.2	471.5	3.49	6.51	3.25
YES								
L0008100	0	0.97680E-07	473027.4	3752733.5	471.3	3.49	6.51	3.25
YES								
L0008101	0	0.97680E-07	473024.1	3752747.1	471.0	3.49	6.51	3.25
YES								
L0008102	0	0.97680E-07	473020.8	3752760.7	471.0	3.49	6.51	3.25
YES								
L0008103	0	0.97680E-07	473017.6	3752774.3	471.0	3.49	6.51	3.25
YES								
L0008104	0	0.97680E-07	473014.4	3752787.9	470.6	3.49	6.51	3.25
YES								
L0008105	0	0.97680E-07	473012.3	3752801.7	470.2	3.49	6.51	3.25
YES								
L0008106	0	0.97680E-07	473011.8	3752815.7	470.0	3.49	6.51	3.25
YES								
L0008107	0	0.97680E-07	473011.3	3752829.7	470.0	3.49	6.51	3.25
YES								
L0008108	0	0.97680E-07	473010.8	3752843.7	469.8	3.49	6.51	3.25
YES								
L0008109	0	0.97680E-07	473010.3	3752857.7	469.3	3.49	6.51	3.25
YES								
L0008110	0	0.97680E-07	473009.9	3752871.7	469.0	3.49	6.51	3.25
YES								
L0008111	0	0.97680E-07	473009.7	3752885.7	469.0	3.49	6.51	3.25
YES								
L0008112	0	0.97680E-07	473009.5	3752899.7	469.0	3.49	6.51	3.25
YES								
L0008113	0	0.97680E-07	473009.3	3752913.7	469.2	3.49	6.51	3.25
YES								
L0008114	0	0.97680E-07	473009.1	3752927.7	469.3	3.49	6.51	3.25
YES								
L0008115	0	0.97680E-07	473008.9	3752941.7	469.2	3.49	6.51	3.25
YES								
L0008116	0	0.97680E-07	473008.7	3752955.7	469.0	3.49	6.51	3.25
YES								
L0008117	0	0.97680E-07	473008.6	3752969.7	469.0	3.49	6.51	3.25
YES								
L0008118	0	0.97680E-07	473008.4	3752983.7	469.0	3.49	6.51	3.25
YES								
L0008119	0	0.97680E-07	473008.2	3752997.7	469.1	3.49	6.51	3.25
YES								
L0008120	0	0.97680E-07	473008.0	3753011.7	469.3	3.49	6.51	3.25
YES								
L0008121	0	0.97680E-07	473007.8	3753025.7	469.4	3.49	6.51	3.25
YES								
L0008122	0	0.97680E-07	473007.6	3753039.7	469.4	3.49	6.51	3.25

YES  
 L0008123      0    0.97680E-07   473007.4 3753053.7   469.4      3.49      6.51      3.25  
 YES  
 L0008124      0    0.97680E-07   473007.3 3753067.7   469.4      3.49      6.51      3.25  
 YES  
 L0008125      0    0.97680E-07   473007.1 3753081.7   469.5      3.49      6.51      3.25  
 YES  
 L0008126      0    0.97680E-07   473006.8 3753095.6   469.8      3.49      6.51      3.25  
 YES

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\*      10/07/22

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

\*\*\* 14:46:30

PAGE 25

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

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

SOURCE	NUMBER	EMISSION	RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE			ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		X	Y	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	CATS.								
L0008127	0	0.97680E-07	473006.1	3753109.6	469.9	3.49	6.51	3.25	
YES									
L0008128	0	0.97680E-07	473005.5	3753123.6	469.7	3.49	6.51	3.25	
YES									
L0008129	0	0.97680E-07	473004.9	3753137.6	469.5	3.49	6.51	3.25	
YES									
L0008130	0	0.97680E-07	473004.3	3753151.6	469.3	3.49	6.51	3.25	
YES									
L0008131	0	0.97680E-07	473003.6	3753165.6	469.0	3.49	6.51	3.25	
YES									
L0008132	0	0.97680E-07	473003.0	3753179.6	468.6	3.49	6.51	3.25	
YES									
L0008133	0	0.97680E-07	473002.4	3753193.6	468.1	3.49	6.51	3.25	
YES									
L0008134	0	0.97680E-07	473001.8	3753207.5	466.8	3.49	6.51	3.25	
YES									
L0008135	0	0.97680E-07	473001.1	3753221.5	465.2	3.49	6.51	3.25	
YES									
L0008136	0	0.97680E-07	473000.5	3753235.5	464.2	3.49	6.51	3.25	
YES									
L0008137	0	0.97680E-07	472999.9	3753249.5	463.4	3.49	6.51	3.25	
YES									
L0008138	0	0.97680E-07	472999.3	3753263.5	462.5	3.49	6.51	3.25	
YES									
L0008139	0	0.97680E-07	472998.6	3753277.5	461.6	3.49	6.51	3.25	
YES									
L0008140	0	0.97680E-07	472998.0	3753291.5	460.7	3.49	6.51	3.25	
YES									
L0008141	0	0.97680E-07	472997.4	3753305.4	459.7	3.49	6.51	3.25	
YES									
L0008142	0	0.97680E-07	472994.5	3753319.1	458.9	3.49	6.51	3.25	
YES									
L0008143	0	0.97680E-07	472991.4	3753332.8	457.9	3.49	6.51	3.25	
YES									
L0008144	0	0.97680E-07	472988.4	3753346.4	457.0	3.49	6.51	3.25	
YES									
L0008145	0	0.97680E-07	472985.3	3753360.1	457.0	3.49	6.51	3.25	

```

YES
L0008146      0  0.97680E-07  472982.3 3753373.8  457.0    3.49    6.51    3.25
YES
L0008147      0  0.97680E-07  472976.7 3753386.4  457.3    3.49    6.51    3.25
YES
L0008148      0  0.97680E-07  472969.2 3753398.2  457.7    3.49    6.51    3.25
YES
L0008149      0  0.97680E-07  472961.6 3753410.0  457.9    3.49    6.51    3.25
YES
L0008150      0  0.97680E-07  472954.1 3753421.8  457.3    3.49    6.51    3.25
YES
L0008151      0  0.97680E-07  472946.5 3753433.6  456.7    3.49    6.51    3.25
YES
L0008152      0  0.97680E-07  472939.0 3753445.4  457.5    3.49    6.51    3.25
YES
L0008153      0  0.97680E-07  472931.5 3753457.2  459.9    3.49    6.51    3.25
YES
L0008154      0  0.97680E-07  472922.2 3753467.5  462.8    3.49    6.51    3.25
YES
L0008155      0  0.97680E-07  472912.0 3753477.1  464.4    3.49    6.51    3.25
YES
L0008156      0  0.97680E-07  472901.7 3753486.6  465.6    3.49    6.51    3.25
YES
L0008157      0  0.97680E-07  472891.5 3753496.2  465.5    3.49    6.51    3.25
YES
L0008158      0  0.97680E-07  472881.3 3753505.8  464.2    3.49    6.51    3.25
YES
L0008159      0  0.97680E-07  472871.0 3753515.3  463.4    3.49    6.51    3.25
YES
L0008160      0  0.97680E-07  472860.2 3753524.1  462.8    3.49    6.51    3.25
YES
L0008161      0  0.97680E-07  472848.8 3753532.3  462.4    3.49    6.51    3.25
YES
L0008162      0  0.97680E-07  472837.4 3753540.4  462.5    3.49    6.51    3.25
YES
L0008163      0  0.97680E-07  472826.0 3753548.6  463.1    3.49    6.51    3.25
YES
L0008164      0  0.97680E-07  472814.7 3753556.7  463.8    3.49    6.51    3.25
YES
L0008165      0  0.97680E-07  472803.3 3753564.9  464.9    3.49    6.51    3.25
YES
L0008166      0  0.97680E-07  472791.9 3753573.0  465.6    3.49    6.51    3.25
YES

```

```

*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***      10/07/22

```

```

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

```

```

***      14:46:30

```

```

PAGE 26

```

```

*** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

```

```

*** VOLUME SOURCE DATA ***

```

```

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

```

```

L0008167      0  0.97680E-07  472780.5 3753581.2  465.8    3.49    6.51    3.25
YES
L0008168      0  0.97680E-07  472769.1 3753589.3  465.6    3.49    6.51    3.25

```

YES								
L0008169	0	0.97680E-07	472757.8	3753597.5	465.0	3.49	6.51	3.25
YES								
L0008170	0	0.97680E-07	472746.4	3753605.7	464.3	3.49	6.51	3.25
YES								
L0008171	0	0.97680E-07	472735.8	3753614.8	463.6	3.49	6.51	3.25
YES								
L0008172	0	0.97680E-07	472725.6	3753624.4	462.7	3.49	6.51	3.25
YES								
L0008173	0	0.97680E-07	472715.4	3753634.0	461.4	3.49	6.51	3.25
YES								
L0008174	0	0.97680E-07	472705.2	3753643.6	459.7	3.49	6.51	3.25
YES								
L0008175	0	0.97680E-07	472695.0	3753653.2	459.3	3.49	6.51	3.25
YES								
L0008176	0	0.97680E-07	472685.4	3753663.2	459.8	3.49	6.51	3.25
YES								
L0008177	0	0.97680E-07	472678.1	3753675.2	460.3	3.49	6.51	3.25
YES								
L0008178	0	0.97680E-07	472670.8	3753687.1	460.7	3.49	6.51	3.25
YES								
L0008179	0	0.97680E-07	472663.5	3753699.0	461.9	3.49	6.51	3.25
YES								
L0008180	0	0.97680E-07	472656.2	3753711.0	463.0	3.49	6.51	3.25
YES								
L0008181	0	0.97680E-07	472649.6	3753723.3	463.2	3.49	6.51	3.25
YES								
L0008182	0	0.97680E-07	472644.6	3753736.4	463.5	3.49	6.51	3.25
YES								
L0008183	0	0.97680E-07	472639.6	3753749.4	463.8	3.49	6.51	3.25
YES								
L0008184	0	0.97680E-07	472634.6	3753762.5	464.0	3.49	6.51	3.25
YES								
L0008185	0	0.97680E-07	472629.5	3753775.6	464.0	3.49	6.51	3.25
YES								
L0008186	0	0.97680E-07	472627.0	3753789.3	463.9	3.49	6.51	3.25
YES								
L0008187	0	0.97680E-07	472625.1	3753803.2	463.7	3.49	6.51	3.25
YES								
L0008188	0	0.97680E-07	472623.2	3753817.0	463.6	3.49	6.51	3.25
YES								
L0008189	0	0.97680E-07	472621.2	3753830.9	463.4	3.49	6.51	3.25
YES								
L0008190	0	0.97680E-07	472620.7	3753844.9	463.2	3.49	6.51	3.25
YES								
L0008191	0	0.97680E-07	472620.4	3753858.9	463.0	3.49	6.51	3.25
YES								
L0008192	0	0.97680E-07	472620.0	3753872.9	462.8	3.49	6.51	3.25
YES								
L0008193	0	0.97680E-07	472619.7	3753886.9	462.7	3.49	6.51	3.25
YES								
L0008194	0	0.97680E-07	472619.3	3753900.8	462.8	3.49	6.51	3.25
YES								
L0008195	0	0.97680E-07	472619.0	3753914.8	463.0	3.49	6.51	3.25
YES								
L0008196	0	0.97680E-07	472618.7	3753928.8	463.0	3.49	6.51	3.25
YES								
L0008197	0	0.97680E-07	472618.3	3753942.8	463.0	3.49	6.51	3.25
YES								
L0008198	0	0.97680E-07	472618.0	3753956.8	463.1	3.49	6.51	3.25
YES								
L0008199	0	0.97680E-07	472617.6	3753970.8	463.3	3.49	6.51	3.25
YES								
L0008200	0	0.97680E-07	472616.9	3753984.8	463.6	3.49	6.51	3.25
YES								
L0008201	0	0.97680E-07	472616.3	3753998.8	463.9	3.49	6.51	3.25

```

YES
L0008202      0  0.97680E-07  472615.6 3754012.8  464.1    3.49    6.51    3.25
YES
L0008203      0  0.97680E-07  472615.0 3754026.8  464.3    3.49    6.51    3.25
YES
L0008204      0  0.97680E-07  472614.3 3754040.8  464.6    3.49    6.51    3.25
YES
L0008205      0  0.97680E-07  472613.6 3754054.7  464.8    3.49    6.51    3.25
YES
L0008206      0  0.97680E-07  472613.0 3754068.7  465.0    3.49    6.51    3.25
YES

```

```

*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***          10/07/22
*** AERMET - VERSION 16216 ***
***                                     ***          14:46:30

```

PAGE 27

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

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

SOURCE	NUMBER	EMISSION RATE	BASE	RELEASE	INIT.	INIT.		
SOURCE	URBAN	EMISSION RATE	ELEV.	HEIGHT	SY	SZ		
ID	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)		
(METERS)	SCALAR VARY	BY	(METERS)	(METERS)	(METERS)	(METERS)		
	CATS.							
L0008207	0	0.97680E-07	472612.3	3754082.7	465.2	3.49	6.51	3.25
YES								
L0008208	0	0.97680E-07	472611.7	3754096.7	465.4	3.49	6.51	3.25
YES								
L0008209	0	0.97680E-07	472611.0	3754110.7	465.4	3.49	6.51	3.25
YES								
L0008210	0	0.97680E-07	472610.3	3754124.7	465.4	3.49	6.51	3.25
YES								
L0008211	0	0.97680E-07	472609.7	3754138.6	465.3	3.49	6.51	3.25
YES								
L0008212	0	0.97680E-07	472609.0	3754152.6	465.3	3.49	6.51	3.25
YES								
L0008213	0	0.97680E-07	472608.4	3754166.6	465.3	3.49	6.51	3.25
YES								
L0008214	0	0.97680E-07	472607.7	3754180.6	465.3	3.49	6.51	3.25
YES								
L0008215	0	0.97680E-07	472607.0	3754194.6	465.0	3.49	6.51	3.25
YES								
L0008216	0	0.97680E-07	472606.4	3754208.6	464.5	3.49	6.51	3.25
YES								
L0008217	0	0.97680E-07	472605.7	3754222.5	464.2	3.49	6.51	3.25
YES								
L0008218	0	0.97680E-07	472605.1	3754236.5	464.2	3.49	6.51	3.25
YES								
L0008219	0	0.97680E-07	472604.4	3754250.5	464.0	3.49	6.51	3.25
YES								
L0008220	0	0.97680E-07	472603.7	3754264.5	463.5	3.49	6.51	3.25
YES								
L0008221	0	0.97680E-07	472603.1	3754278.5	463.2	3.49	6.51	3.25
YES								
L0008222	0	0.97680E-07	472602.4	3754292.5	463.6	3.49	6.51	3.25
YES								
L0008223	0	0.97680E-07	472601.8	3754306.5	464.0	3.49	6.51	3.25
YES								
L0008224	0	0.97680E-07	472601.1	3754320.4	464.0	3.49	6.51	3.25



YES								
L0008225	0	0.97680E-07	472600.5	3754334.4	464.0	3.49	6.51	3.25
YES								
L0008226	0	0.97680E-07	472599.8	3754348.4	464.0	3.49	6.51	3.25
YES								
L0008227	0	0.97680E-07	472599.1	3754362.4	464.0	3.49	6.51	3.25
YES								
L0008228	0	0.97680E-07	472598.6	3754376.4	464.0	3.49	6.51	3.25
YES								
L0008229	0	0.97680E-07	472598.0	3754390.4	464.0	3.49	6.51	3.25
YES								
L0008230	0	0.97680E-07	472597.4	3754404.4	464.3	3.49	6.51	3.25
YES								
L0008231	0	0.97680E-07	472596.8	3754418.3	464.8	3.49	6.51	3.25
YES								
L0008232	0	0.97680E-07	472596.3	3754432.3	465.0	3.49	6.51	3.25
YES								
L0008233	0	0.97680E-07	472595.7	3754446.3	465.0	3.49	6.51	3.25
YES								
L0008234	0	0.97680E-07	472595.1	3754460.3	465.1	3.49	6.51	3.25
YES								
L0008235	0	0.97680E-07	472594.5	3754474.3	465.6	3.49	6.51	3.25
YES								
L0008236	0	0.97680E-07	472593.9	3754488.3	466.0	3.49	6.51	3.25
YES								
L0008237	0	0.97680E-07	472593.4	3754502.3	466.0	3.49	6.51	3.25
YES								
L0008238	0	0.97680E-07	472592.8	3754516.3	466.0	3.49	6.51	3.25
YES								
L0008239	0	0.97680E-07	472592.2	3754530.3	466.0	3.49	6.51	3.25
YES								
L0008240	0	0.97680E-07	472591.6	3754544.2	466.0	3.49	6.51	3.25
YES								
L0008241	0	0.97680E-07	472591.1	3754558.2	466.0	3.49	6.51	3.25
YES								
L0008242	0	0.97680E-07	472590.5	3754572.2	466.0	3.49	6.51	3.25
YES								
L0008243	0	0.97680E-07	472589.9	3754586.2	466.0	3.49	6.51	3.25
YES								
L0008244	0	0.97680E-07	472589.3	3754600.2	466.0	3.49	6.51	3.25
YES								
L0008245	0	0.97680E-07	472588.8	3754614.2	466.0	3.49	6.51	3.25
YES								
L0008246	0	0.97680E-07	472588.2	3754628.2	466.0	3.49	6.51	3.25
YES								

```

*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***          10/07/22
*** AERMET - VERSION 16216 ***
***                                     ***          14:46:30

```

PAGE 28

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

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

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

L0008247	0	0.97680E-07	472587.6	3754642.2	466.0	3.49	6.51	3.25
----------	---	-------------	----------	-----------	-------	------	------	------

YES								
L0008248	0	0.97680E-07	472587.0	3754656.1	466.0	3.49	6.51	3.25
YES								
L0008249	0	0.19580E-06	473444.2	3752033.9	475.2	3.49	6.51	3.25
YES								
L0008250	0	0.19580E-06	473445.7	3752019.9	475.1	3.49	6.51	3.25
YES								
L0008251	0	0.19580E-06	473447.2	3752006.0	475.2	3.49	6.51	3.25
YES								
L0008252	0	0.19580E-06	473447.3	3751992.1	475.3	3.49	6.51	3.25
YES								
L0008253	0	0.19580E-06	473446.2	3751978.1	475.2	3.49	6.51	3.25
YES								
L0008254	0	0.19580E-06	473445.1	3751964.2	475.3	3.49	6.51	3.25
YES								
L0008255	0	0.19580E-06	473444.0	3751950.2	476.2	3.49	6.51	3.25
YES								
L0008256	0	0.19580E-06	473442.8	3751936.2	477.0	3.49	6.51	3.25
YES								
L0008257	0	0.19580E-06	473441.7	3751922.3	476.5	3.49	6.51	3.25
YES								
L0008258	0	0.19580E-06	473439.7	3751908.5	476.1	3.49	6.51	3.25
YES								
L0008259	0	0.19580E-06	473436.5	3751894.8	476.1	3.49	6.51	3.25
YES								
L0008260	0	0.19580E-06	473433.4	3751881.2	476.2	3.49	6.51	3.25
YES								
L0008261	0	0.19580E-06	473430.2	3751867.6	476.3	3.49	6.51	3.25
YES								
L0008262	0	0.19580E-06	473427.0	3751853.9	476.4	3.49	6.51	3.25
YES								
L0008263	0	0.19580E-06	473423.9	3751840.3	476.5	3.49	6.51	3.25
YES								
L0008264	0	0.19580E-06	473420.7	3751826.7	476.6	3.49	6.51	3.25
YES								
L0008265	0	0.19580E-06	473418.4	3751812.9	476.6	3.49	6.51	3.25
YES								
L0008266	0	0.19580E-06	473416.7	3751799.0	476.3	3.49	6.51	3.25
YES								
L0008267	0	0.19580E-06	473415.0	3751785.1	476.0	3.49	6.51	3.25
YES								
L0008268	0	0.19580E-06	473413.3	3751771.2	476.4	3.49	6.51	3.25
YES								
L0008269	0	0.19580E-06	473411.7	3751757.3	476.9	3.49	6.51	3.25
YES								
L0008270	0	0.19580E-06	473412.4	3751743.3	477.4	3.49	6.51	3.25
YES								
L0008271	0	0.19580E-06	473413.2	3751729.3	477.8	3.49	6.51	3.25
YES								
L0008272	0	0.19580E-06	473413.9	3751715.3	478.2	3.49	6.51	3.25
YES								
L0008273	0	0.19580E-06	473414.7	3751701.4	478.7	3.49	6.51	3.25
YES								
L0008274	0	0.19580E-06	473416.9	3751687.5	479.1	3.49	6.51	3.25
YES								
L0008275	0	0.19580E-06	473419.2	3751673.7	479.4	3.49	6.51	3.25
YES								
L0008276	0	0.19580E-06	473421.4	3751659.9	479.8	3.49	6.51	3.25
YES								
L0008277	0	0.19580E-06	473423.7	3751646.1	480.2	3.49	6.51	3.25
YES								
L0008278	0	0.19580E-06	473427.0	3751632.5	480.4	3.49	6.51	3.25
YES								
L0008279	0	0.19580E-06	473430.9	3751619.1	480.3	3.49	6.51	3.25
YES								
L0008280	0	0.19580E-06	473434.9	3751605.6	480.2	3.49	6.51	3.25

YES  
 L0008281 0 0.19580E-06 473439.9 3751592.6 480.0 3.49 6.51 3.25  
 YES  
 L0008282 0 0.19580E-06 473445.3 3751579.7 480.0 3.49 6.51 3.25  
 YES  
 L0008283 0 0.19580E-06 473450.7 3751566.8 480.0 3.49 6.51 3.25  
 YES  
 L0008284 0 0.19580E-06 473456.1 3751553.8 480.0 3.49 6.51 3.25  
 YES  
 L0008285 0 0.19580E-06 473461.5 3751540.9 480.1 3.49 6.51 3.25  
 YES  
 L0008286 0 0.19580E-06 473466.9 3751528.0 480.1 3.49 6.51 3.25  
 YES

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 14:46:30

PAGE 29

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

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

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR VARY	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY						
L0008287	0	0.19580E-06	473472.3	3751515.1	480.1	3.49	6.51	3.25
YES								
L0008288	0	0.19580E-06	473477.9	3751502.2	480.5	3.49	6.51	3.25
YES								
L0008289	0	0.19580E-06	473483.7	3751489.5	480.9	3.49	6.51	3.25
YES								
L0008290	0	0.19580E-06	473489.5	3751476.8	481.0	3.49	6.51	3.25
YES								
L0008291	0	0.19580E-06	473495.3	3751464.0	481.0	3.49	6.51	3.25
YES								
L0008292	0	0.19580E-06	473501.2	3751451.3	481.2	3.49	6.51	3.25
YES								
L0008293	0	0.19580E-06	473507.0	3751438.6	481.6	3.49	6.51	3.25
YES								
L0008294	0	0.19580E-06	473512.8	3751425.9	482.0	3.49	6.51	3.25
YES								
L0008295	0	0.19580E-06	473519.1	3751413.4	482.2	3.49	6.51	3.25
YES								
L0008296	0	0.19580E-06	473525.9	3751401.1	482.1	3.49	6.51	3.25
YES								
L0008297	0	0.19580E-06	473532.6	3751388.8	482.3	3.49	6.51	3.25
YES								
L0008298	0	0.19580E-06	473539.3	3751376.6	482.7	3.49	6.51	3.25
YES								
L0008299	0	0.19580E-06	473546.1	3751364.3	483.0	3.49	6.51	3.25
YES								
L0008300	0	0.19580E-06	473552.8	3751352.0	483.1	3.49	6.51	3.25
YES								
L0008301	0	0.19580E-06	473559.6	3751339.8	483.0	3.49	6.51	3.25
YES								
L0008302	0	0.19580E-06	473566.5	3751327.6	483.2	3.49	6.51	3.25
YES								
L0008303	0	0.19580E-06	473573.7	3751315.6	483.4	3.49	6.51	3.25

YES								
L0008304	0	0.19580E-06	473580.8	3751303.5	483.3	3.49	6.51	3.25
YES								
L0008305	0	0.19580E-06	473588.0	3751291.5	483.1	3.49	6.51	3.25
YES								
L0008306	0	0.19580E-06	473595.2	3751279.5	483.0	3.49	6.51	3.25
YES								
L0008307	0	0.19580E-06	473602.4	3751267.5	483.3	3.49	6.51	3.25
YES								
L0008308	0	0.19580E-06	473609.5	3751255.4	483.7	3.49	6.51	3.25
YES								
L0008309	0	0.19580E-06	473616.7	3751243.4	484.0	3.49	6.51	3.25
YES								
L0008310	0	0.19580E-06	473623.8	3751231.4	483.7	3.49	6.51	3.25
YES								
L0008311	0	0.19580E-06	473630.9	3751219.3	483.2	3.49	6.51	3.25
YES								
L0008312	0	0.19580E-06	473637.9	3751207.2	483.0	3.49	6.51	3.25
YES								
L0008313	0	0.19580E-06	473645.0	3751195.1	482.9	3.49	6.51	3.25
YES								
L0008314	0	0.19580E-06	473652.1	3751183.0	482.9	3.49	6.51	3.25
YES								
L0008315	0	0.19580E-06	473659.1	3751170.9	482.7	3.49	6.51	3.25
YES								
L0008316	0	0.19580E-06	473666.2	3751158.8	482.4	3.49	6.51	3.25
YES								
L0008317	0	0.19580E-06	473673.2	3751146.7	482.2	3.49	6.51	3.25
YES								
L0008318	0	0.19580E-06	473680.3	3751134.6	482.0	3.49	6.51	3.25
YES								
L0008319	0	0.19580E-06	473687.3	3751122.6	481.8	3.49	6.51	3.25
YES								
L0008320	0	0.19580E-06	473694.4	3751110.5	481.8	3.49	6.51	3.25
YES								
L0008321	0	0.19580E-06	473701.5	3751098.4	482.0	3.49	6.51	3.25
YES								
L0008322	0	0.19580E-06	473708.5	3751086.3	482.0	3.49	6.51	3.25
YES								
L0008323	0	0.19580E-06	473715.6	3751074.2	481.9	3.49	6.51	3.25
YES								
L0008324	0	0.19580E-06	473722.6	3751062.1	481.9	3.49	6.51	3.25
YES								
L0008325	0	0.19580E-06	473729.7	3751050.0	481.6	3.49	6.51	3.25
YES								
L0008326	0	0.19580E-06	473736.7	3751037.9	481.1	3.49	6.51	3.25
YES								

```

*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***          10/07/22
*** AERMET - VERSION 16216 ***
***                                     ***          14:46:30

```

PAGE 30

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

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

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

-----

L0008327	0	0.19580E-06	473743.8	3751025.8	481.0	3.49	6.51	3.25
YES								
L0008328	0	0.19580E-06	473750.9	3751013.7	481.0	3.49	6.51	3.25
YES								
L0008329	0	0.19580E-06	473757.9	3751001.6	480.9	3.49	6.51	3.25
YES								
L0008330	0	0.19580E-06	473765.0	3750989.5	480.5	3.49	6.51	3.25
YES								
L0008331	0	0.19580E-06	473772.0	3750977.4	480.0	3.49	6.51	3.25
YES								
L0008332	0	0.19580E-06	473779.0	3750965.3	480.0	3.49	6.51	3.25
YES								
L0008333	0	0.19580E-06	473786.1	3750953.2	480.0	3.49	6.51	3.25
YES								
L0008334	0	0.19580E-06	473793.1	3750941.1	480.0	3.49	6.51	3.25
YES								
L0008335	0	0.19580E-06	473800.2	3750929.0	480.0	3.49	6.51	3.25
YES								
L0008336	0	0.19580E-06	473807.2	3750916.9	479.8	3.49	6.51	3.25
YES								
L0008337	0	0.19580E-06	473814.2	3750904.8	479.3	3.49	6.51	3.25
YES								
L0008338	0	0.19580E-06	473821.3	3750892.7	479.1	3.49	6.51	3.25
YES								
L0008339	0	0.19580E-06	473828.3	3750880.6	479.0	3.49	6.51	3.25
YES								
L0008340	0	0.19580E-06	473835.3	3750868.5	478.8	3.49	6.51	3.25
YES								
L0008341	0	0.19580E-06	473842.4	3750856.4	478.6	3.49	6.51	3.25
YES								
L0008342	0	0.19580E-06	473849.4	3750844.3	478.3	3.49	6.51	3.25
YES								
L0008343	0	0.19580E-06	473856.5	3750832.2	478.1	3.49	6.51	3.25
YES								
L0008344	0	0.19580E-06	473863.5	3750820.1	477.9	3.49	6.51	3.25
YES								
L0008345	0	0.19580E-06	473870.5	3750808.0	477.6	3.49	6.51	3.25
YES								
L0008346	0	0.19580E-06	473877.6	3750795.9	477.4	3.49	6.51	3.25
YES								
L0008347	0	0.19580E-06	473884.6	3750783.8	477.1	3.49	6.51	3.25
YES								
L0008348	0	0.19580E-06	473891.6	3750771.7	476.9	3.49	6.51	3.25
YES								
L0008349	0	0.19580E-06	473898.7	3750759.6	476.7	3.49	6.51	3.25
YES								
L0008350	0	0.19580E-06	473905.7	3750747.5	476.5	3.49	6.51	3.25
YES								
L0008351	0	0.19580E-06	473912.8	3750735.4	476.2	3.49	6.51	3.25
YES								
L0008352	0	0.19580E-06	473919.7	3750723.2	476.0	3.49	6.51	3.25
YES								
L0008353	0	0.19580E-06	473926.7	3750711.1	475.8	3.49	6.51	3.25
YES								
L0008354	0	0.19580E-06	473933.6	3750698.9	475.4	3.49	6.51	3.25
YES								
L0008355	0	0.19580E-06	473940.6	3750686.8	475.1	3.49	6.51	3.25
YES								
L0008356	0	0.19580E-06	473947.5	3750674.7	475.1	3.49	6.51	3.25
YES								
L0008357	0	0.19580E-06	473954.5	3750662.5	475.4	3.49	6.51	3.25
YES								
L0008358	0	0.19580E-06	473961.5	3750650.4	475.5	3.49	6.51	3.25
YES								
L0008359	0	0.19580E-06	473968.4	3750638.2	475.6	3.49	6.51	3.25

YES  
 L0008360      0    0.19580E-06   473975.4 3750626.1   475.7      3.49      6.51      3.25  
 YES  
 L0008361      0    0.19580E-06   473982.3 3750613.9   475.9      3.49      6.51      3.25  
 YES  
 L0008362      0    0.19580E-06   473989.3 3750601.8   475.8      3.49      6.51      3.25  
 YES  
 L0008363      0    0.19580E-06   473996.2 3750589.6   475.9      3.49      6.51      3.25  
 YES  
 L0008364      0    0.19580E-06   474003.2 3750577.5   476.0      3.49      6.51      3.25  
 YES  
 L0008365      0    0.19580E-06   474010.2 3750565.3   476.0      3.49      6.51      3.25  
 YES  
 L0008366      0    0.19580E-06   474017.1 3750553.2   476.0      3.49      6.51      3.25  
 YES

\*\*\* AERMOD - VERSION 22112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\*      10/07/22

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

\*\*\* 14:46:30

PAGE 31

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

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

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE		ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		X				
(METERS)	SCALAR			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	VARY							
	CATS.	BY						
L0008367	0	0.19580E-06	474024.1	3750541.0	476.0	3.49	6.51	3.25
YES								
L0008368	0	0.19580E-06	474031.0	3750528.9	476.0	3.49	6.51	3.25
YES								
L0008369	0	0.19580E-06	474036.0	3750515.8	476.0	3.49	6.51	3.25
YES								
L0008370	0	0.19580E-06	474040.9	3750502.7	476.0	3.49	6.51	3.25
YES								
L0008371	0	0.19580E-06	474045.7	3750489.5	476.0	3.49	6.51	3.25
YES								
L0008372	0	0.19580E-06	474050.5	3750476.4	476.0	3.49	6.51	3.25
YES								
L0008373	0	0.19580E-06	474055.4	3750463.2	476.0	3.49	6.51	3.25
YES								
L0008374	0	0.19580E-06	474060.2	3750450.1	476.0	3.49	6.51	3.25
YES								
L0008375	0	0.19580E-06	474065.0	3750437.0	476.0	3.49	6.51	3.25
YES								
L0008376	0	0.19580E-06	474069.9	3750423.8	476.0	3.49	6.51	3.25
YES								
L0008377	0	0.19580E-06	474074.5	3750410.6	475.8	3.49	6.51	3.25
YES								
L0008378	0	0.19580E-06	474077.0	3750396.9	475.8	3.49	6.51	3.25
YES								
L0008379	0	0.19580E-06	474079.5	3750383.1	475.7	3.49	6.51	3.25
YES								
L0008380	0	0.19580E-06	474082.0	3750369.3	475.6	3.49	6.51	3.25
YES								
L0008381	0	0.19580E-06	474084.4	3750355.5	475.5	3.49	6.51	3.25
YES								
L0008382	0	0.19580E-06	474086.9	3750341.7	475.4	3.49	6.51	3.25

YES								
L0008383	0	0.19580E-06	474089.4	3750328.0	475.1	3.49	6.51	3.25
YES								
L0008384	0	0.19580E-06	474091.9	3750314.2	475.0	3.49	6.51	3.25
YES								
L0008385	0	0.19580E-06	474094.4	3750300.4	475.0	3.49	6.51	3.25
YES								
L0008386	0	0.19580E-06	474096.8	3750286.6	475.0	3.49	6.51	3.25
YES								
L0008387	0	0.19580E-06	474097.8	3750272.7	475.0	3.49	6.51	3.25
YES								
L0008388	0	0.19580E-06	474098.0	3750258.7	475.0	3.49	6.51	3.25
YES								
L0008389	0	0.19580E-06	474098.2	3750244.7	475.0	3.49	6.51	3.25
YES								
L0008390	0	0.19580E-06	474098.4	3750230.7	475.0	3.49	6.51	3.25
YES								
L0008391	0	0.19580E-06	474098.6	3750216.7	475.0	3.49	6.51	3.25
YES								
L0008392	0	0.19580E-06	474098.8	3750202.7	475.0	3.49	6.51	3.25
YES								
L0008393	0	0.19580E-06	474099.0	3750188.7	475.0	3.49	6.51	3.25
YES								
L0008394	0	0.19580E-06	474099.3	3750174.7	475.0	3.49	6.51	3.25
YES								
L0008395	0	0.19580E-06	474099.5	3750160.7	475.2	3.49	6.51	3.25
YES								
L0008396	0	0.19580E-06	474099.7	3750146.7	475.7	3.49	6.51	3.25
YES								
L0008397	0	0.19580E-06	474099.9	3750132.7	476.0	3.49	6.51	3.25
YES								
L0008398	0	0.19580E-06	474100.1	3750118.7	476.0	3.49	6.51	3.25
YES								
L0008399	0	0.19580E-06	474100.3	3750104.7	476.1	3.49	6.51	3.25
YES								
L0008400	0	0.19580E-06	474100.5	3750090.7	476.5	3.49	6.51	3.25
YES								
L0008401	0	0.19580E-06	474100.7	3750076.7	477.0	3.49	6.51	3.25
YES								
L0008402	0	0.19580E-06	474100.9	3750062.7	477.0	3.49	6.51	3.25
YES								
L0008403	0	0.19580E-06	474101.1	3750048.7	477.0	3.49	6.51	3.25
YES								
L0008404	0	0.19580E-06	474101.3	3750034.7	477.0	3.49	6.51	3.25
YES								
L0008405	0	0.19580E-06	474101.5	3750020.7	477.0	3.49	6.51	3.25
YES								
L0008406	0	0.19580E-06	474101.7	3750006.7	477.0	3.49	6.51	3.25
YES								

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAS\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 32

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

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

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

L0008407	0	0.19580E-06	474102.2	3749992.7	477.0	3.49	6.51	3.25
YES								
L0008408	0	0.19580E-06	474102.8	3749978.8	477.2	3.49	6.51	3.25
YES								
L0008409	0	0.19580E-06	474103.3	3749964.8	477.6	3.49	6.51	3.25
YES								
L0008410	0	0.19580E-06	474103.9	3749950.8	477.7	3.49	6.51	3.25
YES								
L0008411	0	0.19580E-06	474104.4	3749936.8	477.3	3.49	6.51	3.25
YES								
L0008412	0	0.19580E-06	474105.0	3749922.8	477.1	3.49	6.51	3.25
YES								
L0008413	0	0.19580E-06	474105.5	3749908.8	477.5	3.49	6.51	3.25
YES								
L0008414	0	0.19580E-06	474106.1	3749894.8	477.8	3.49	6.51	3.25
YES								
L0008415	0	0.19580E-06	474106.7	3749880.8	477.8	3.49	6.51	3.25
YES								
L0008416	0	0.19580E-06	474107.2	3749866.8	477.8	3.49	6.51	3.25
YES								
L0008417	0	0.19580E-06	474107.8	3749852.9	477.9	3.49	6.51	3.25
YES								
L0008418	0	0.19580E-06	474108.3	3749838.9	478.0	3.49	6.51	3.25
YES								
L0008419	0	0.19580E-06	474108.9	3749824.9	478.3	3.49	6.51	3.25
YES								
L0008420	0	0.19580E-06	474109.4	3749810.9	478.6	3.49	6.51	3.25
YES								
L0008421	0	0.19580E-06	474110.0	3749796.9	478.7	3.49	6.51	3.25
YES								
L0008422	0	0.19580E-06	474110.5	3749782.9	478.6	3.49	6.51	3.25
YES								
L0008423	0	0.19580E-06	474111.1	3749768.9	478.7	3.49	6.51	3.25
YES								
L0008424	0	0.19580E-06	474117.4	3749761.0	478.7	3.49	6.51	3.25
YES								
L0008425	0	0.19580E-06	474131.4	3749761.0	478.5	3.49	6.51	3.25
YES								
L0008426	0	0.19580E-06	474145.4	3749761.1	478.2	3.49	6.51	3.25
YES								
L0008427	0	0.19580E-06	474159.4	3749761.1	478.0	3.49	6.51	3.25
YES								
L0008428	0	0.19580E-06	474173.4	3749761.1	477.5	3.49	6.51	3.25
YES								
L0008429	0	0.19580E-06	474187.4	3749761.2	477.1	3.49	6.51	3.25
YES								
L0008430	0	0.19580E-06	474201.4	3749761.2	477.0	3.49	6.51	3.25
YES								
L0008431	0	0.19580E-06	474215.4	3749761.3	477.0	3.49	6.51	3.25
YES								
L0008432	0	0.19580E-06	474229.4	3749761.3	476.8	3.49	6.51	3.25
YES								
L0008433	0	0.19580E-06	474243.4	3749761.3	476.6	3.49	6.51	3.25
YES								
L0008434	0	0.19580E-06	474257.4	3749761.4	476.4	3.49	6.51	3.25
YES								
L0008435	0	0.19580E-06	474271.4	3749761.4	476.1	3.49	6.51	3.25
YES								
L0008436	0	0.19580E-06	474285.4	3749761.5	476.0	3.49	6.51	3.25
YES								
L0008437	0	0.19580E-06	474299.4	3749761.5	476.0	3.49	6.51	3.25
YES								
L0008438	0	0.19580E-06	474313.4	3749761.5	475.9	3.49	6.51	3.25



YES  
 L0008439 0 0.19580E-06 474327.4 3749761.6 475.4 3.49 6.51 3.25  
 YES  
 L0008440 0 0.19580E-06 474341.4 3749761.6 475.0 3.49 6.51 3.25  
 YES  
 L0008441 0 0.19580E-06 474355.4 3749761.7 475.0 3.49 6.51 3.25  
 YES  
 L0008442 0 0.19580E-06 474369.4 3749761.7 475.0 3.49 6.51 3.25  
 YES  
 L0008443 0 0.19580E-06 474383.4 3749761.7 474.5 3.49 6.51 3.25  
 YES  
 L0008444 0 0.19580E-06 474397.4 3749761.8 474.1 3.49 6.51 3.25  
 YES  
 L0008445 0 0.19580E-06 474411.4 3749761.8 474.0 3.49 6.51 3.25  
 YES  
 L0008446 0 0.19580E-06 474425.4 3749761.8 474.0 3.49 6.51 3.25  
 YES

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 33

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

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

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE		ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		X				
(METERS)	SCALAR			(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	VARY		BY					
	CATS.							
L0008447	0	0.19580E-06	474439.4	3749761.9	473.7	3.49	6.51	3.25
YES								
L0008448	0	0.19580E-06	474453.4	3749761.9	473.2	3.49	6.51	3.25
YES								
L0008449	0	0.19580E-06	474467.4	3749762.0	473.0	3.49	6.51	3.25
YES								
L0008450	0	0.19580E-06	474481.4	3749762.0	473.0	3.49	6.51	3.25
YES								
L0008451	0	0.19580E-06	474495.4	3749762.0	472.8	3.49	6.51	3.25
YES								
L0008452	0	0.19580E-06	474509.4	3749762.1	472.3	3.49	6.51	3.25
YES								
L0008453	0	0.19580E-06	474523.4	3749762.1	471.9	3.49	6.51	3.25
YES								
L0008454	0	0.19580E-06	474537.4	3749762.2	471.4	3.49	6.51	3.25
YES								
L0008455	0	0.19580E-06	474551.4	3749762.2	470.9	3.49	6.51	3.25
YES								
L0008456	0	0.19580E-06	474565.4	3749762.2	470.5	3.49	6.51	3.25
YES								
L0008457	0	0.19580E-06	474579.4	3749762.3	470.0	3.49	6.51	3.25
YES								
L0008458	0	0.19580E-06	474593.4	3749762.3	470.0	3.49	6.51	3.25
YES								
L0008459	0	0.19580E-06	474607.4	3749762.4	470.0	3.49	6.51	3.25
YES								
L0008460	0	0.19580E-06	474621.4	3749762.4	469.8	3.49	6.51	3.25
YES								
L0008461	0	0.19580E-06	474635.4	3749762.4	469.6	3.49	6.51	3.25

YES								
L0008462	0	0.19580E-06	474649.4	3749762.5	469.4	3.49	6.51	3.25
YES								
L0008463	0	0.19580E-06	474663.4	3749762.5	469.1	3.49	6.51	3.25
YES								
L0008464	0	0.19580E-06	474677.4	3749762.5	469.0	3.49	6.51	3.25
YES								
L0008465	0	0.19580E-06	474691.4	3749762.5	469.0	3.49	6.51	3.25
YES								
L0008466	0	0.19580E-06	474705.4	3749761.7	469.0	3.49	6.51	3.25
YES								
L0008467	0	0.19580E-06	474719.4	3749760.8	469.0	3.49	6.51	3.25
YES								
L0008468	0	0.19580E-06	474733.4	3749760.0	469.0	3.49	6.51	3.25
YES								
L0008469	0	0.19580E-06	474747.3	3749759.2	469.0	3.49	6.51	3.25
YES								
L0008470	0	0.19580E-06	474761.3	3749758.3	469.0	3.49	6.51	3.25
YES								
L0008471	0	0.19580E-06	474775.3	3749757.5	469.0	3.49	6.51	3.25
YES								
L0008472	0	0.19580E-06	474789.3	3749756.6	469.0	3.49	6.51	3.25
YES								
L0008473	0	0.19580E-06	474803.2	3749755.8	468.9	3.49	6.51	3.25
YES								
L0008474	0	0.19580E-06	474817.2	3749754.9	468.8	3.49	6.51	3.25
YES								
L0008475	0	0.19580E-06	474831.2	3749754.1	468.5	3.49	6.51	3.25
YES								
L0008476	0	0.19580E-06	474845.2	3749753.2	468.1	3.49	6.51	3.25
YES								
L0008477	0	0.19580E-06	474859.1	3749752.4	468.0	3.49	6.51	3.25
YES								
L0008478	0	0.19580E-06	474873.1	3749751.6	468.0	3.49	6.51	3.25
YES								
L0008479	0	0.19580E-06	474887.0	3749750.2	468.0	3.49	6.51	3.25
YES								
L0008480	0	0.19580E-06	474900.9	3749748.5	468.0	3.49	6.51	3.25
YES								
L0008481	0	0.19580E-06	474914.8	3749746.9	468.0	3.49	6.51	3.25
YES								
L0008482	0	0.19580E-06	474928.7	3749745.3	468.0	3.49	6.51	3.25
YES								
L0008483	0	0.19580E-06	474942.7	3749743.6	467.9	3.49	6.51	3.25
YES								
L0008484	0	0.19580E-06	474956.6	3749742.0	467.5	3.49	6.51	3.25
YES								
L0008485	0	0.19580E-06	474970.5	3749740.4	467.2	3.49	6.51	3.25
YES								
L0008486	0	0.19580E-06	474984.4	3749738.7	467.1	3.49	6.51	3.25
YES								

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

14:46:30

PAGE 34

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

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

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

ID (METERS)	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0008487	0	0.19580E-06	474998.3	3749737.1	467.0	3.49	6.51	3.25
YES								
L0008488	0	0.19580E-06	475012.1	3749735.0	467.0	3.49	6.51	3.25
YES								
L0008489	0	0.19580E-06	475025.9	3749732.7	467.0	3.49	6.51	3.25
YES								
L0008490	0	0.19580E-06	475039.7	3749730.5	467.0	3.49	6.51	3.25
YES								
L0008491	0	0.19580E-06	475053.6	3749728.2	467.0	3.49	6.51	3.25
YES								
L0008492	0	0.19580E-06	475067.4	3749726.0	467.0	3.49	6.51	3.25
YES								
L0008493	0	0.19580E-06	475081.2	3749723.7	467.0	3.49	6.51	3.25
YES								
L0008494	0	0.19580E-06	475095.0	3749721.5	467.0	3.49	6.51	3.25
YES								
L0008495	0	0.19580E-06	475107.1	3749715.2	467.0	3.49	6.51	3.25
YES								
L0008496	0	0.19580E-06	475118.2	3749706.7	467.0	3.49	6.51	3.25
YES								
L0008497	0	0.19580E-06	475129.2	3749698.1	467.0	3.49	6.51	3.25
YES								
L0008498	0	0.19580E-06	475140.3	3749689.5	467.0	3.49	6.51	3.25
YES								
L0008499	0	0.19580E-06	475151.4	3749680.9	466.9	3.49	6.51	3.25
YES								
L0008500	0	0.19580E-06	475162.4	3749672.4	466.6	3.49	6.51	3.25
YES								
L0008501	0	0.19580E-06	475173.5	3749663.8	466.2	3.49	6.51	3.25
YES								
L0008502	0	0.19580E-06	475184.6	3749655.2	466.0	3.49	6.51	3.25
YES								
L0008503	0	0.19580E-06	475195.6	3749646.6	466.0	3.49	6.51	3.25
YES								
L0008504	0	0.19580E-06	475200.3	3749633.7	466.0	3.49	6.51	3.25
YES								
L0008505	0	0.19580E-06	475204.1	3749620.2	466.0	3.49	6.51	3.25
YES								
L0008506	0	0.19580E-06	475207.9	3749606.8	466.0	3.49	6.51	3.25
YES								
L0008507	0	0.19580E-06	475211.7	3749593.3	466.0	3.49	6.51	3.25
YES								
L0008508	0	0.19580E-06	475215.5	3749579.8	466.0	3.49	6.51	3.25
YES								
L0008509	0	0.19580E-06	475219.3	3749566.4	466.0	3.49	6.51	3.25
YES								
L0008510	0	0.19580E-06	475221.1	3749552.6	466.0	3.49	6.51	3.25
YES								
L0008511	0	0.16650E-05	473450.3	3752041.6	475.3	3.49	6.51	3.25
YES								
L0008512	0	0.16650E-05	473464.2	3752043.0	475.1	3.49	6.51	3.25
YES								
L0008513	0	0.16650E-05	473478.1	3752044.3	475.0	3.49	6.51	3.25
YES								
L0008514	0	0.16650E-05	473492.1	3752045.7	475.0	3.49	6.51	3.25
YES								
L0008515	0	0.16650E-05	473506.0	3752047.0	474.9	3.49	6.51	3.25
YES								
L0008516	0	0.16650E-05	473519.9	3752048.4	474.5	3.49	6.51	3.25
YES								
L0008517	0	0.16650E-05	473533.9	3752049.7	474.2	3.49	6.51	3.25

YES  
 L0008518 0 0.16650E-05 473547.8 3752050.8 474.1 3.49 6.51 3.25  
 YES  
 L0008519 0 0.16650E-05 473561.8 3752052.0 473.9 3.49 6.51 3.25  
 YES  
 L0008520 0 0.16650E-05 473575.7 3752053.1 473.5 3.49 6.51 3.25  
 YES  
 L0008521 0 0.16650E-05 473589.7 3752054.3 473.0 3.49 6.51 3.25  
 YES  
 L0008522 0 0.16650E-05 473603.6 3752055.4 472.6 3.49 6.51 3.25  
 YES  
 L0008523 0 0.16650E-05 473617.6 3752056.6 472.1 3.49 6.51 3.25  
 YES  
 L0008524 0 0.16650E-05 473631.5 3752057.7 472.4 3.49 6.51 3.25  
 YES  
 L0008525 0 0.16650E-05 473645.5 3752058.9 472.8 3.49 6.51 3.25  
 YES  
 L0008526 0 0.16650E-05 473659.5 3752059.5 472.9 3.49 6.51 3.25  
 YES

**FF** \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* \*\*\* 14:46:30

PAGE 35

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

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

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE		ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		X	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR	VARY	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	CATS.							
L0008527	0	0.16650E-05	473673.5	3752059.6	473.0	3.49	6.51	3.25
YES								
L0008528	0	0.16650E-05	473687.5	3752059.7	473.0	3.49	6.51	3.25
YES								
L0008529	0	0.16650E-05	473701.5	3752059.8	473.0	3.49	6.51	3.25
YES								
L0008530	0	0.16650E-05	473715.5	3752059.9	473.0	3.49	6.51	3.25
YES								
L0008531	0	0.16650E-05	473729.5	3752060.0	472.9	3.49	6.51	3.25
YES								
L0008532	0	0.16650E-05	473743.5	3752060.1	472.9	3.49	6.51	3.25
YES								
L0008533	0	0.16650E-05	473757.5	3752060.2	472.9	3.49	6.51	3.25
YES								
L0008534	0	0.16650E-05	473771.4	3752060.9	472.9	3.49	6.51	3.25
YES								
L0008535	0	0.16650E-05	473785.3	3752062.6	472.8	3.49	6.51	3.25
YES								
L0008536	0	0.16650E-05	473799.2	3752064.3	472.7	3.49	6.51	3.25
YES								
L0008537	0	0.16650E-05	473813.1	3752066.0	472.7	3.49	6.51	3.25
YES								
L0008538	0	0.16650E-05	473827.0	3752067.7	472.6	3.49	6.51	3.25
YES								
L0008539	0	0.16650E-05	473840.9	3752069.4	472.7	3.49	6.51	3.25
YES								
L0008540	0	0.16650E-05	473854.8	3752071.3	472.9	3.49	6.51	3.25

YES								
L0008541	0	0.16650E-05	473868.3	3752075.0	472.8	3.49	6.51	3.25
YES								
L0008542	0	0.16650E-05	473881.8	3752078.7	472.5	3.49	6.51	3.25
YES								
L0008543	0	0.16650E-05	473895.3	3752082.4	472.1	3.49	6.51	3.25
YES								
L0008544	0	0.16650E-05	473908.8	3752086.1	472.0	3.49	6.51	3.25
YES								
L0008545	0	0.16650E-05	473922.3	3752089.6	471.8	3.49	6.51	3.25
YES								
L0008546	0	0.16650E-05	473936.2	3752091.7	471.4	3.49	6.51	3.25
YES								
L0008547	0	0.16650E-05	473950.0	3752093.9	471.0	3.49	6.51	3.25
YES								
L0008548	0	0.16650E-05	473963.8	3752096.0	470.9	3.49	6.51	3.25
YES								
L0008549	0	0.16650E-05	473977.7	3752098.1	470.6	3.49	6.51	3.25
YES								
L0008550	0	0.16650E-05	473991.5	3752100.2	470.3	3.49	6.51	3.25
YES								
L0008551	0	0.16650E-05	474005.3	3752102.4	470.1	3.49	6.51	3.25
YES								
L0008552	0	0.16650E-05	474019.2	3752104.5	470.0	3.49	6.51	3.25
YES								
L0008553	0	0.16650E-05	474033.0	3752106.6	470.0	3.49	6.51	3.25
YES								
L0008554	0	0.16650E-05	474046.9	3752108.7	470.0	3.49	6.51	3.25
YES								
L0008555	0	0.16650E-05	474060.7	3752110.9	470.0	3.49	6.51	3.25
YES								
L0008556	0	0.16650E-05	474074.5	3752113.0	470.0	3.49	6.51	3.25
YES								
L0008557	0	0.16650E-05	474088.4	3752115.1	470.0	3.49	6.51	3.25
YES								
L0008558	0	0.16650E-05	474102.2	3752117.2	470.0	3.49	6.51	3.25
YES								
L0008559	0	0.16650E-05	474116.1	3752119.4	470.0	3.49	6.51	3.25
YES								
L0008560	0	0.16650E-05	474129.9	3752121.5	470.0	3.49	6.51	3.25
YES								
L0008561	0	0.16650E-05	474143.7	3752123.6	470.0	3.49	6.51	3.25
YES								
L0008562	0	0.16650E-05	474157.6	3752125.7	470.0	3.49	6.51	3.25
YES								
L0008563	0	0.16650E-05	474171.4	3752127.9	470.0	3.49	6.51	3.25
YES								
L0008564	0	0.16650E-05	474185.2	3752130.1	470.0	3.49	6.51	3.25
YES								
L0008565	0	0.16650E-05	474199.0	3752132.4	470.0	3.49	6.51	3.25
YES								
L0008566	0	0.16650E-05	474212.8	3752134.7	470.0	3.49	6.51	3.25
YES								

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

14:46:30

PAGE 36

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

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

NUMBER EMISSION RATE  
 URBAN EMISSION RATE

BASE RELEASE INIT. INIT.

SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
SOURCE	SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
ID	CATS.	BY						
(METERS)								
L0008567	0	0.16650E-05	474226.7	3752137.0	470.0	3.49	6.51	3.25
YES								
L0008568	0	0.16650E-05	474240.5	3752139.3	470.0	3.49	6.51	3.25
YES								
L0008569	0	0.16650E-05	474254.3	3752141.6	470.2	3.49	6.51	3.25
YES								
L0008570	0	0.16650E-05	474268.1	3752143.9	470.6	3.49	6.51	3.25
YES								
L0008571	0	0.58430E-07	474282.5	3752146.3	471.1	3.49	6.51	3.25
YES								
L0008572	0	0.58430E-07	474296.3	3752149.0	471.5	3.49	6.51	3.25
YES								
L0008573	0	0.58430E-07	474310.0	3752151.6	471.8	3.49	6.51	3.25
YES								
L0008574	0	0.58430E-07	474323.7	3752154.3	472.1	3.49	6.51	3.25
YES								
L0008575	0	0.58430E-07	474337.5	3752157.0	472.3	3.49	6.51	3.25
YES								
L0008576	0	0.58430E-07	474351.2	3752159.7	472.1	3.49	6.51	3.25
YES								
L0008577	0	0.58430E-07	474365.0	3752162.4	471.9	3.49	6.51	3.25
YES								
L0008578	0	0.58430E-07	474378.7	3752165.0	471.9	3.49	6.51	3.25
YES								
L0008579	0	0.58430E-07	474392.5	3752167.7	472.1	3.49	6.51	3.25
YES								
L0008580	0	0.58430E-07	474406.2	3752170.4	472.2	3.49	6.51	3.25
YES								
L0008581	0	0.58430E-07	474419.9	3752173.1	472.1	3.49	6.51	3.25
YES								
L0008582	0	0.58430E-07	474433.7	3752175.8	472.0	3.49	6.51	3.25
YES								
L0008583	0	0.58430E-07	474447.4	3752178.5	472.0	3.49	6.51	3.25
YES								
L0008584	0	0.58430E-07	474461.2	3752181.1	472.0	3.49	6.51	3.25
YES								
L0008585	0	0.58430E-07	474474.9	3752183.8	472.0	3.49	6.51	3.25
YES								
L0008586	0	0.58430E-07	474488.6	3752186.5	472.0	3.49	6.51	3.25
YES								
L0008587	0	0.58430E-07	474502.4	3752189.2	472.0	3.49	6.51	3.25
YES								
L0008588	0	0.58430E-07	474516.1	3752191.9	472.0	3.49	6.51	3.25
YES								
L0008589	0	0.58430E-07	474529.9	3752194.5	472.0	3.49	6.51	3.25
YES								
L0008590	0	0.58430E-07	474543.6	3752197.2	472.0	3.49	6.51	3.25
YES								
L0008591	0	0.58430E-07	474557.3	3752199.9	472.0	3.49	6.51	3.25
YES								
L0008592	0	0.58430E-07	474571.1	3752202.6	472.0	3.49	6.51	3.25
YES								
L0008593	0	0.58430E-07	474584.8	3752205.3	472.0	3.49	6.51	3.25
YES								
L0008594	0	0.58430E-07	474598.6	3752207.9	472.0	3.49	6.51	3.25
YES								
L0008595	0	0.58430E-07	474612.3	3752210.6	472.0	3.49	6.51	3.25
YES								
L0008596	0	0.58430E-07	474626.0	3752213.3	472.0	3.49	6.51	3.25

YES  
 L0008597 0 0.58430E-07 474639.8 3752215.8 472.0 3.49 6.51 3.25  
 YES  
 L0008598 0 0.58430E-07 474653.6 3752218.0 472.0 3.49 6.51 3.25  
 YES  
 L0008599 0 0.58430E-07 474667.5 3752220.2 472.0 3.49 6.51 3.25  
 YES  
 L0008600 0 0.58430E-07 474681.4 3752221.0 472.0 3.49 6.51 3.25  
 YES  
 L0008601 0 0.58430E-07 474695.4 3752221.8 472.0 3.49 6.51 3.25  
 YES  
 L0008602 0 0.58430E-07 474709.4 3752222.6 472.0 3.49 6.51 3.25  
 YES  
 L0008603 0 0.58430E-07 474723.4 3752223.4 472.0 3.49 6.51 3.25  
 YES  
 L0008604 0 0.58430E-07 474737.4 3752224.1 472.0 3.49 6.51 3.25  
 YES  
 L0008605 0 0.58430E-07 474751.3 3752224.9 472.0 3.49 6.51 3.25  
 YES  
 L0008606 0 0.58430E-07 474765.3 3752224.8 472.0 3.49 6.51 3.25  
 YES

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* \*\*\* 14:46:30

PAGE 37

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

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

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE		ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0008607	0	0.58430E-07	474779.3	3752224.6	472.0	3.49	6.51	3.25
YES								
L0008608	0	0.58430E-07	474793.3	3752224.5	472.0	3.49	6.51	3.25
YES								
L0008609	0	0.58430E-07	474807.3	3752224.4	472.0	3.49	6.51	3.25
YES								
L0008610	0	0.58430E-07	474821.3	3752224.2	472.0	3.49	6.51	3.25
YES								
L0008611	0	0.58430E-07	474835.3	3752224.1	472.0	3.49	6.51	3.25
YES								
L0008612	0	0.58430E-07	474849.3	3752223.9	472.0	3.49	6.51	3.25
YES								
L0008613	0	0.58430E-07	474863.3	3752223.8	472.4	3.49	6.51	3.25
YES								
L0008614	0	0.58430E-07	474877.3	3752223.6	472.9	3.49	6.51	3.25
YES								
L0008615	0	0.58430E-07	474891.3	3752223.5	473.0	3.49	6.51	3.25
YES								
L0008616	0	0.58430E-07	474905.3	3752223.3	473.0	3.49	6.51	3.25
YES								
L0008617	0	0.58430E-07	474919.3	3752223.2	472.7	3.49	6.51	3.25
YES								
L0008618	0	0.58430E-07	474933.3	3752223.0	472.2	3.49	6.51	3.25
YES								
L0008619	0	0.58430E-07	474947.3	3752222.9	472.0	3.49	6.51	3.25

YES								
L0008620	0	0.58430E-07	474961.3	3752222.9	472.0	3.49	6.51	3.25
YES								
L0008621	0	0.58430E-07	474975.3	3752222.9	472.0	3.49	6.51	3.25
YES								
L0008622	0	0.58430E-07	474989.3	3752223.0	472.0	3.49	6.51	3.25
YES								
L0008623	0	0.58430E-07	475003.3	3752223.0	472.0	3.49	6.51	3.25
YES								
L0008624	0	0.58430E-07	475017.3	3752223.1	472.0	3.49	6.51	3.25
YES								
L0008625	0	0.58430E-07	475031.3	3752223.1	472.0	3.49	6.51	3.25
YES								
L0008626	0	0.58430E-07	475045.3	3752223.2	472.0	3.49	6.51	3.25
YES								
L0008627	0	0.58430E-07	475059.3	3752223.2	472.0	3.49	6.51	3.25
YES								
L0008628	0	0.58430E-07	475073.3	3752223.3	472.0	3.49	6.51	3.25
YES								
L0008629	0	0.58430E-07	475087.3	3752223.4	472.0	3.49	6.51	3.25
YES								
L0008630	0	0.58430E-07	475101.3	3752223.4	472.0	3.49	6.51	3.25
YES								
L0008631	0	0.58430E-07	475115.3	3752223.5	472.0	3.49	6.51	3.25
YES								
L0008632	0	0.58430E-07	475129.3	3752223.5	472.0	3.49	6.51	3.25
YES								
L0008633	0	0.58430E-07	475143.3	3752223.6	472.0	3.49	6.51	3.25
YES								
L0008634	0	0.58430E-07	475157.3	3752223.6	472.0	3.49	6.51	3.25
YES								
L0008635	0	0.58430E-07	475171.3	3752223.7	472.0	3.49	6.51	3.25
YES								
L0008636	0	0.58430E-07	475185.3	3752223.7	472.0	3.49	6.51	3.25
YES								
L0008637	0	0.58430E-07	475199.3	3752223.8	472.0	3.49	6.51	3.25
YES								
L0008638	0	0.58430E-07	475213.3	3752223.8	472.0	3.49	6.51	3.25
YES								
L0008639	0	0.58430E-07	475227.3	3752223.9	472.0	3.49	6.51	3.25
YES								
L0008640	0	0.58430E-07	475241.3	3752224.0	472.0	3.49	6.51	3.25
YES								
L0008641	0	0.58430E-07	475255.3	3752224.0	472.0	3.49	6.51	3.25
YES								
L0008642	0	0.58430E-07	475269.3	3752224.1	472.0	3.49	6.51	3.25
YES								
L0008643	0	0.58430E-07	475283.3	3752224.1	472.0	3.49	6.51	3.25
YES								
L0008644	0	0.58430E-07	475297.3	3752224.2	472.0	3.49	6.51	3.25
YES								
L0008645	0	0.58430E-07	475311.3	3752224.2	472.0	3.49	6.51	3.25
YES								
L0008646	0	0.58430E-07	475325.3	3752224.3	472.0	3.49	6.51	3.25
YES								

**FF** \*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* \*\*\* 14:46:30

PAGE 38

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

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



SOURCE SOURCE ID (METERS)	PART. SCALAR VARY CATS.	NUMBER	EMISSION RATE	X	Y	BASE	RELEASE	INIT.	INIT.
		URBAN	(GRAMS/SEC)			ELEV.	HEIGHT	SY	SZ
			BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
L0008647	0	0.58430E-07		475339.3	3752224.3	472.0	3.49	6.51	3.25
YES									
L0008648	0	0.58430E-07		475353.3	3752224.4	472.0	3.49	6.51	3.25
YES									
L0008649	0	0.58430E-07		475367.3	3752224.5	472.0	3.49	6.51	3.25
YES									
L0008650	0	0.58430E-07		475381.3	3752224.5	472.0	3.49	6.51	3.25
YES									
L0008651	0	0.58430E-07		475395.3	3752224.6	472.0	3.49	6.51	3.25
YES									
L0008652	0	0.58430E-07		475409.3	3752224.6	472.0	3.49	6.51	3.25
YES									
L0008653	0	0.58430E-07		475423.3	3752224.7	472.0	3.49	6.51	3.25
YES									
L0008654	0	0.58430E-07		475437.3	3752224.7	472.0	3.49	6.51	3.25
YES									
L0008655	0	0.58430E-07		475451.3	3752224.8	472.0	3.49	6.51	3.25
YES									
L0008656	0	0.58430E-07		475465.3	3752224.8	472.0	3.49	6.51	3.25
YES									
L0008657	0	0.58430E-07		475479.3	3752224.9	472.0	3.49	6.51	3.25
YES									
L0008658	0	0.58430E-07		475493.3	3752224.9	472.0	3.49	6.51	3.25
YES									
L0008659	0	0.58430E-07		475507.3	3752225.0	472.0	3.49	6.51	3.25
YES									
L0008660	0	0.58430E-07		475521.3	3752225.1	472.0	3.49	6.51	3.25
YES									
L0008661	0	0.58430E-07		475535.3	3752225.1	472.0	3.49	6.51	3.25
YES									
L0008662	0	0.58430E-07		475549.3	3752225.2	472.0	3.49	6.51	3.25
YES									
L0008663	0	0.58430E-07		475563.3	3752225.2	472.0	3.49	6.51	3.25
YES									
L0008664	0	0.58430E-07		475577.3	3752225.3	472.0	3.49	6.51	3.25
YES									
L0008665	0	0.58430E-07		475591.3	3752225.3	472.0	3.49	6.51	3.25
YES									
L0008666	0	0.58430E-07		475605.3	3752225.4	472.0	3.49	6.51	3.25
YES									
L0008667	0	0.58430E-07		475619.3	3752225.4	472.0	3.49	6.51	3.25
YES									
L0008668	0	0.58430E-07		475633.3	3752225.5	472.0	3.49	6.51	3.25
YES									
L0008669	0	0.58430E-07		475647.3	3752225.5	472.0	3.49	6.51	3.25
YES									
L0008670	0	0.58430E-07		475661.3	3752225.6	472.0	3.49	6.51	3.25
YES									
L0008671	0	0.58430E-07		475675.3	3752225.7	472.0	3.49	6.51	3.25
YES									
L0008672	0	0.58430E-07		475689.3	3752225.7	472.0	3.49	6.51	3.25
YES									
L0008673	0	0.58430E-07		475703.3	3752225.8	472.0	3.49	6.51	3.25
YES									
L0008674	0	0.58430E-07		475717.3	3752225.8	472.0	3.49	6.51	3.25
YES									
L0008675	0	0.58430E-07		475731.3	3752225.9	472.0	3.49	6.51	3.25

```

YES
L0008676      0  0.58430E-07  475745.3 3752225.9  472.0    3.49    6.51    3.25
YES
L0008677      0  0.58430E-07  475759.3 3752226.0  472.0    3.49    6.51    3.25
YES
L0008678      0  0.58430E-07  475773.3 3752226.0  472.0    3.49    6.51    3.25
YES
L0008679      0  0.58430E-07  475787.3 3752226.1  472.0    3.49    6.51    3.25
YES
L0008680      0  0.58430E-07  475801.3 3752226.2  472.0    3.49    6.51    3.25
YES
L0008681      0  0.58430E-07  475815.3 3752226.2  472.0    3.49    6.51    3.25
YES
L0008682      0  0.58430E-07  475829.3 3752226.3  472.0    3.49    6.51    3.25
YES
L0008683      0  0.58430E-07  475843.3 3752226.3  472.0    3.49    6.51    3.25
YES
L0008684      0  0.58430E-07  475857.3 3752226.4  472.0    3.49    6.51    3.25
YES
L0008685      0  0.79350E-06  471210.6 3752237.5  516.6    3.49    4.00    3.25
YES
L0008686      0  0.79350E-06  471210.6 3752228.9  517.0    3.49    4.00    3.25
YES

```

```

*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***      10/07/22

```

```

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

```

```

***      14:46:30

```

```

PAGE 39

```

```

*** MODELOPTs:      RegDFault CONC ELEV URBAN ADJ_U*

```


```

*** VOLUME SOURCE DATA ***

```

SOURCE	NUMBER	EMISSION	RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION				ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	X	Y		(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	BY	(METERS)	(METERS)		(METERS)	(METERS)	(METERS)	(METERS)
	CATS.								
L0008687	0	0.79350E-06	471210.6	3752220.3		517.2	3.49	4.00	3.25
YES									
L0008688	0	0.79350E-06	471210.6	3752211.7		517.5	3.49	4.00	3.25
YES									
L0008689	0	0.79350E-06	471211.3	3752203.8		517.7	3.49	4.00	3.25
YES									
L0008690	0	0.79350E-06	471219.9	3752203.8		518.0	3.49	4.00	3.25
YES									
L0008691	0	0.79350E-06	471228.5	3752203.8		518.0	3.49	4.00	3.25
YES									
L0008692	0	0.79350E-06	471237.1	3752203.7		518.1	3.49	4.00	3.25
YES									
L0008693	0	0.79350E-06	471245.7	3752203.7		518.1	3.49	4.00	3.25
YES									
L0008694	0	0.79350E-06	471254.2	3752203.7		518.1	3.49	4.00	3.25
YES									
L0008695	0	0.79350E-06	471262.8	3752203.7		518.1	3.49	4.00	3.25
YES									
L0008696	0	0.79350E-06	471271.4	3752203.7		518.1	3.49	4.00	3.25
YES									
L0008697	0	0.79350E-06	471280.0	3752203.7		518.1	3.49	4.00	3.25
YES									
L0008698	0	0.79350E-06	471288.6	3752203.7		518.4	3.49	4.00	3.25

YES								
L0008699	0	0.79350E-06	471297.2	3752203.7	518.8	3.49	4.00	3.25
YES								
L0008700	0	0.79350E-06	471305.8	3752203.7	519.1	3.49	4.00	3.25
YES								
L0008701	0	0.79350E-06	471314.4	3752203.6	519.4	3.49	4.00	3.25
YES								
L0008702	0	0.79350E-06	471323.0	3752203.6	519.7	3.49	4.00	3.25
YES								
L0008703	0	0.79350E-06	471331.6	3752203.6	520.0	3.49	4.00	3.25
YES								
L0008704	0	0.79350E-06	471340.1	3752203.6	520.3	3.49	4.00	3.25
YES								
L0008705	0	0.79350E-06	471348.7	3752203.6	520.9	3.49	4.00	3.25
YES								
L0008706	0	0.79350E-06	471357.3	3752203.6	521.4	3.49	4.00	3.25
YES								
L0008707	0	0.79350E-06	471365.9	3752203.6	522.0	3.49	4.00	3.25
YES								
L0008708	0	0.79350E-06	471374.5	3752203.6	522.4	3.49	4.00	3.25
YES								
L0008709	0	0.79350E-06	471383.1	3752203.6	522.7	3.49	4.00	3.25
YES								
L0008710	0	0.79350E-06	471391.7	3752203.5	522.9	3.49	4.00	3.25
YES								
L0008711	0	0.79350E-06	471400.3	3752203.5	523.2	3.49	4.00	3.25
YES								
L0008712	0	0.79350E-06	471408.9	3752203.5	523.8	3.49	4.00	3.25
YES								
L0008713	0	0.79350E-06	471417.5	3752203.5	524.4	3.49	4.00	3.25
YES								
L0008714	0	0.79350E-06	471426.0	3752203.5	525.0	3.49	4.00	3.25
YES								
L0008715	0	0.79350E-06	471434.6	3752203.5	525.4	3.49	4.00	3.25
YES								
L0008716	0	0.79350E-06	471443.2	3752203.5	525.7	3.49	4.00	3.25
YES								
L0008717	0	0.79350E-06	471451.8	3752203.5	526.0	3.49	4.00	3.25
YES								
L0008718	0	0.79350E-06	471460.4	3752203.5	526.3	3.49	4.00	3.25
YES								
L0008719	0	0.79350E-06	471469.0	3752203.5	526.1	3.49	4.00	3.25
YES								
L0008720	0	0.79350E-06	471477.6	3752203.4	525.8	3.49	4.00	3.25
YES								
L0008721	0	0.79350E-06	471486.2	3752203.4	525.6	3.49	4.00	3.25
YES								
L0008722	0	0.79350E-06	471494.8	3752203.4	525.7	3.49	4.00	3.25
YES								
L0008723	0	0.79350E-06	471503.4	3752203.4	525.9	3.49	4.00	3.25
YES								
L0008724	0	0.79350E-06	471511.9	3752203.4	526.2	3.49	4.00	3.25
YES								
L0008725	0	0.79350E-06	471520.5	3752203.4	526.4	3.49	4.00	3.25
YES								
L0008726	0	0.79350E-06	471529.1	3752203.4	526.4	3.49	4.00	3.25
YES								

 \*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\*

\*\*\* 14:46:30

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

SOURCE	NUMBER URBAN PART.	EMISSION RATE (GRAMS/SEC)	EMISSION RATE	RATE	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ
SOURCE ID (METERS)	SCALAR VARY CATS.		X (METERS)	Y (METERS)	(METERS)	(METERS)	(METERS)	
		BY						
L0008727	0	0.79350E-06	471537.7	3752203.4	526.3	3.49	4.00	3.25
YES								
L0008728	0	0.79350E-06	471546.3	3752203.4	526.2	3.49	4.00	3.25
YES								
L0008729	0	0.79350E-06	471554.9	3752203.3	525.9	3.49	4.00	3.25
YES								
L0008730	0	0.79350E-06	471563.5	3752203.3	525.3	3.49	4.00	3.25
YES								
L0008731	0	0.79350E-06	471572.1	3752203.3	524.7	3.49	4.00	3.25
YES								
L0008732	0	0.79350E-06	471580.7	3752203.3	524.3	3.49	4.00	3.25
YES								
L0008733	0	0.79350E-06	471589.3	3752203.3	524.5	3.49	4.00	3.25
YES								
L0008734	0	0.79350E-06	471597.8	3752203.3	524.8	3.49	4.00	3.25
YES								
L0008735	0	0.79350E-06	471606.4	3752203.3	525.1	3.49	4.00	3.25
YES								
L0008736	0	0.79350E-06	471615.0	3752203.3	525.4	3.49	4.00	3.25
YES								
L0008737	0	0.79350E-06	471623.6	3752203.3	525.6	3.49	4.00	3.25
YES								
L0008738	0	0.79350E-06	471632.2	3752203.2	525.9	3.49	4.00	3.25
YES								
L0008739	0	0.79350E-06	471640.8	3752203.2	526.1	3.49	4.00	3.25
YES								
L0008740	0	0.79350E-06	471649.4	3752203.2	526.1	3.49	4.00	3.25
YES								
L0008741	0	0.79350E-06	471658.0	3752203.2	526.1	3.49	4.00	3.25
YES								
L0008742	0	0.79350E-06	471666.6	3752203.2	526.1	3.49	4.00	3.25
YES								
L0008743	0	0.79350E-06	471675.2	3752203.2	526.1	3.49	4.00	3.25
YES								
L0008744	0	0.79350E-06	471683.7	3752203.2	526.1	3.49	4.00	3.25
YES								
L0008745	0	0.79350E-06	471692.3	3752203.2	526.0	3.49	4.00	3.25
YES								
L0008746	0	0.79350E-06	471700.9	3752203.2	525.9	3.49	4.00	3.25
YES								
L0008747	0	0.79350E-06	471709.5	3752203.2	525.3	3.49	4.00	3.25
YES								
L0008748	0	0.79350E-06	471718.1	3752203.1	524.8	3.49	4.00	3.25
YES								
L0008749	0	0.79350E-06	471726.7	3752203.1	524.2	3.49	4.00	3.25
YES								
L0008750	0	0.79350E-06	471733.4	3752201.2	523.6	3.49	4.00	3.25
YES								
L0008751	0	0.79350E-06	471733.3	3752192.6	523.6	3.49	4.00	3.25
YES								
L0008752	0	0.79350E-06	471733.2	3752184.1	523.5	3.49	4.00	3.25
YES								
L0008753	0	0.79350E-06	471733.2	3752175.5	523.6	3.49	4.00	3.25
YES								
L0008754	0	0.79350E-06	471733.1	3752166.9	523.8	3.49	4.00	3.25

```

YES
L0008755      0  0.79350E-06  471733.0  3752158.3  524.1    3.49    4.00    3.25
YES
L0008756      0  0.79350E-06  471733.0  3752149.7  524.4    3.49    4.00    3.25
YES
L0008757      0  0.79350E-06  471732.9  3752141.1  524.7    3.49    4.00    3.25
YES
L0008758      0  0.79350E-06  471732.8  3752132.5  525.0    3.49    4.00    3.25
YES
L0008759      0  0.79350E-06  471732.8  3752123.9  525.3    3.49    4.00    3.25
YES
L0008760      0  0.79350E-06  471732.7  3752115.3  525.6    3.49    4.00    3.25
YES
L0008761      0  0.79350E-06  471732.6  3752106.7  525.9    3.49    4.00    3.25
YES
L0008762      0  0.79350E-06  471732.6  3752098.2  526.3    3.49    4.00    3.25
YES
L0008763      0  0.79350E-06  471732.5  3752089.6  526.6    3.49    4.00    3.25
YES
L0008764      0  0.79350E-06  471732.4  3752081.0  526.9    3.49    4.00    3.25
YES
L0008765      0  0.79350E-06  471732.4  3752072.4  527.2    3.49    4.00    3.25
YES
L0008766      0  0.79350E-06  471732.3  3752063.8  527.5    3.49    4.00    3.25
YES

```

```

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/07/22
*** AERMET - VERSION 16216 ***
*** *** 14:46:30

```

PAGE 41

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

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

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.	
SOURCE	PART.	EMISSION	RATE	X	ELEV.	HEIGHT	SY	SZ	
ID	SCALAR	(GRAMS/SEC)	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
L0008767	0	0.79350E-06		471732.2	3752055.2	527.8	3.49	4.00	3.25
YES									
L0008768	0	0.79350E-06		471732.2	3752046.6	528.1	3.49	4.00	3.25
YES									
L0008769	0	0.79350E-06		471732.1	3752038.0	528.4	3.49	4.00	3.25
YES									
L0008770	0	0.79350E-06		471732.0	3752029.4	528.7	3.49	4.00	3.25
YES									
L0008771	0	0.79350E-06		471732.0	3752020.8	529.0	3.49	4.00	3.25
YES									
L0008772	0	0.79350E-06		471731.9	3752012.3	529.3	3.49	4.00	3.25
YES									
L0008773	0	0.79350E-06		471731.8	3752003.7	529.7	3.49	4.00	3.25
YES									
L0008774	0	0.79350E-06		471731.8	3751995.1	530.0	3.49	4.00	3.25
YES									
L0008775	0	0.79350E-06		471731.7	3751986.5	530.3	3.49	4.00	3.25
YES									
L0008776	0	0.79350E-06		471731.6	3751977.9	530.6	3.49	4.00	3.25
YES									
L0008777	0	0.79350E-06		471731.6	3751969.3	530.8	3.49	4.00	3.25

YES								
L0008778	0	0.79350E-06	471731.5	3751960.7	531.1	3.49	4.00	3.25
YES								
L0008779	0	0.79350E-06	471730.7	3751952.9	531.4	3.49	4.00	3.25
YES								
L0008780	0	0.79350E-06	471722.1	3751952.8	532.1	3.49	4.00	3.25
YES								
L0008781	0	0.79350E-06	471713.5	3751952.7	532.8	3.49	4.00	3.25
YES								
L0008782	0	0.79350E-06	471704.9	3751952.6	533.4	3.49	4.00	3.25
YES								
L0008783	0	0.79350E-06	471696.3	3751952.5	533.9	3.49	4.00	3.25
YES								
L0008784	0	0.79350E-06	471687.7	3751952.4	534.1	3.49	4.00	3.25
YES								
L0008785	0	0.79350E-06	471679.1	3751952.4	534.3	3.49	4.00	3.25
YES								
L0008786	0	0.79350E-06	471670.5	3751952.3	534.4	3.49	4.00	3.25
YES								
L0008787	0	0.79350E-06	471662.0	3751952.2	534.7	3.49	4.00	3.25
YES								
L0008788	0	0.79350E-06	471653.4	3751952.1	535.0	3.49	4.00	3.25
YES								
L0008789	0	0.79350E-06	471644.8	3751952.0	535.3	3.49	4.00	3.25
YES								
L0008790	0	0.79350E-06	471636.2	3751951.9	535.5	3.49	4.00	3.25
YES								
L0008791	0	0.79350E-06	471627.6	3751951.8	535.7	3.49	4.00	3.25
YES								
L0008792	0	0.79350E-06	471619.0	3751951.8	535.8	3.49	4.00	3.25
YES								
L0008793	0	0.79350E-06	471610.4	3751951.7	536.0	3.49	4.00	3.25
YES								
L0008794	0	0.79350E-06	471601.8	3751951.6	535.9	3.49	4.00	3.25
YES								
L0008795	0	0.79350E-06	471593.2	3751951.5	535.7	3.49	4.00	3.25
YES								
L0008796	0	0.79350E-06	471584.7	3751951.4	535.6	3.49	4.00	3.25
YES								
L0008797	0	0.79350E-06	471576.1	3751951.3	535.3	3.49	4.00	3.25
YES								
L0008798	0	0.79350E-06	471567.5	3751951.2	534.9	3.49	4.00	3.25
YES								
L0008799	0	0.79350E-06	471558.9	3751951.2	534.5	3.49	4.00	3.25
YES								
L0008800	0	0.79350E-06	471550.3	3751951.1	534.0	3.49	4.00	3.25
YES								
L0008801	0	0.79350E-06	471541.7	3751951.0	533.6	3.49	4.00	3.25
YES								
L0008802	0	0.79350E-06	471533.1	3751950.9	533.2	3.49	4.00	3.25
YES								
L0008803	0	0.79350E-06	471524.5	3751950.8	532.8	3.49	4.00	3.25
YES								
L0008804	0	0.79350E-06	471515.9	3751950.7	532.3	3.49	4.00	3.25
YES								
L0008805	0	0.79350E-06	471507.3	3751950.6	531.9	3.49	4.00	3.25
YES								
L0008806	0	0.79350E-06	471498.8	3751950.6	531.5	3.49	4.00	3.25
YES								

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

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

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	CATS.	BY					
L0008807	0	0.79350E-06	471490.2	3751950.5	531.0	3.49	4.00	3.25
YES								
L0008808	0	0.79350E-06	471481.6	3751950.4	530.7	3.49	4.00	3.25
YES								
L0008809	0	0.79350E-06	471473.0	3751950.3	530.4	3.49	4.00	3.25
YES								
L0008810	0	0.79350E-06	471464.4	3751950.2	530.2	3.49	4.00	3.25
YES								
L0008811	0	0.79350E-06	471455.8	3751950.1	529.8	3.49	4.00	3.25
YES								
L0008812	0	0.79350E-06	471447.2	3751950.0	529.2	3.49	4.00	3.25
YES								
L0008813	0	0.79350E-06	471438.6	3751950.0	528.6	3.49	4.00	3.25
YES								
L0008814	0	0.79350E-06	471430.0	3751949.9	528.0	3.49	4.00	3.25
YES								
L0008815	0	0.79350E-06	471421.5	3751949.8	527.6	3.49	4.00	3.25
YES								
L0008816	0	0.79350E-06	471412.9	3751949.7	527.1	3.49	4.00	3.25
YES								
L0008817	0	0.79350E-06	471404.3	3751949.6	526.7	3.49	4.00	3.25
YES								
L0008818	0	0.79350E-06	471395.7	3751949.5	526.1	3.49	4.00	3.25
YES								
L0008819	0	0.79350E-06	471387.1	3751949.4	525.4	3.49	4.00	3.25
YES								
L0008820	0	0.79350E-06	471378.5	3751949.4	524.7	3.49	4.00	3.25
YES								
L0008821	0	0.79350E-06	471369.9	3751949.3	524.0	3.49	4.00	3.25
YES								
L0008822	0	0.79350E-06	471361.3	3751949.2	523.7	3.49	4.00	3.25
YES								
L0008823	0	0.79350E-06	471352.7	3751949.1	523.4	3.49	4.00	3.25
YES								
L0008824	0	0.79350E-06	471344.1	3751949.0	523.1	3.49	4.00	3.25
YES								
L0008825	0	0.79350E-06	471335.6	3751948.9	522.9	3.49	4.00	3.25
YES								
L0008826	0	0.79350E-06	471327.0	3751948.9	522.6	3.49	4.00	3.25
YES								
L0008827	0	0.79350E-06	471318.4	3751948.8	522.3	3.49	4.00	3.25
YES								
L0008828	0	0.79350E-06	471309.8	3751948.7	522.0	3.49	4.00	3.25
YES								
L0008829	0	0.79350E-06	471301.2	3751948.6	522.1	3.49	4.00	3.25
YES								
L0008830	0	0.79350E-06	471292.6	3751948.5	522.1	3.49	4.00	3.25
YES								
L0008831	0	0.79350E-06	471284.0	3751948.4	522.2	3.49	4.00	3.25
YES								
L0008832	0	0.79350E-06	471275.4	3751948.3	522.4	3.49	4.00	3.25
YES								
L0008833	0	0.79350E-06	471266.9	3751947.9	522.8	3.49	4.00	3.25

YES	L0008834	0	0.79350E-06	471258.3	3751947.2	523.3	3.49	4.00	3.25
YES	L0008835	0	0.79350E-06	471249.7	3751946.4	523.7	3.49	4.00	3.25
YES	L0008836	0	0.79350E-06	471241.2	3751945.7	523.5	3.49	4.00	3.25
YES	L0008837	0	0.79350E-06	471232.6	3751946.0	523.3	3.49	4.00	3.25
YES	L0008838	0	0.79350E-06	471224.0	3751946.3	523.1	3.49	4.00	3.25
YES	L0008839	0	0.79350E-06	471215.4	3751946.6	522.9	3.49	4.00	3.25
YES	L0008840	0	0.79350E-06	471206.8	3751947.0	522.5	3.49	4.00	3.25
YES	L0008841	0	0.79350E-06	471198.3	3751947.3	522.2	3.49	4.00	3.25
YES	L0008842	0	0.79350E-06	471189.7	3751947.6	521.9	3.49	4.00	3.25
YES	L0008843	0	0.79350E-06	471181.1	3751947.9	521.3	3.49	4.00	3.25
YES	L0008844	0	0.79350E-06	471172.5	3751948.2	520.7	3.49	4.00	3.25
YES	L0008845	0	0.79350E-06	471163.9	3751948.6	520.1	3.49	4.00	3.25
YES	L0008846	0	0.79350E-06	471155.3	3751948.9	519.7	3.49	4.00	3.25

```

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/07/22
*** AERMET - VERSION 16216 ***
***
*** 14:46:30

```

PAGE 43

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

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

SOURCE	NUMBER	EMISSION	RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE			ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		X	Y	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR	VARY	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	CATS.								
L0008847	0	0.79350E-06	471146.8	3751949.2	519.5	3.49	4.00	3.25	
YES									
L0008848	0	0.79350E-06	471138.2	3751949.5	519.3	3.49	4.00	3.25	
YES									
L0008849	0	0.79350E-06	471129.6	3751949.8	519.1	3.49	4.00	3.25	
YES									
L0008850	0	0.79350E-06	471121.0	3751950.2	518.9	3.49	4.00	3.25	
YES									
L0008851	0	0.79350E-06	471112.4	3751950.5	518.8	3.49	4.00	3.25	
YES									
L0008852	0	0.79350E-06	471103.8	3751950.8	518.6	3.49	4.00	3.25	
YES									
L0008853	0	0.79350E-06	471095.3	3751951.1	518.3	3.49	4.00	3.25	
YES									
L0008854	0	0.79350E-06	471086.7	3751951.5	517.9	3.49	4.00	3.25	
YES									
L0008855	0	0.10930E-05	471151.0	3751867.4	522.1	3.49	4.00	3.25	
YES									
L0008856	0	0.10930E-05	471151.0	3751858.8	521.4	3.49	4.00	3.25	



YES								
L0008857	0	0.10930E-05	471151.0	3751850.2	520.7	3.49	4.00	3.25
YES								
L0008858	0	0.10930E-05	471154.2	3751844.8	520.5	3.49	4.00	3.25
YES								
L0008859	0	0.10930E-05	471162.8	3751844.7	520.8	3.49	4.00	3.25
YES								
L0008860	0	0.10930E-05	471171.4	3751844.7	520.8	3.49	4.00	3.25
YES								
L0008861	0	0.10930E-05	471180.0	3751844.6	520.8	3.49	4.00	3.25
YES								
L0008862	0	0.10930E-05	471188.6	3751844.6	520.8	3.49	4.00	3.25
YES								
L0008863	0	0.10930E-05	471197.2	3751844.5	520.5	3.49	4.00	3.25
YES								
L0008864	0	0.10930E-05	471205.8	3751844.5	520.3	3.49	4.00	3.25
YES								
L0008865	0	0.10930E-05	471214.4	3751844.4	520.0	3.49	4.00	3.25
YES								
L0008866	0	0.10930E-05	471222.9	3751844.4	519.7	3.49	4.00	3.25
YES								
L0008867	0	0.10930E-05	471231.5	3751844.3	519.2	3.49	4.00	3.25
YES								
L0008868	0	0.10930E-05	471240.1	3751844.3	518.7	3.49	4.00	3.25
YES								
L0008869	0	0.10930E-05	471248.7	3751844.3	518.3	3.49	4.00	3.25
YES								
L0008870	0	0.10930E-05	471257.3	3751844.2	519.5	3.49	4.00	3.25
YES								
L0008871	0	0.10930E-05	471265.9	3751844.2	520.9	3.49	4.00	3.25
YES								
L0008872	0	0.10930E-05	471274.5	3751844.1	522.3	3.49	4.00	3.25
YES								
L0008873	0	0.10930E-05	471283.1	3751844.1	523.3	3.49	4.00	3.25
YES								
L0008874	0	0.10930E-05	471291.7	3751844.0	523.5	3.49	4.00	3.25
YES								
L0008875	0	0.10930E-05	471300.3	3751844.0	523.8	3.49	4.00	3.25
YES								
L0008876	0	0.10930E-05	471308.8	3751843.9	524.0	3.49	4.00	3.25
YES								
L0008877	0	0.10930E-05	471317.4	3751843.9	523.8	3.49	4.00	3.25
YES								
L0008878	0	0.10930E-05	471326.0	3751843.8	523.5	3.49	4.00	3.25
YES								
L0008879	0	0.10930E-05	471334.6	3751843.8	523.2	3.49	4.00	3.25
YES								
L0008880	0	0.10930E-05	471343.2	3751843.7	523.2	3.49	4.00	3.25
YES								
L0008881	0	0.10930E-05	471351.8	3751843.7	523.5	3.49	4.00	3.25
YES								
L0008882	0	0.10930E-05	471360.4	3751843.6	523.7	3.49	4.00	3.25
YES								
L0008883	0	0.10930E-05	471369.0	3751843.6	524.0	3.49	4.00	3.25
YES								
L0008884	0	0.10930E-05	471377.6	3751843.5	524.2	3.49	4.00	3.25
YES								
L0008885	0	0.10930E-05	471386.2	3751843.5	524.5	3.49	4.00	3.25
YES								
L0008886	0	0.10930E-05	471394.7	3751843.5	524.8	3.49	4.00	3.25
YES								

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

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

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

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE		ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	BY						
	CATS.							
L0008887	0	0.10930E-05	471403.3	3751843.4	525.0	3.49	4.00	3.25
YES								
L0008888	0	0.10930E-05	471411.9	3751843.4	525.3	3.49	4.00	3.25
YES								
L0008889	0	0.10930E-05	471420.5	3751843.3	525.7	3.49	4.00	3.25
YES								
L0008890	0	0.10930E-05	471429.1	3751843.3	526.0	3.49	4.00	3.25
YES								
L0008891	0	0.10930E-05	471437.7	3751843.2	526.5	3.49	4.00	3.25
YES								
L0008892	0	0.10930E-05	471446.3	3751843.2	527.1	3.49	4.00	3.25
YES								
L0008893	0	0.10930E-05	471454.9	3751843.1	527.7	3.49	4.00	3.25
YES								
L0008894	0	0.10930E-05	471463.5	3751843.1	528.2	3.49	4.00	3.25
YES								
L0008895	0	0.10930E-05	471472.1	3751843.0	528.8	3.49	4.00	3.25
YES								
L0008896	0	0.10930E-05	471480.6	3751843.0	529.3	3.49	4.00	3.25
YES								
L0008897	0	0.10930E-05	471489.2	3751842.9	529.9	3.49	4.00	3.25
YES								
L0008898	0	0.10930E-05	471497.8	3751842.9	530.2	3.49	4.00	3.25
YES								
L0008899	0	0.10930E-05	471506.4	3751842.8	530.5	3.49	4.00	3.25
YES								
L0008900	0	0.10930E-05	471515.0	3751842.8	530.8	3.49	4.00	3.25
YES								
L0008901	0	0.10930E-05	471523.6	3751842.7	531.4	3.49	4.00	3.25
YES								
L0008902	0	0.10930E-05	471532.2	3751842.7	532.2	3.49	4.00	3.25
YES								
L0008903	0	0.10930E-05	471540.8	3751842.7	533.0	3.49	4.00	3.25
YES								
L0008904	0	0.10930E-05	471549.4	3751842.6	533.8	3.49	4.00	3.25
YES								
L0008905	0	0.10930E-05	471558.0	3751842.6	534.4	3.49	4.00	3.25
YES								
L0008906	0	0.10930E-05	471566.5	3751842.5	534.9	3.49	4.00	3.25
YES								
L0008907	0	0.10930E-05	471575.1	3751842.5	535.4	3.49	4.00	3.25
YES								
L0008908	0	0.10930E-05	471583.7	3751842.4	535.7	3.49	4.00	3.25
YES								
L0008909	0	0.10930E-05	471592.3	3751842.4	535.8	3.49	4.00	3.25
YES								
L0008910	0	0.10930E-05	471600.9	3751842.3	535.8	3.49	4.00	3.25
YES								
L0008911	0	0.10930E-05	471609.5	3751842.3	535.8	3.49	4.00	3.25
YES								
L0008912	0	0.10930E-05	471618.1	3751842.2	535.9	3.49	4.00	3.25

YES								
L0008913	0	0.10930E-05	471626.7	3751842.2	535.9	3.49	4.00	3.25
YES								
L0008914	0	0.10930E-05	471635.3	3751842.1	536.0	3.49	4.00	3.25
YES								
L0008915	0	0.10930E-05	471643.8	3751842.1	536.0	3.49	4.00	3.25
YES								
L0008916	0	0.10930E-05	471652.4	3751842.0	536.0	3.49	4.00	3.25
YES								
L0008917	0	0.10930E-05	471661.0	3751842.0	536.0	3.49	4.00	3.25
YES								
L0008918	0	0.10930E-05	471669.6	3751841.9	536.0	3.49	4.00	3.25
YES								
L0008919	0	0.10930E-05	471678.2	3751841.9	536.0	3.49	4.00	3.25
YES								
L0008920	0	0.10930E-05	471686.8	3751841.9	536.0	3.49	4.00	3.25
YES								
L0008921	0	0.10930E-05	471695.4	3751841.8	536.0	3.49	4.00	3.25
YES								
L0008922	0	0.10930E-05	471704.0	3751841.8	536.0	3.49	4.00	3.25
YES								
L0008923	0	0.10930E-05	471712.6	3751841.7	536.0	3.49	4.00	3.25
YES								
L0008924	0	0.10930E-05	471721.2	3751841.7	536.0	3.49	4.00	3.25
YES								
L0008925	0	0.10930E-05	471729.7	3751841.6	536.0	3.49	4.00	3.25
YES								
L0008926	0	0.10930E-05	471738.3	3751841.6	536.3	3.49	4.00	3.25
YES								

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 45

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

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

SOURCE	NUMBER	EMISSION	RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE			ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		X	Y	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	CATS.								
L0008927	0	0.10930E-05	471746.9	3751841.5	536.6	3.49	4.00	3.25	
YES									
L0008928	0	0.10930E-05	471748.5	3751834.5	536.6	3.49	4.00	3.25	
YES									
L0008929	0	0.10930E-05	471748.6	3751825.9	536.6	3.49	4.00	3.25	
YES									
L0008930	0	0.10930E-05	471748.6	3751817.3	536.6	3.49	4.00	3.25	
YES									
L0008931	0	0.10930E-05	471748.7	3751808.7	536.6	3.49	4.00	3.25	
YES									
L0008932	0	0.10930E-05	471748.8	3751800.1	536.6	3.49	4.00	3.25	
YES									
L0008933	0	0.10930E-05	471748.8	3751791.5	536.6	3.49	4.00	3.25	
YES									
L0008934	0	0.10930E-05	471748.9	3751782.9	536.6	3.49	4.00	3.25	
YES									
L0008935	0	0.10930E-05	471749.0	3751774.3	536.4	3.49	4.00	3.25	

YES								
L0008936	0	0.10930E-05	471749.0	3751765.7	536.2	3.49	4.00	3.25
YES								
L0008937	0	0.10930E-05	471749.1	3751757.1	536.0	3.49	4.00	3.25
YES								
L0008938	0	0.10930E-05	471749.1	3751748.6	535.9	3.49	4.00	3.25
YES								
L0008939	0	0.10930E-05	471749.2	3751740.0	535.8	3.49	4.00	3.25
YES								
L0008940	0	0.10930E-05	471749.3	3751731.4	535.7	3.49	4.00	3.25
YES								
L0008941	0	0.10930E-05	471749.3	3751722.8	535.7	3.49	4.00	3.25
YES								
L0008942	0	0.10930E-05	471749.4	3751714.2	535.7	3.49	4.00	3.25
YES								
L0008943	0	0.10930E-05	471749.5	3751705.6	535.7	3.49	4.00	3.25
YES								
L0008944	0	0.10930E-05	471749.5	3751697.0	535.7	3.49	4.00	3.25
YES								
L0008945	0	0.10930E-05	471749.6	3751688.4	535.7	3.49	4.00	3.25
YES								
L0008946	0	0.10930E-05	471749.7	3751679.8	535.7	3.49	4.00	3.25
YES								
L0008947	0	0.10930E-05	471749.7	3751671.2	535.7	3.49	4.00	3.25
YES								
L0008948	0	0.10930E-05	471749.8	3751662.7	535.5	3.49	4.00	3.25
YES								
L0008949	0	0.10930E-05	471749.8	3751654.1	535.3	3.49	4.00	3.25
YES								
L0008950	0	0.10930E-05	471749.9	3751645.5	535.0	3.49	4.00	3.25
YES								
L0008951	0	0.10930E-05	471750.0	3751636.9	534.7	3.49	4.00	3.25
YES								
L0008952	0	0.10930E-05	471750.0	3751628.3	534.7	3.49	4.00	3.25
YES								
L0008953	0	0.10930E-05	471750.1	3751619.7	534.7	3.49	4.00	3.25
YES								
L0008954	0	0.10930E-05	471750.2	3751611.1	534.7	3.49	4.00	3.25
YES								
L0008955	0	0.10930E-05	471750.2	3751602.5	534.6	3.49	4.00	3.25
YES								
L0008956	0	0.10930E-05	471750.3	3751593.9	534.6	3.49	4.00	3.25
YES								
L0008957	0	0.10930E-05	471750.4	3751585.4	534.5	3.49	4.00	3.25
YES								
L0008958	0	0.10930E-05	471750.4	3751576.8	534.4	3.49	4.00	3.25
YES								
L0008959	0	0.10930E-05	471742.4	3751576.2	533.8	3.49	4.00	3.25
YES								
L0008960	0	0.10930E-05	471733.8	3751576.1	533.3	3.49	4.00	3.25
YES								
L0008961	0	0.10930E-05	471725.2	3751576.1	532.7	3.49	4.00	3.25
YES								
L0008962	0	0.10930E-05	471716.6	3751576.1	532.1	3.49	4.00	3.25
YES								
L0008963	0	0.10930E-05	471708.0	3751576.1	531.6	3.49	4.00	3.25
YES								
L0008964	0	0.10930E-05	471699.4	3751576.0	531.0	3.49	4.00	3.25
YES								
L0008965	0	0.10930E-05	471690.9	3751576.0	530.4	3.49	4.00	3.25
YES								
L0008966	0	0.10930E-05	471682.3	3751576.0	529.8	3.49	4.00	3.25
YES								

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

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

SOURCE	NUMBER URBAN PART.	EMISSION RATE (GRAMS/SEC)	X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ
SOURCE ID (METERS)	SCALAR VARY CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0008967	0	0.10930E-05	471673.7	3751575.9	529.3	3.49	4.00	3.25
YES								
L0008968	0	0.10930E-05	471665.1	3751575.9	529.0	3.49	4.00	3.25
YES								
L0008969	0	0.10930E-05	471656.5	3751575.9	529.0	3.49	4.00	3.25
YES								
L0008970	0	0.10930E-05	471647.9	3751575.8	529.0	3.49	4.00	3.25
YES								
L0008971	0	0.10930E-05	471639.3	3751575.8	529.0	3.49	4.00	3.25
YES								
L0008972	0	0.10930E-05	471630.7	3751575.8	529.0	3.49	4.00	3.25
YES								
L0008973	0	0.10930E-05	471622.1	3751575.8	529.0	3.49	4.00	3.25
YES								
L0008974	0	0.10930E-05	471613.5	3751575.7	529.0	3.49	4.00	3.25
YES								
L0008975	0	0.10930E-05	471605.0	3751575.7	529.2	3.49	4.00	3.25
YES								
L0008976	0	0.10930E-05	471596.4	3751575.7	529.5	3.49	4.00	3.25
YES								
L0008977	0	0.10930E-05	471587.8	3751575.6	529.7	3.49	4.00	3.25
YES								
L0008978	0	0.10930E-05	471579.2	3751575.6	530.0	3.49	4.00	3.25
YES								
L0008979	0	0.10930E-05	471570.6	3751575.6	530.0	3.49	4.00	3.25
YES								
L0008980	0	0.10930E-05	471562.0	3751575.5	530.0	3.49	4.00	3.25
YES								
L0008981	0	0.10930E-05	471553.4	3751575.5	530.0	3.49	4.00	3.25
YES								
L0008982	0	0.10930E-05	471544.8	3751575.5	530.2	3.49	4.00	3.25
YES								
L0008983	0	0.10930E-05	471536.2	3751575.5	530.5	3.49	4.00	3.25
YES								
L0008984	0	0.10930E-05	471527.6	3751575.4	530.8	3.49	4.00	3.25
YES								
L0008985	0	0.10930E-05	471519.1	3751575.4	531.0	3.49	4.00	3.25
YES								
L0008986	0	0.10930E-05	471510.5	3751575.4	531.0	3.49	4.00	3.25
YES								
L0008987	0	0.10930E-05	471501.9	3751575.3	531.0	3.49	4.00	3.25
YES								
L0008988	0	0.10930E-05	471493.3	3751575.3	531.0	3.49	4.00	3.25
YES								
L0008989	0	0.10930E-05	471484.7	3751575.3	531.4	3.49	4.00	3.25
YES								
L0008990	0	0.10930E-05	471476.1	3751575.2	531.9	3.49	4.00	3.25
YES								
L0008991	0	0.10930E-05	471467.5	3751575.2	532.5	3.49	4.00	3.25

YES								
L0008992	0	0.10930E-05	471458.9	3751575.2	533.0	3.49	4.00	3.25
YES								
L0008993	0	0.10930E-05	471450.3	3751575.2	533.3	3.49	4.00	3.25
YES								
L0008994	0	0.10930E-05	471441.7	3751575.1	533.6	3.49	4.00	3.25
YES								
L0008995	0	0.10930E-05	471433.2	3751575.1	533.9	3.49	4.00	3.25
YES								
L0008996	0	0.10930E-05	471424.6	3751575.1	534.3	3.49	4.00	3.25
YES								
L0008997	0	0.10930E-05	471416.0	3751575.0	534.9	3.49	4.00	3.25
YES								
L0008998	0	0.10930E-05	471407.4	3751575.0	535.4	3.49	4.00	3.25
YES								
L0008999	0	0.10930E-05	471398.8	3751575.0	536.0	3.49	4.00	3.25
YES								
L0009000	0	0.10930E-05	471390.2	3751574.9	536.2	3.49	4.00	3.25
YES								
L0009001	0	0.10930E-05	471381.6	3751574.9	536.5	3.49	4.00	3.25
YES								
L0009002	0	0.10930E-05	471373.0	3751574.9	536.8	3.49	4.00	3.25
YES								
L0009003	0	0.10930E-05	471364.4	3751574.9	536.7	3.49	4.00	3.25
YES								
L0009004	0	0.10930E-05	471355.8	3751574.8	536.4	3.49	4.00	3.25
YES								
L0009005	0	0.10930E-05	471347.3	3751574.8	536.1	3.49	4.00	3.25
YES								
L0009006	0	0.10930E-05	471338.7	3751574.8	535.7	3.49	4.00	3.25
YES								

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 47

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

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

SOURCE	NUMBER	EMISSION	RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	SCALAR VARY		BY						
	CATS.								
L0009007	0	0.10930E-05	471330.1	3751574.7	534.3	3.49	4.00	3.25	
YES									
L0009008	0	0.10930E-05	471321.5	3751574.7	533.0	3.49	4.00	3.25	
YES									
L0009009	0	0.10930E-05	471312.9	3751574.7	531.6	3.49	4.00	3.25	
YES									
L0009010	0	0.10930E-05	471304.3	3751574.6	530.9	3.49	4.00	3.25	
YES									
L0009011	0	0.10930E-05	471295.7	3751574.6	530.6	3.49	4.00	3.25	
YES									
L0009012	0	0.10930E-05	471287.1	3751574.6	530.3	3.49	4.00	3.25	
YES									
L0009013	0	0.10930E-05	471278.5	3751574.6	530.0	3.49	4.00	3.25	
YES									
L0009014	0	0.10930E-05	471269.9	3751574.5	529.8	3.49	4.00	3.25	

YES								
L0009015	0	0.10930E-05	471261.4	3751574.5	529.5	3.49	4.00	3.25
YES								
L0009016	0	0.10930E-05	471252.8	3751574.5	529.2	3.49	4.00	3.25
YES								
L0009017	0	0.10930E-05	471244.2	3751574.4	528.7	3.49	4.00	3.25
YES								
L0009018	0	0.10930E-05	471235.6	3751574.4	528.2	3.49	4.00	3.25
YES								
L0009019	0	0.10930E-05	471227.0	3751574.4	527.6	3.49	4.00	3.25
YES								
L0009020	0	0.10930E-05	471218.4	3751574.3	527.1	3.49	4.00	3.25
YES								
L0009021	0	0.10930E-05	471209.8	3751574.3	527.1	3.49	4.00	3.25
YES								
L0009022	0	0.10930E-05	471201.2	3751574.3	527.1	3.49	4.00	3.25
YES								
L0009023	0	0.10930E-05	471192.6	3751574.3	527.0	3.49	4.00	3.25
YES								
L0009024	0	0.10930E-05	471184.1	3751573.9	526.8	3.49	4.00	3.25
YES								
L0009025	0	0.10930E-05	471175.5	3751573.0	526.5	3.49	4.00	3.25
YES								
L0009026	0	0.10930E-05	471167.0	3751572.0	526.1	3.49	4.00	3.25
YES								
L0009027	0	0.10930E-05	471158.5	3751571.1	525.8	3.49	4.00	3.25
YES								
L0009028	0	0.10930E-05	471154.3	3751564.0	525.5	3.49	4.00	3.25
YES								
L0009029	0	0.10930E-05	471153.6	3751555.5	525.2	3.49	4.00	3.25
YES								
L0009030	0	0.10930E-05	471153.6	3751546.9	524.8	3.49	4.00	3.25
YES								
L0009031	0	0.10930E-05	471153.6	3751538.4	524.8	3.49	4.00	3.25
YES								
L0009032	0	0.47920E-06	472059.6	3751899.3	527.0	3.49	4.00	3.25
YES								
L0009033	0	0.47920E-06	472062.2	3751907.5	526.0	3.49	4.00	3.25
YES								
L0009034	0	0.47920E-06	472064.7	3751915.7	525.7	3.49	4.00	3.25
YES								
L0009035	0	0.47920E-06	472067.3	3751923.9	525.2	3.49	4.00	3.25
YES								
L0009036	0	0.47920E-06	472068.7	3751932.3	524.7	3.49	4.00	3.25
YES								
L0009037	0	0.47920E-06	472068.5	3751940.9	523.9	3.49	4.00	3.25
YES								
L0009038	0	0.47920E-06	472068.4	3751949.5	522.8	3.49	4.00	3.25
YES								
L0009039	0	0.47920E-06	472068.2	3751958.0	521.8	3.49	4.00	3.25
YES								
L0009040	0	0.47920E-06	472068.0	3751966.6	520.7	3.49	4.00	3.25
YES								
L0009041	0	0.47920E-06	472067.8	3751975.2	521.0	3.49	4.00	3.25
YES								
L0009042	0	0.47920E-06	472067.7	3751983.8	521.3	3.49	4.00	3.25
YES								
L0009043	0	0.47920E-06	472067.5	3751992.4	521.5	3.49	4.00	3.25
YES								
L0009044	0	0.47920E-06	472067.3	3752001.0	521.9	3.49	4.00	3.25
YES								
L0009045	0	0.47920E-06	472067.1	3752009.6	522.3	3.49	4.00	3.25
YES								
L0009046	0	0.47920E-06	472067.0	3752018.2	522.7	3.49	4.00	3.25
YES								

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

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

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE		ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	X	Y	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0009047	0	0.47920E-06	472066.8	3752026.8	523.0	3.49	4.00	3.25
YES								
L0009048	0	0.47920E-06	472066.6	3752035.3	522.9	3.49	4.00	3.25
YES								
L0009049	0	0.47920E-06	472066.4	3752043.9	522.8	3.49	4.00	3.25
YES								
L0009050	0	0.47920E-06	472066.3	3752052.5	522.7	3.49	4.00	3.25
YES								
L0009051	0	0.47920E-06	472066.1	3752061.1	522.8	3.49	4.00	3.25
YES								
L0009052	0	0.47920E-06	472065.9	3752069.7	523.2	3.49	4.00	3.25
YES								
L0009053	0	0.47920E-06	472065.7	3752078.3	523.5	3.49	4.00	3.25
YES								
L0009054	0	0.47920E-06	472065.6	3752086.9	523.8	3.49	4.00	3.25
YES								
L0009055	0	0.47920E-06	472065.4	3752095.5	523.9	3.49	4.00	3.25
YES								
L0009056	0	0.47920E-06	472065.2	3752104.0	524.0	3.49	4.00	3.25
YES								
L0009057	0	0.47920E-06	472065.0	3752112.6	524.1	3.49	4.00	3.25
YES								
L0009058	0	0.47920E-06	472064.9	3752121.2	524.0	3.49	4.00	3.25
YES								
L0009059	0	0.47920E-06	472064.7	3752129.8	523.7	3.49	4.00	3.25
YES								
L0009060	0	0.47920E-06	472064.5	3752138.4	523.4	3.49	4.00	3.25
YES								
L0009061	0	0.47920E-06	472064.3	3752147.0	523.2	3.49	4.00	3.25
YES								
L0009062	0	0.47920E-06	472064.2	3752155.6	522.7	3.49	4.00	3.25
YES								
L0009063	0	0.47920E-06	472064.0	3752164.2	522.3	3.49	4.00	3.25
YES								
L0009064	0	0.47920E-06	472063.8	3752172.8	521.8	3.49	4.00	3.25
YES								
L0009065	0	0.47920E-06	472063.6	3752181.3	521.5	3.49	4.00	3.25
YES								
L0009066	0	0.47920E-06	472063.5	3752189.9	521.3	3.49	4.00	3.25
YES								
L0009067	0	0.47920E-06	472063.3	3752198.5	521.1	3.49	4.00	3.25
YES								
L0009068	0	0.47920E-06	472063.1	3752207.1	520.9	3.49	4.00	3.25
YES								
L0009069	0	0.47920E-06	472063.0	3752215.7	520.6	3.49	4.00	3.25
YES								
L0009070	0	0.47920E-06	472056.8	3752218.2	520.6	3.49	4.00	3.25



YES	L0009071	0	0.47920E-06	472048.2	3752218.3	520.6	3.49	4.00	3.25
YES	L0009072	0	0.47920E-06	472039.6	3752218.3	520.6	3.49	4.00	3.25
YES	L0009073	0	0.47920E-06	472031.0	3752218.4	520.6	3.49	4.00	3.25
YES	L0009074	0	0.47920E-06	472022.4	3752218.4	520.0	3.49	4.00	3.25
YES	L0009075	0	0.47920E-06	472013.9	3752218.5	519.2	3.49	4.00	3.25
YES	L0009076	0	0.47920E-06	472005.3	3752218.5	518.5	3.49	4.00	3.25
YES	L0009077	0	0.47920E-06	471996.7	3752218.5	518.0	3.49	4.00	3.25
YES	L0009078	0	0.47920E-06	471988.1	3752218.6	517.8	3.49	4.00	3.25
YES	L0009079	0	0.47920E-06	471979.5	3752218.6	517.7	3.49	4.00	3.25
YES	L0009080	0	0.47920E-06	471970.9	3752218.7	517.6	3.49	4.00	3.25
YES	L0009081	0	0.47920E-06	471962.3	3752218.7	517.8	3.49	4.00	3.25
YES	L0009082	0	0.47920E-06	471953.7	3752218.8	518.1	3.49	4.00	3.25
YES	L0009083	0	0.47920E-06	471945.1	3752218.8	518.4	3.49	4.00	3.25
YES	L0009084	0	0.47920E-06	471936.5	3752218.9	518.7	3.49	4.00	3.25
YES	L0009085	0	0.47920E-06	471928.0	3752218.9	519.0	3.49	4.00	3.25
YES	L0009086	0	0.47920E-06	471919.4	3752219.0	519.3	3.49	4.00	3.25

**RA** \*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 14:46:30

PAGE 49

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

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

SOURCE	NUMBER	EMISSION	RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	SCALAR VARY	CATS.	BY						
L0009087	0	0.47920E-06	471910.8	3752219.0	519.5	3.49	4.00	3.25	
YES									
L0009088	0	0.47920E-06	471902.2	3752219.1	519.6	3.49	4.00	3.25	
YES									
L0009089	0	0.47920E-06	471893.6	3752219.1	519.6	3.49	4.00	3.25	
YES									
L0009090	0	0.47920E-06	471885.0	3752219.2	519.6	3.49	4.00	3.25	
YES									
L0009091	0	0.47920E-06	471876.4	3752219.2	519.5	3.49	4.00	3.25	
YES									
L0009092	0	0.47920E-06	471867.8	3752219.3	519.3	3.49	4.00	3.25	
YES									
L0009093	0	0.47920E-06	471859.2	3752219.3	519.2	3.49	4.00	3.25	

YES								
L0009094	0	0.47920E-06	471850.7	3752219.3	519.0	3.49	4.00	3.25
YES								
L0009095	0	0.47920E-06	471842.1	3752219.4	518.6	3.49	4.00	3.25
YES								
L0009096	0	0.47920E-06	471833.5	3752219.4	518.2	3.49	4.00	3.25
YES								
L0009097	0	0.47920E-06	471824.9	3752219.5	517.8	3.49	4.00	3.25
YES								
L0009098	0	0.47920E-06	471823.2	3752212.7	517.9	3.49	4.00	3.25
YES								
L0009099	0	0.47920E-06	471823.3	3752204.1	518.3	3.49	4.00	3.25
YES								
L0009100	0	0.47920E-06	471823.4	3752195.5	518.9	3.49	4.00	3.25
YES								
L0009101	0	0.47920E-06	471823.6	3752186.9	519.4	3.49	4.00	3.25
YES								
L0009102	0	0.47920E-06	471823.7	3752178.3	520.0	3.49	4.00	3.25
YES								
L0009103	0	0.47920E-06	471823.8	3752169.7	520.6	3.49	4.00	3.25
YES								
L0009104	0	0.47920E-06	471823.9	3752161.1	521.2	3.49	4.00	3.25
YES								
L0009105	0	0.47920E-06	471824.0	3752152.5	521.9	3.49	4.00	3.25
YES								
L0009106	0	0.47920E-06	471824.1	3752143.9	522.6	3.49	4.00	3.25
YES								
L0009107	0	0.47920E-06	471824.2	3752135.3	523.4	3.49	4.00	3.25
YES								
L0009108	0	0.47920E-06	471824.3	3752126.8	524.2	3.49	4.00	3.25
YES								
L0009109	0	0.47920E-06	471824.4	3752118.2	525.0	3.49	4.00	3.25
YES								
L0009110	0	0.47920E-06	471824.5	3752109.6	525.4	3.49	4.00	3.25
YES								
L0009111	0	0.47920E-06	471824.6	3752101.0	525.8	3.49	4.00	3.25
YES								
L0009112	0	0.47920E-06	471824.8	3752092.4	526.1	3.49	4.00	3.25
YES								
L0009113	0	0.47920E-06	471824.9	3752083.8	526.5	3.49	4.00	3.25
YES								
L0009114	0	0.47920E-06	471825.0	3752075.2	526.8	3.49	4.00	3.25
YES								
L0009115	0	0.47920E-06	471825.1	3752066.6	527.2	3.49	4.00	3.25
YES								
L0009116	0	0.47920E-06	471825.2	3752058.0	527.5	3.49	4.00	3.25
YES								
L0009117	0	0.47920E-06	471825.3	3752049.5	527.9	3.49	4.00	3.25
YES								
L0009118	0	0.47920E-06	471825.4	3752040.9	528.2	3.49	4.00	3.25
YES								
L0009119	0	0.47920E-06	471825.5	3752032.3	528.6	3.49	4.00	3.25
YES								
L0009120	0	0.47920E-06	471825.6	3752023.7	529.0	3.49	4.00	3.25
YES								
L0009121	0	0.47920E-06	471825.7	3752015.1	529.7	3.49	4.00	3.25
YES								
L0009122	0	0.47920E-06	471825.8	3752006.5	530.3	3.49	4.00	3.25
YES								
L0009123	0	0.47920E-06	471826.0	3751997.9	531.0	3.49	4.00	3.25
YES								
L0009124	0	0.47920E-06	471826.1	3751989.3	531.5	3.49	4.00	3.25
YES								
L0009125	0	0.47920E-06	471826.2	3751980.7	532.0	3.49	4.00	3.25
YES								
L0009126	0	0.47920E-06	471826.3	3751972.2	532.6	3.49	4.00	3.25

YES

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

14:46:30

PAGE 50

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

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

SOURCE	NUMBER	EMISSION	RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	
SCALAR VARY	CATS.	BY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
ID									
(METERS)									
L0009127	0	0.47920E-06	471826.4	3751963.6	533.1	3.49	4.00	3.25	
YES									
L0009128	0	0.47920E-06	471826.5	3751955.0	533.7	3.49	4.00	3.25	
YES									
L0009129	0	0.47920E-06	471826.6	3751946.4	534.3	3.49	4.00	3.25	
YES									
L0009130	0	0.47920E-06	471826.7	3751937.8	534.9	3.49	4.00	3.25	
YES									
L0009131	0	0.47920E-06	471826.8	3751929.2	535.3	3.49	4.00	3.25	
YES									
L0009132	0	0.47920E-06	471826.9	3751920.6	535.7	3.49	4.00	3.25	
YES									
L0009133	0	0.47920E-06	471827.0	3751912.0	536.0	3.49	4.00	3.25	
YES									
L0009134	0	0.68590E-07	471804.5	3751645.8	537.3	3.49	4.00	3.25	
YES									
L0009135	0	0.68590E-07	471813.1	3751646.0	537.9	3.49	4.00	3.25	
YES									
L0009136	0	0.68590E-07	471821.7	3751646.2	538.5	3.49	4.00	3.25	
YES									
L0009137	0	0.68590E-07	471824.5	3751652.1	538.8	3.49	4.00	3.25	
YES									
L0009138	0	0.68590E-07	471824.6	3751660.7	539.0	3.49	4.00	3.25	
YES									
L0009139	0	0.68590E-07	471824.6	3751669.3	539.1	3.49	4.00	3.25	
YES									
L0009140	0	0.68590E-07	471824.7	3751677.9	538.8	3.49	4.00	3.25	
YES									
L0009141	0	0.68590E-07	471824.8	3751686.5	538.5	3.49	4.00	3.25	
YES									
L0009142	0	0.68590E-07	471824.9	3751695.1	538.2	3.49	4.00	3.25	
YES									
L0009143	0	0.68590E-07	471824.9	3751703.7	538.2	3.49	4.00	3.25	
YES									
L0009144	0	0.68590E-07	471825.0	3751712.2	538.2	3.49	4.00	3.25	
YES									
L0009145	0	0.68590E-07	471825.1	3751720.8	538.2	3.49	4.00	3.25	
YES									
L0009146	0	0.68590E-07	471825.2	3751729.4	538.2	3.49	4.00	3.25	
YES									
L0009147	0	0.68590E-07	471825.2	3751738.0	538.2	3.49	4.00	3.25	
YES									
L0009148	0	0.68590E-07	471825.3	3751746.6	538.2	3.49	4.00	3.25	
YES									
L0009149	0	0.68590E-07	471825.4	3751755.2	538.2	3.49	4.00	3.25	

YES								
L0009150	0	0.68590E-07	471825.5	3751763.8	538.2	3.49	4.00	3.25
YES								
L0009151	0	0.68590E-07	471825.5	3751772.4	538.2	3.49	4.00	3.25
YES								
L0009152	0	0.68590E-07	471825.6	3751781.0	538.2	3.49	4.00	3.25
YES								
L0009153	0	0.68590E-07	471825.7	3751789.6	538.2	3.49	4.00	3.25
YES								
L0009154	0	0.68590E-07	471825.8	3751798.1	538.2	3.49	4.00	3.25
YES								
L0009155	0	0.68590E-07	471825.8	3751806.7	538.2	3.49	4.00	3.25
YES								
L0009156	0	0.68590E-07	471825.9	3751815.3	538.2	3.49	4.00	3.25
YES								
L0009157	0	0.68590E-07	471826.0	3751823.9	537.9	3.49	4.00	3.25
YES								
L0009158	0	0.68590E-07	471826.1	3751832.5	537.6	3.49	4.00	3.25
YES								
L0009159	0	0.68590E-07	471826.1	3751841.1	537.2	3.49	4.00	3.25
YES								
L0009160	0	0.68590E-07	471826.2	3751849.7	536.9	3.49	4.00	3.25
YES								
L0009161	0	0.68590E-07	471826.3	3751858.3	536.7	3.49	4.00	3.25
YES								
L0009162	0	0.68590E-07	471826.4	3751866.9	536.5	3.49	4.00	3.25
YES								
L0009163	0	0.84410E-07	471470.8	3751499.2	534.2	3.49	4.00	3.25
YES								
L0009164	0	0.84410E-07	471471.0	3751490.6	534.5	3.49	4.00	3.25
YES								
L0009165	0	0.84410E-07	471471.2	3751482.0	534.7	3.49	4.00	3.25
YES								
L0009166	0	0.84410E-07	471471.4	3751473.4	534.9	3.49	4.00	3.25
YES								

**HP** \*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 14:46:30

PAGE 51

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

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

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION		X	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR	VARY						
	CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0009167	0	0.84410E-07	471471.6	3751464.8	535.0	3.49	4.00	3.25
YES								
L0009168	0	0.84410E-07	471471.8	3751456.3	535.2	3.49	4.00	3.25
YES								
L0009169	0	0.84410E-07	471472.0	3751447.7	535.0	3.49	4.00	3.25
YES								
L0009170	0	0.84410E-07	471472.2	3751439.1	534.8	3.49	4.00	3.25
YES								
L0009171	0	0.84410E-07	471472.4	3751430.5	534.6	3.49	4.00	3.25
YES								
L0009172	0	0.84410E-07	471472.7	3751421.9	534.4	3.49	4.00	3.25

YES								
L0009173	0	0.84410E-07	471472.9	3751413.3	534.1	3.49	4.00	3.25
YES								
L0009174	0	0.84410E-07	471473.1	3751404.7	533.8	3.49	4.00	3.25
YES								
L0009175	0	0.84410E-07	471473.3	3751396.1	533.5	3.49	4.00	3.25
YES								
L0009176	0	0.84410E-07	471473.5	3751387.6	533.1	3.49	4.00	3.25
YES								
L0009177	0	0.84410E-07	471473.7	3751379.0	532.7	3.49	4.00	3.25
YES								
L0009178	0	0.84410E-07	471473.9	3751370.4	532.2	3.49	4.00	3.25
YES								
L0009179	0	0.84410E-07	471474.1	3751361.8	531.8	3.49	4.00	3.25
YES								
L0009180	0	0.84410E-07	471474.3	3751353.2	531.3	3.49	4.00	3.25
YES								
L0009181	0	0.84410E-07	471474.5	3751344.6	530.9	3.49	4.00	3.25
YES								
L0009182	0	0.84410E-07	471474.7	3751336.0	530.4	3.49	4.00	3.25
YES								
L0009183	0	0.84410E-07	471474.9	3751327.4	529.9	3.49	4.00	3.25
YES								
L0009184	0	0.84410E-07	471475.1	3751318.9	529.3	3.49	4.00	3.25
YES								
L0009185	0	0.84410E-07	471475.3	3751310.3	528.7	3.49	4.00	3.25
YES								
L0009186	0	0.84410E-07	471475.5	3751301.7	528.2	3.49	4.00	3.25
YES								
L0009187	0	0.84410E-07	471475.7	3751293.1	527.8	3.49	4.00	3.25
YES								
L0009188	0	0.84410E-07	471475.9	3751284.5	527.4	3.49	4.00	3.25
YES								
L0009189	0	0.84410E-07	471476.1	3751275.9	527.1	3.49	4.00	3.25
YES								
L0009190	0	0.84410E-07	471476.4	3751267.3	526.8	3.49	4.00	3.25
YES								
L0009191	0	0.84410E-07	471476.6	3751258.7	526.5	3.49	4.00	3.25
YES								
L0009192	0	0.86710E-07	471418.4	3751499.2	535.9	3.49	4.00	3.25
YES								
L0009193	0	0.86710E-07	471418.5	3751490.6	536.2	3.49	4.00	3.25
YES								
L0009194	0	0.86710E-07	471418.6	3751482.0	536.5	3.49	4.00	3.25
YES								
L0009195	0	0.86710E-07	471418.8	3751473.4	536.6	3.49	4.00	3.25
YES								
L0009196	0	0.86710E-07	471418.9	3751464.8	536.8	3.49	4.00	3.25
YES								
L0009197	0	0.86710E-07	471419.1	3751456.3	537.0	3.49	4.00	3.25
YES								
L0009198	0	0.86710E-07	471419.2	3751447.7	536.8	3.49	4.00	3.25
YES								
L0009199	0	0.86710E-07	471419.3	3751439.1	536.6	3.49	4.00	3.25
YES								
L0009200	0	0.86710E-07	471419.5	3751430.5	536.4	3.49	4.00	3.25
YES								
L0009201	0	0.86710E-07	471419.6	3751421.9	536.2	3.49	4.00	3.25
YES								
L0009202	0	0.86710E-07	471419.7	3751413.3	535.9	3.49	4.00	3.25
YES								
L0009203	0	0.86710E-07	471419.9	3751404.7	535.6	3.49	4.00	3.25
YES								
L0009204	0	0.86710E-07	471420.0	3751396.1	535.3	3.49	4.00	3.25
YES								
L0009205	0	0.86710E-07	471420.2	3751387.5	534.7	3.49	4.00	3.25

YES  
L0009206 0 0.86710E-07 471420.3 3751379.0 534.1 3.49 4.00 3.25

YES

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

14:46:30

PAGE 52

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

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

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

-----

L0009207	0	0.86710E-07	471420.4	3751370.4	533.5	3.49	4.00	3.25
YES								
L0009208	0	0.86710E-07	471420.6	3751361.8	532.9	3.49	4.00	3.25
YES								
L0009209	0	0.86710E-07	471420.7	3751353.2	532.1	3.49	4.00	3.25
YES								
L0009210	0	0.86710E-07	471420.9	3751344.6	531.4	3.49	4.00	3.25
YES								
L0009211	0	0.86710E-07	471421.0	3751336.0	530.7	3.49	4.00	3.25
YES								
L0009212	0	0.86710E-07	471421.1	3751327.4	530.1	3.49	4.00	3.25
YES								
L0009213	0	0.86710E-07	471421.3	3751318.8	529.5	3.49	4.00	3.25
YES								
L0009214	0	0.86710E-07	471421.4	3751310.2	529.0	3.49	4.00	3.25
YES								
L0009215	0	0.86710E-07	471421.5	3751301.7	528.3	3.49	4.00	3.25
YES								
L0009216	0	0.86710E-07	471421.7	3751293.1	527.5	3.49	4.00	3.25
YES								
L0009217	0	0.86710E-07	471421.8	3751284.5	526.7	3.49	4.00	3.25
YES								
L0009218	0	0.86710E-07	471422.0	3751275.9	525.9	3.49	4.00	3.25
YES								
L0009219	0	0.86710E-07	471422.1	3751267.3	525.4	3.49	4.00	3.25
YES								
L0009220	0	0.86480E-07	471107.1	3752271.6	511.0	3.49	4.00	3.25
YES								
L0009221	0	0.86480E-07	471107.1	3752280.2	510.6	3.49	4.00	3.25
YES								
L0009222	0	0.86480E-07	471107.1	3752288.8	510.2	3.49	4.00	3.25
YES								
L0009223	0	0.86480E-07	471107.1	3752297.4	509.8	3.49	4.00	3.25
YES								
L0009224	0	0.86480E-07	471114.3	3752298.8	510.5	3.49	4.00	3.25
YES								
L0009225	0	0.86480E-07	471122.9	3752298.8	511.3	3.49	4.00	3.25
YES								
L0009226	0	0.86480E-07	471131.5	3752298.8	511.9	3.49	4.00	3.25
YES								
L0009227	0	0.86480E-07	471140.1	3752298.9	512.0	3.49	4.00	3.25
YES								
L0009228	0	0.86480E-07	471148.7	3752298.9	512.0	3.49	4.00	3.25

YES								
L0009229	0	0.86480E-07	471157.3	3752298.9	512.1	3.49	4.00	3.25
YES								
L0009230	0	0.86480E-07	471165.9	3752298.9	512.5	3.49	4.00	3.25
YES								
L0009231	0	0.86480E-07	471174.5	3752299.0	513.0	3.49	4.00	3.25
YES								
L0009232	0	0.86480E-07	471183.1	3752299.0	513.5	3.49	4.00	3.25
YES								
L0009233	0	0.86480E-07	471191.6	3752299.0	513.9	3.49	4.00	3.25
YES								
L0009234	0	0.86480E-07	471200.2	3752299.1	513.9	3.49	4.00	3.25
YES								
L0009235	0	0.86480E-07	471208.8	3752299.1	513.9	3.49	4.00	3.25
YES								
L0009236	0	0.86480E-07	471217.4	3752299.1	513.9	3.49	4.00	3.25
YES								
L0009237	0	0.86480E-07	471226.0	3752299.1	513.5	3.49	4.00	3.25
YES								
L0009238	0	0.86480E-07	471234.6	3752299.2	512.9	3.49	4.00	3.25
YES								
L0009239	0	0.86480E-07	471243.2	3752299.2	512.4	3.49	4.00	3.25
YES								
L0009240	0	0.86480E-07	471251.8	3752299.2	512.1	3.49	4.00	3.25
YES								
L0009241	0	0.86480E-07	471260.4	3752299.2	512.4	3.49	4.00	3.25
YES								
L0009242	0	0.86480E-07	471269.0	3752299.3	512.6	3.49	4.00	3.25
YES								
L0009243	0	0.86480E-07	471277.5	3752299.3	512.9	3.49	4.00	3.25
YES								
L0009244	0	0.86480E-07	471286.1	3752299.3	513.0	3.49	4.00	3.25
YES								
L0009245	0	0.86480E-07	471294.7	3752299.3	512.9	3.49	4.00	3.25
YES								
L0009246	0	0.86480E-07	471303.3	3752299.4	512.9	3.49	4.00	3.25
YES								

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 53

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

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

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

L0009247	0	0.86480E-07	471311.9	3752299.4	512.9	3.49	4.00	3.25
YES								
L0009248	0	0.86480E-07	471317.4	3752296.3	513.0	3.49	4.00	3.25
YES								
L0009249	0	0.86480E-07	471317.4	3752287.7	513.8	3.49	4.00	3.25
YES								
L0009250	0	0.86480E-07	471317.4	3752279.2	514.5	3.49	4.00	3.25
YES								
L0009251	0	0.86060E-07	471343.6	3752274.9	516.0	3.49	4.00	3.25

YES								
L0009252	0	0.86060E-07	471343.6	3752283.5	514.9	3.49	4.00	3.25
YES								
L0009253	0	0.86060E-07	471343.6	3752292.1	513.8	3.49	4.00	3.25
YES								
L0009254	0	0.86060E-07	471343.6	3752300.7	513.1	3.49	4.00	3.25
YES								
L0009255	0	0.86060E-07	471352.1	3752300.8	513.7	3.49	4.00	3.25
YES								
L0009256	0	0.86060E-07	471360.7	3752300.9	514.3	3.49	4.00	3.25
YES								
L0009257	0	0.86060E-07	471369.3	3752301.1	514.8	3.49	4.00	3.25
YES								
L0009258	0	0.86060E-07	471377.9	3752301.2	514.8	3.49	4.00	3.25
YES								
L0009259	0	0.86060E-07	471386.5	3752301.3	514.7	3.49	4.00	3.25
YES								
L0009260	0	0.86060E-07	471395.1	3752301.4	514.6	3.49	4.00	3.25
YES								
L0009261	0	0.86060E-07	471403.7	3752301.5	514.5	3.49	4.00	3.25
YES								
L0009262	0	0.86060E-07	471412.3	3752301.6	514.6	3.49	4.00	3.25
YES								
L0009263	0	0.86060E-07	471420.8	3752301.7	514.6	3.49	4.00	3.25
YES								
L0009264	0	0.86060E-07	471429.4	3752301.8	514.6	3.49	4.00	3.25
YES								
L0009265	0	0.86060E-07	471438.0	3752301.9	515.4	3.49	4.00	3.25
YES								
L0009266	0	0.86060E-07	471446.6	3752302.0	516.1	3.49	4.00	3.25
YES								
L0009267	0	0.86060E-07	471455.2	3752302.1	516.8	3.49	4.00	3.25
YES								
L0009268	0	0.86060E-07	471463.8	3752302.2	517.5	3.49	4.00	3.25
YES								
L0009269	0	0.86060E-07	471472.4	3752302.3	518.0	3.49	4.00	3.25
YES								
L0009270	0	0.86060E-07	471481.0	3752302.5	518.6	3.49	4.00	3.25
YES								
L0009271	0	0.86060E-07	471489.6	3752302.6	519.2	3.49	4.00	3.25
YES								
L0009272	0	0.86060E-07	471498.2	3752302.7	519.7	3.49	4.00	3.25
YES								
L0009273	0	0.86060E-07	471506.7	3752302.8	520.1	3.49	4.00	3.25
YES								
L0009274	0	0.86060E-07	471515.3	3752302.9	520.6	3.49	4.00	3.25
YES								
L0009275	0	0.86060E-07	471523.9	3752303.0	520.8	3.49	4.00	3.25
YES								
L0009276	0	0.86060E-07	471532.5	3752303.1	520.8	3.49	4.00	3.25
YES								
L0009277	0	0.86060E-07	471541.1	3752303.2	520.8	3.49	4.00	3.25
YES								
L0009278	0	0.86060E-07	471549.7	3752303.3	520.8	3.49	4.00	3.25
YES								
L0009279	0	0.86060E-07	471552.1	3752297.0	520.9	3.49	4.00	3.25
YES								
L0009280	0	0.86060E-07	471552.3	3752288.4	521.4	3.49	4.00	3.25
YES								
L0009281	0	0.86060E-07	471552.4	3752279.8	521.9	3.49	4.00	3.25
YES								
L0009282	0	0.66330E-07	471580.7	3752278.2	519.9	3.49	4.00	3.25
YES								
L0009283	0	0.66330E-07	471580.5	3752286.8	519.9	3.49	4.00	3.25
YES								
L0009284	0	0.66330E-07	471580.2	3752295.3	519.9	3.49	4.00	3.25



```

YES
L0009285      0  0.66330E-07  471582.6 3752301.4  519.5   3.49   4.00   3.25
YES
L0009286      0  0.66330E-07  471591.2 3752301.5  519.0   3.49   4.00   3.25
YES
*** AERMOD - VERSION 22112 ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***           10/07/22
*** AERMET - VERSION 16216 ***
***
***

```

14:46:30

PAGE 54

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

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

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE		ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		X				
(METERS)	CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
L0009287	0	0.66330E-07	471599.8	3752301.5	518.5	3.49	4.00	3.25
YES								
L0009288	0	0.66330E-07	471608.4	3752301.6	518.1	3.49	4.00	3.25
YES								
L0009289	0	0.66330E-07	471617.0	3752301.6	518.2	3.49	4.00	3.25
YES								
L0009290	0	0.66330E-07	471625.6	3752301.7	518.4	3.49	4.00	3.25
YES								
L0009291	0	0.66330E-07	471634.2	3752301.7	518.7	3.49	4.00	3.25
YES								
L0009292	0	0.66330E-07	471642.8	3752301.8	519.0	3.49	4.00	3.25
YES								
L0009293	0	0.66330E-07	471651.4	3752301.8	519.5	3.49	4.00	3.25
YES								
L0009294	0	0.66330E-07	471660.0	3752301.9	520.1	3.49	4.00	3.25
YES								
L0009295	0	0.66330E-07	471668.5	3752302.0	520.6	3.49	4.00	3.25
YES								
L0009296	0	0.66330E-07	471677.1	3752302.0	520.4	3.49	4.00	3.25
YES								
L0009297	0	0.66330E-07	471685.7	3752302.1	520.1	3.49	4.00	3.25
YES								
L0009298	0	0.66330E-07	471694.3	3752302.1	519.8	3.49	4.00	3.25
YES								
L0009299	0	0.66330E-07	471702.9	3752302.2	519.5	3.49	4.00	3.25
YES								
L0009300	0	0.66330E-07	471711.5	3752302.2	519.3	3.49	4.00	3.25
YES								
L0009301	0	0.66330E-07	471720.1	3752302.3	519.1	3.49	4.00	3.25
YES								
L0009302	0	0.66330E-07	471728.7	3752302.3	518.8	3.49	4.00	3.25
YES								
L0009303	0	0.66330E-07	471737.3	3752302.4	518.8	3.49	4.00	3.25
YES								
L0009304	0	0.66330E-07	471745.9	3752302.4	518.8	3.49	4.00	3.25
YES								
L0009305	0	0.66330E-07	471754.4	3752302.5	518.8	3.49	4.00	3.25
YES								
L0009306	0	0.66330E-07	471763.0	3752302.6	518.8	3.49	4.00	3.25
YES								
L0009307	0	0.66330E-07	471771.6	3752302.6	518.9	3.49	4.00	3.25

YES	L0009308	0	0.66330E-07	471780.2	3752302.7	518.9	3.49	4.00	3.25
YES	L0009309	0	0.66330E-07	471784.5	3752298.4	519.0	3.49	4.00	3.25
YES	L0009310	0	0.66330E-07	471784.5	3752289.8	519.1	3.49	4.00	3.25
YES	L0009311	0	0.66330E-07	471784.5	3752281.2	519.2	3.49	4.00	3.25
YES	L0009312	0	0.86350E-07	471784.4	3752282.8	519.2	3.49	4.00	3.25
YES	L0009313	0	0.86350E-07	471784.1	3752291.3	519.1	3.49	4.00	3.25
YES	L0009314	0	0.86350E-07	471783.9	3752299.9	519.0	3.49	4.00	3.25
YES	L0009315	0	0.86350E-07	471789.0	3752303.4	519.0	3.49	4.00	3.25
YES	L0009316	0	0.86350E-07	471797.6	3752303.4	517.1	3.49	4.00	3.25
YES	L0009317	0	0.86350E-07	471806.2	3752303.4	515.1	3.49	4.00	3.25
YES	L0009318	0	0.86350E-07	471814.8	3752303.4	513.1	3.49	4.00	3.25
YES	L0009319	0	0.86350E-07	471823.4	3752303.4	512.2	3.49	4.00	3.25
YES	L0009320	0	0.86350E-07	471831.9	3752303.5	512.7	3.49	4.00	3.25
YES	L0009321	0	0.86350E-07	471840.5	3752303.5	513.2	3.49	4.00	3.25
YES	L0009322	0	0.86350E-07	471849.1	3752303.5	513.7	3.49	4.00	3.25
YES	L0009323	0	0.86350E-07	471857.7	3752303.5	514.4	3.49	4.00	3.25
YES	L0009324	0	0.86350E-07	471866.3	3752303.5	515.0	3.49	4.00	3.25
YES	L0009325	0	0.86350E-07	471874.9	3752303.6	515.6	3.49	4.00	3.25
YES	L0009326	0	0.86350E-07	471883.5	3752303.6	516.1	3.49	4.00	3.25

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 55

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

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

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

L0009327	0	0.86350E-07	471892.1	3752303.6	516.3	3.49	4.00	3.25	
YES	L0009328	0	0.86350E-07	471900.7	3752303.6	516.5	3.49	4.00	3.25
YES	L0009329	0	0.86350E-07	471909.3	3752303.7	516.8	3.49	4.00	3.25
YES	L0009330	0	0.86350E-07	471917.8	3752303.7	516.7	3.49	4.00	3.25

YES								
L0009331	0	0.86350E-07	471926.4	3752303.7	516.6	3.49	4.00	3.25
YES								
L0009332	0	0.86350E-07	471935.0	3752303.7	516.6	3.49	4.00	3.25
YES								
L0009333	0	0.86350E-07	471943.6	3752303.7	516.5	3.49	4.00	3.25
YES								
L0009334	0	0.86350E-07	471952.2	3752303.8	516.3	3.49	4.00	3.25
YES								
L0009335	0	0.86350E-07	471960.8	3752303.8	516.1	3.49	4.00	3.25
YES								
L0009336	0	0.86350E-07	471969.4	3752303.8	516.0	3.49	4.00	3.25
YES								
L0009337	0	0.86350E-07	471978.0	3752303.8	515.8	3.49	4.00	3.25
YES								
L0009338	0	0.86350E-07	471986.6	3752303.8	515.6	3.49	4.00	3.25
YES								
L0009339	0	0.86350E-07	471995.2	3752303.9	515.4	3.49	4.00	3.25
YES								
L0009340	0	0.86350E-07	472003.7	3752303.9	515.1	3.49	4.00	3.25
YES								
L0009341	0	0.86350E-07	472012.3	3752303.9	514.8	3.49	4.00	3.25
YES								
L0009342	0	0.86350E-07	472020.9	3752303.9	514.6	3.49	4.00	3.25
YES								
L0009343	0	0.86350E-07	472029.5	3752303.9	514.3	3.49	4.00	3.25
YES								
L0009344	0	0.86350E-07	472038.1	3752304.0	514.1	3.49	4.00	3.25
YES								
L0009345	0	0.86350E-07	472046.7	3752304.0	513.8	3.49	4.00	3.25
YES								
L0009346	0	0.41110E-07	471104.2	3752254.7	510.8	3.49	4.00	3.25
YES								
L0009347	0	0.41110E-07	471096.6	3752258.7	510.5	3.49	4.00	3.25
YES								
L0009348	0	0.41110E-07	471089.0	3752262.7	509.9	3.49	4.00	3.25
YES								
L0009349	0	0.41110E-07	471088.0	3752255.5	509.8	3.49	4.00	3.25
YES								
L0009350	0	0.41110E-07	471088.0	3752247.0	509.7	3.49	4.00	3.25
YES								
L0009351	0	0.41110E-07	471087.9	3752238.4	509.6	3.49	4.00	3.25
YES								
L0009352	0	0.41110E-07	471087.9	3752229.8	509.5	3.49	4.00	3.25
YES								
L0009353	0	0.41110E-07	471087.8	3752221.2	509.4	3.49	4.00	3.25
YES								
L0009354	0	0.41110E-07	471087.7	3752212.6	509.3	3.49	4.00	3.25
YES								
L0009355	0	0.41110E-07	471087.7	3752204.0	509.4	3.49	4.00	3.25
YES								
L0009356	0	0.41110E-07	471087.6	3752195.4	509.8	3.49	4.00	3.25
YES								
L0009357	0	0.41110E-07	471087.6	3752186.8	510.3	3.49	4.00	3.25
YES								
L0009358	0	0.41110E-07	471087.5	3752178.2	510.7	3.49	4.00	3.25
YES								
L0009359	0	0.41110E-07	471087.4	3752169.6	511.2	3.49	4.00	3.25
YES								
L0009360	0	0.41110E-07	471087.4	3752161.1	511.7	3.49	4.00	3.25
YES								
L0009361	0	0.41110E-07	471087.3	3752152.5	512.2	3.49	4.00	3.25
YES								
L0009362	0	0.41110E-07	471087.3	3752143.9	512.5	3.49	4.00	3.25
YES								
L0009363	0	0.41110E-07	471090.3	3752138.4	512.4	3.49	4.00	3.25

YES  
 L0009364 0 0.41110E-07 471098.9 3752138.4 512.7 3.49 4.00 3.25  
 YES  
 L0009365 0 0.32020E-07 471044.9 3751936.4 514.5 3.49 4.00 3.25  
 YES  
 L0009366 0 0.32020E-07 471036.3 3751936.6 513.8 3.49 4.00 3.25  
 YES

**FF** \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 56

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

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

SOURCE	NUMBER	EMISSION	RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE			ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)		X	Y	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	CATS.								
L0009367	0	0.32020E-07	471027.7	3751936.8	513.2	3.49	4.00	3.25	
YES									
L0009368	0	0.32020E-07	471019.4	3751938.6	512.6	3.49	4.00	3.25	
YES									
L0009369	0	0.32020E-07	471016.0	3751943.4	512.4	3.49	4.00	3.25	
YES									
L0009370	0	0.32020E-07	471019.2	3751951.3	512.5	3.49	4.00	3.25	
YES									
L0009371	0	0.32020E-07	471022.5	3751959.3	512.5	3.49	4.00	3.25	
YES									
L0009372	0	0.32020E-07	471025.8	3751967.2	512.6	3.49	4.00	3.25	
YES									
L0009373	0	0.32020E-07	471029.0	3751975.1	512.9	3.49	4.00	3.25	
YES									
L0009374	0	0.32020E-07	471032.3	3751983.1	513.3	3.49	4.00	3.25	
YES									
L0009375	0	0.32020E-07	471035.5	3751991.0	513.7	3.49	4.00	3.25	
YES									
L0009376	0	0.32020E-07	471038.8	3751999.0	514.0	3.49	4.00	3.25	
YES									
L0009377	0	0.32020E-07	471042.1	3752006.9	514.5	3.49	4.00	3.25	
YES									
L0009378	0	0.32020E-07	471045.3	3752014.9	514.9	3.49	4.00	3.25	
YES									
L0009379	0	0.32020E-07	471048.6	3752022.8	515.2	3.49	4.00	3.25	
YES									
L0009380	0	0.32020E-07	471052.6	3752028.9	515.4	3.49	4.00	3.25	
YES									
L0009381	0	0.32020E-07	471060.5	3752025.5	515.7	3.49	4.00	3.25	
YES									
L0009382	0	0.52760E-07	471043.8	3751831.5	512.4	3.49	4.00	3.25	
YES									
L0009383	0	0.52760E-07	471035.2	3751831.5	512.9	3.49	4.00	3.25	
YES									
L0009384	0	0.52760E-07	471029.0	3751829.2	513.7	3.49	4.00	3.25	
YES									
L0009385	0	0.52760E-07	471029.0	3751820.6	514.2	3.49	4.00	3.25	
YES									
L0009386	0	0.52760E-07	471029.1	3751812.0	514.4	3.49	4.00	3.25	

```

YES
L0009387      0  0.52760E-07  471029.1  3751803.4  514.5  3.49  4.00  3.25
YES
L0009388      0  0.52760E-07  471029.1  3751794.8  514.6  3.49  4.00  3.25
YES
L0009389      0  0.52760E-07  471029.2  3751786.2  514.7  3.49  4.00  3.25
YES
L0009390      0  0.52760E-07  471029.2  3751777.6  515.1  3.49  4.00  3.25
YES
L0009391      0  0.52760E-07  471029.3  3751769.0  515.5  3.49  4.00  3.25
YES
L0009392      0  0.52760E-07  471029.3  3751760.4  515.8  3.49  4.00  3.25
YES
L0009393      0  0.52760E-07  471029.4  3751751.9  516.3  3.49  4.00  3.25
YES
L0009394      0  0.52760E-07  471029.4  3751743.3  516.7  3.49  4.00  3.25
YES
L0009395      0  0.52760E-07  471029.4  3751734.7  517.2  3.49  4.00  3.25
YES
L0009396      0  0.52760E-07  471029.5  3751726.1  517.7  3.49  4.00  3.25
YES
L0009397      0  0.52760E-07  471037.6  3751725.6  518.0  3.49  4.00  3.25
YES
L0009398      0  0.52760E-07  471046.2  3751725.6  518.3  3.49  4.00  3.25
YES
L0009399      0  0.40230E-07  471041.7  3751685.4  520.3  3.49  4.00  3.25
YES
L0009400      0  0.40230E-07  471033.1  3751685.9  519.9  3.49  4.00  3.25
YES
L0009401      0  0.40230E-07  471028.5  3751682.3  520.1  3.49  4.00  3.25
YES
L0009402      0  0.40230E-07  471028.5  3751673.7  520.7  3.49  4.00  3.25
YES
L0009403      0  0.40230E-07  471028.5  3751665.2  521.3  3.49  4.00  3.25
YES
L0009404      0  0.40230E-07  471028.6  3751656.6  521.5  3.49  4.00  3.25
YES
L0009405      0  0.40230E-07  471028.6  3751648.0  521.7  3.49  4.00  3.25
YES
L0009406      0  0.40230E-07  471028.7  3751639.4  521.9  3.49  4.00  3.25
YES

```

```

*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***      10/07/22

```

```

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

```

```

***      14:46:30

```

```

PAGE 57

```

```

*** MODELOPTs:   RegDEFAULT  CONC  ELEV  URBAN  ADJ_U*

```

```

*** VOLUME SOURCE DATA ***

```

```

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

```

```

L0009407      0  0.40230E-07  471028.7  3751630.8  521.7  3.49  4.00  3.25
YES
L0009408      0  0.40230E-07  471028.8  3751622.2  521.4  3.49  4.00  3.25
YES
L0009409      0  0.40230E-07  471028.8  3751613.6  521.2  3.49  4.00  3.25

```

YES								
L0009410	0	0.40230E-07	471028.9	3751605.0	521.0	3.49	4.00	3.25
YES								
L0009411	0	0.40230E-07	471028.9	3751596.4	521.2	3.49	4.00	3.25
YES								
L0009412	0	0.40230E-07	471029.4	3751588.3	521.4	3.49	4.00	3.25
YES								
L0009413	0	0.40230E-07	471038.0	3751588.1	521.9	3.49	4.00	3.25
YES								
L0009414	0	0.40230E-07	471046.6	3751587.9	522.5	3.49	4.00	3.25
YES								
L0009415	0	0.44480E-07	471143.1	3751335.8	523.4	3.49	4.00	3.25
YES								
L0009416	0	0.44480E-07	471143.1	3751344.4	523.6	3.49	4.00	3.25
YES								
L0009417	0	0.44480E-07	471143.1	3751353.0	523.7	3.49	4.00	3.25
YES								
L0009418	0	0.44480E-07	471143.2	3751361.6	523.8	3.49	4.00	3.25
YES								
L0009419	0	0.44480E-07	471143.2	3751370.2	523.9	3.49	4.00	3.25
YES								
L0009420	0	0.44480E-07	471143.2	3751378.7	523.7	3.49	4.00	3.25
YES								
L0009421	0	0.44480E-07	471143.2	3751387.3	523.6	3.49	4.00	3.25
YES								
L0009422	0	0.44480E-07	471143.3	3751395.9	523.5	3.49	4.00	3.25
YES								
L0009423	0	0.44480E-07	471143.3	3751404.5	523.7	3.49	4.00	3.25
YES								
L0009424	0	0.44480E-07	471143.3	3751413.1	524.0	3.49	4.00	3.25
YES								
L0009425	0	0.44480E-07	471143.3	3751421.7	524.3	3.49	4.00	3.25
YES								
L0009426	0	0.44480E-07	471143.4	3751430.3	524.5	3.49	4.00	3.25
YES								
L0009427	0	0.44480E-07	471143.4	3751438.9	524.6	3.49	4.00	3.25
YES								
L0009428	0	0.44480E-07	471143.4	3751447.5	524.8	3.49	4.00	3.25
YES								
L0009429	0	0.44480E-07	471143.4	3751456.1	524.9	3.49	4.00	3.25
YES								
L0009430	0	0.44480E-07	471143.5	3751464.6	524.8	3.49	4.00	3.25
YES								
L0009431	0	0.44480E-07	471143.5	3751473.2	524.7	3.49	4.00	3.25
YES								
L0009432	0	0.44480E-07	471143.5	3751481.8	524.5	3.49	4.00	3.25
YES								
L0009433	0	0.44480E-07	471143.5	3751490.4	524.5	3.49	4.00	3.25
YES								
L0009434	0	0.44480E-07	471143.5	3751499.0	524.5	3.49	4.00	3.25
YES								

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 58

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

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

SRCGROUP ID  
-----

SOURCE IDs  
-----

ALL	L0007207	,	L0007208	,	L0007209	,	L0007210	,	L0007211	,	L0007212	,
L0007213	, L0007214	,		,		,		,		,		,
	L0007215	,	L0007216	,	L0007217	,	L0007218	,	L0007219	,	L0007220	,
	L0007221	,	L0007222	,		,		,		,		,
	L0007223	,	L0007224	,	L0007225	,	L0007226	,	L0007227	,	L0007228	,
	L0007229	,	L0007230	,		,		,		,		,
	L0007231	,	L0007232	,	L0007233	,	L0007234	,	L0007235	,	L0007236	,
	L0007237	,	L0007238	,		,		,		,		,
	L0007239	,	L0007240	,	L0007241	,	L0007242	,	L0007243	,	L0007244	,
	L0007245	,	L0007246	,		,		,		,		,
	L0007247	,	L0007248	,	L0007249	,	L0007250	,	L0007251	,	L0007252	,
	L0007253	,	L0007254	,		,		,		,		,
	L0007255	,	L0007256	,	L0007257	,	L0007258	,	L0007259	,	L0007260	,
	L0007261	,	L0007262	,		,		,		,		,
	L0007263	,	L0007264	,	L0007265	,	L0007266	,	L0007267	,	L0007268	,
	L0007269	,	L0007270	,		,		,		,		,
	L0007271	,	L0007272	,	L0007273	,	L0007274	,	L0007275	,	L0007276	,
	L0007277	,	L0007278	,		,		,		,		,
	L0007279	,	L0007280	,	L0007281	,	L0007282	,	L0007283	,	L0007284	,
	L0007285	,	L0007286	,		,		,		,		,
	L0007287	,	L0007288	,	L0007289	,	L0007290	,	L0007291	,	L0007292	,
	L0007293	,	L0007294	,		,		,		,		,
	L0007295	,	L0007296	,	L0007297	,	L0007298	,	L0007299	,	L0007300	,
	L0007301	,	L0007302	,		,		,		,		,
	L0007303	,	L0007304	,	L0007305	,	L0007306	,	L0007307	,	L0007308	,
	L0007309	,	L0007310	,		,		,		,		,
	L0007311	,	L0007312	,	L0007313	,	L0007314	,	L0007315	,	L0007316	,
	L0007317	,	L0007318	,		,		,		,		,
	L0007319	,	L0007320	,	L0007321	,	L0007322	,	L0007323	,	L0007324	,
	L0007325	,	L0007326	,		,		,		,		,
	L0007327	,	L0007328	,	L0007329	,	L0007330	,	L0007331	,	L0007332	,
	L0007333	,	L0007334	,		,		,		,		,
	L0007335	,	L0007336	,	L0007337	,	L0007338	,	L0007339	,	L0007340	,
	L0007341	,	L0007342	,		,		,		,		,
	L0007343	,	L0007344	,	L0007345	,	L0007346	,	L0007347	,	L0007348	,
	L0007349	,	L0007350	,		,		,		,		,
	L0007351	,	L0007352	,	L0007353	,	L0007354	,	L0007355	,	L0007356	,
	L0007357	,	L0007358	,		,		,		,		,
	L0007359	,	L0007360	,	L0007361	,	L0007362	,	L0007363	,	L0007364	,
	L0007365	,	L0007366	,		,		,		,		,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West

Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

14:46:30

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

SRCGROUP ID

SOURCE IDs

-----

-----

L0007367	,	L0007368	,	L0007369	,	L0007370	,	L0007371	,	L0007372	,
L0007373	,	L0007374	,		,		,		,		,
L0007375	,	L0007376	,	L0007377	,	L0007378	,	L0007379	,	L0007380	,
L0007381	,	L0007382	,		,		,		,		,
L0007383	,	L0007384	,	L0007385	,	L0007386	,	L0007387	,	L0007388	,
L0007389	,	L0007390	,		,		,		,		,
L0007391	,	L0007392	,	L0007393	,	L0007394	,	L0007395	,	L0007396	,
L0007397	,	L0007398	,		,		,		,		,
L0007399	,	L0007400	,	L0007401	,	L0007402	,	L0007403	,	L0007404	,
L0007405	,	L0007406	,		,		,		,		,
L0007407	,	L0007408	,	L0007409	,	L0007410	,	L0007411	,	L0007412	,
L0007413	,	L0007414	,		,		,		,		,
L0007415	,	L0007416	,	L0007417	,	L0007418	,	L0007419	,	L0007420	,
L0007421	,	L0007422	,		,		,		,		,
L0007423	,	L0007424	,	L0007425	,	L0007426	,	L0007427	,	L0007428	,
L0007429	,	L0007430	,		,		,		,		,
L0007431	,	L0007432	,	L0007433	,	L0007434	,	L0007435	,	L0007436	,
L0007437	,	L0007438	,		,		,		,		,
L0007439	,	L0007440	,	L0007441	,	L0007442	,	L0007443	,	L0007444	,
L0007445	,	L0007446	,		,		,		,		,
L0007447	,	L0007448	,	L0007449	,	L0007450	,	L0007451	,	L0007452	,
L0007453	,	L0007454	,		,		,		,		,
L0007455	,	L0007456	,	L0007457	,	L0007458	,	L0007459	,	L0007460	,
L0007461	,	L0007462	,		,		,		,		,
L0007463	,	L0007464	,	L0007465	,	L0007466	,	L0007467	,	L0007468	,
L0007469	,	L0007470	,		,		,		,		,
L0007471	,	L0007472	,	L0007473	,	L0007474	,	L0007475	,	L0007476	,
L0007477	,	L0007478	,		,		,		,		,
L0007479	,	L0007480	,	L0007481	,	L0007482	,	L0007483	,	L0007484	,
L0007485	,	L0007486	,		,		,		,		,
L0007487	,	L0007488	,	L0007489	,	L0007490	,	L0007491	,	L0007492	,
L0007493	,	L0007494	,		,		,		,		,
L0007495	,	L0007496	,	L0007497	,	L0007498	,	L0007499	,	L0007500	,
L0007501	,	L0007502	,		,		,		,		,
L0007503	,	L0007504	,	L0007505	,	L0007506	,	L0007507	,	L0007508	,
L0007509	,	L0007510	,		,		,		,		,
L0007511	,	L0007512	,	L0007513	,	L0007514	,	L0007515	,	L0007516	,
L0007517	,	L0007518	,		,		,		,		,
L0007519	,	L0007520	,	L0007521	,	L0007522	,	L0007523	,	L0007524	,



L0007525 , L0007526 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

14:46:30

PAGE 60

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

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

SRCGROUP ID

SOURCE IDs

-----

-----

L0007527 , L0007528 , L0007529 , L0007530 , L0007531 , L0007532 ,  
L0007533 , L0007534 ,

L0007535 , L0007536 , L0007537 , L0007538 , L0007539 , L0007540 ,  
L0007541 , L0007542 ,

L0007543 , L0007544 , L0007545 , L0007546 , L0007547 , L0007548 ,  
L0007549 , L0007550 ,

L0007551 , L0007552 , L0007553 , 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 , L0007587 , L0007588 ,  
L0007589 , L0007590 ,

L0007591 , L0007592 , L0007593 , L0007594 , L0007595 , L0007596 ,  
L0007597 , L0007598 ,

L0007599 , L0007600 , L0007601 , L0007602 , L0007603 , L0007604 ,  
L0007605 , L0007606 ,

L0007607 , L0007608 , L0007609 , L0007610 , L0007611 , L0007612 ,  
L0007613 , L0007614 ,

L0007615 , L0007616 , L0007617 , L0007618 , L0007619 , L0007620 ,  
L0007621 , L0007622 ,

L0007623 , L0007624 , L0007625 , L0007626 , L0007627 , L0007628 ,  
L0007629 , L0007630 ,

L0007631 , L0007632 , L0007633 , L0007634 , L0007635 , L0007636 ,  
L0007637 , L0007638 ,

L0007639 , L0007640 , L0007641 , L0007642 , L0007643 , L0007644 ,  
L0007645 , L0007646 ,

L0007647 , L0007648 , L0007649 , L0007650 , L0007651 , L0007652 ,  
L0007653 , L0007654 ,

L0007655 , L0007656 , L0007657 , L0007658 , L0007659 , L0007660 ,  
L0007661 , L0007662 ,

L0007663 , L0007664 , L0007665 , L0007666 , L0007667 , L0007668 ,  
 L0007669 , L0007670 ,  
  
 L0007671 , L0007672 , L0007673 , L0007674 , L0007675 , L0007676 ,  
 L0007677 , L0007678 ,  
  
 L0007679 , L0007680 , L0007681 , L0007682 , L0007683 , L0007684 ,  
 L0007685 , L0007686 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 61

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

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

SRCGROUP ID

SOURCE IDs

-----

-----

L0007687 , L0007688 , L0007689 , L0007690 , L0007691 , L0007692 ,  
 L0007693 , L0007694 ,  
  
 L0007695 , L0007696 , L0007697 , L0007698 , L0007699 , L0007700 ,  
 L0007701 , L0007702 ,  
  
 L0007703 , L0007704 , L0007705 , L0007706 , L0007707 , L0007708 ,  
 L0007709 , L0007710 ,  
  
 L0007711 , L0007712 , L0007713 , L0007714 , L0007715 , L0007716 ,  
 L0007717 , L0007718 ,  
  
 L0007719 , L0007720 , L0007721 , L0007722 , L0007723 , L0007724 ,  
 L0007725 , L0007726 ,  
  
 L0007727 , L0007728 , L0007729 , L0007730 , L0007731 , L0007732 ,  
 L0007733 , L0007734 ,  
  
 L0007735 , L0007736 , L0007737 , L0007738 , L0007739 , L0007740 ,  
 L0007741 , L0007742 ,  
  
 L0007743 , L0007744 , L0007745 , L0007746 , L0007747 , L0007748 ,  
 L0007749 , L0007750 ,  
  
 L0007751 , L0007752 , L0007753 , L0007754 , L0007755 , L0007756 ,  
 L0007757 , L0007758 ,  
  
 L0007759 , L0007760 , L0007761 , L0007762 , L0007763 , L0007764 ,  
 L0007765 , L0007766 ,  
  
 L0007767 , L0007768 , L0007769 , L0007770 , L0007771 , L0007772 ,  
 L0007773 , L0007774 ,  
  
 L0007775 , L0007776 , L0007777 , L0007778 , L0007779 , L0007780 ,  
 L0007781 , L0007782 ,  
  
 L0007783 , L0007784 , L0007785 , L0007786 , L0007787 , L0007788 ,  
 L0007789 , L0007790 ,  
  
 L0007791 , L0007792 , L0007793 , L0007794 , L0007795 , L0007796 ,  
 L0007797 , L0007798 ,

L0007799 , L0007800 , L0007801 , L0007802 , L0007803 , L0007804 ,  
 L0007805 , L0007806 ,  
  
 L0007807 , L0007808 , L0007809 , L0007810 , L0007811 , L0007812 ,  
 L0007813 , L0007814 ,  
  
 L0007815 , L0007816 , L0007817 , L0007818 , L0007819 , L0007820 ,  
 L0007821 , L0007822 ,  
  
 L0007823 , L0007824 , L0007825 , L0007826 , L0007827 , L0007828 ,  
 L0007829 , L0007830 ,  
  
 L0007831 , L0007832 , L0007833 , L0007834 , L0007835 , L0007836 ,  
 L0007837 , L0007838 ,  
  
 L0007839 , L0007840 , L0007841 , L0007842 , L0007843 , L0007844 ,  
 L0007845 , L0007846 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 62

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

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

SRCGROUP ID  
 -----

SOURCE IDs  
 -----

L0007847 , L0007848 , L0007849 , L0007850 , L0007851 , L0007852 ,  
 L0007853 , L0007854 ,  
  
 L0007855 , L0007856 , L0007857 , L0007858 , L0007859 , L0007860 ,  
 L0007861 , L0007862 ,  
  
 L0007863 , L0007864 , L0007865 , L0007866 , L0007867 , L0007868 ,  
 L0007869 , L0007870 ,  
  
 L0007871 , L0007872 , L0007873 , L0007874 , L0007875 , L0007876 ,  
 L0007877 , L0007878 ,  
  
 L0007879 , L0007880 , L0007881 , L0007882 , L0007883 , L0007884 ,  
 L0007885 , L0007886 ,  
  
 L0007887 , L0007888 , L0007889 , L0007890 , L0007891 , L0007892 ,  
 L0007893 , L0007894 ,  
  
 L0007895 , L0007896 , L0007897 , L0007898 , L0007899 , L0007900 ,  
 L0007901 , L0007902 ,  
  
 L0007903 , L0007904 , L0007905 , L0007906 , L0007907 , L0007908 ,  
 L0007909 , L0007910 ,  
  
 L0007911 , L0007912 , L0007913 , L0007914 , L0007915 , L0007916 ,  
 L0007917 , L0007918 ,  
  
 L0007919 , L0007920 , L0007921 , L0007922 , L0007923 , L0007924 ,  
 L0007925 , L0007926 ,  
  
 L0007927 , L0007928 , L0007929 , L0007930 , L0007931 , L0007932 ,  
 L0007933 , L0007934 ,  
  
 L0007935 , L0007936 , L0007937 , L0007938 , L0007939 , L0007940 ,

L0007941 , L0007942 ,  
 L0007943 , L0007944 , L0007945 , L0007946 , L0007947 , L0007948 ,  
 L0007949 , L0007950 ,  
 L0007951 , L0007952 , L0007953 , L0007954 , L0007955 , L0007956 ,  
 L0007957 , L0007958 ,  
 L0007959 , L0007960 , L0007961 , L0007962 , L0007963 , L0007964 ,  
 L0007965 , L0007966 ,  
 L0007967 , L0007968 , L0007969 , L0007970 , L0007971 , L0007972 ,  
 L0007973 , L0007974 ,  
 L0007975 , L0007976 , L0007977 , L0007978 , L0007979 , L0007980 ,  
 L0007981 , L0007982 ,  
 L0007983 , L0007984 , L0007985 , L0007986 , L0007987 , L0007988 ,  
 L0007989 , L0007990 ,  
 L0007991 , L0007992 , L0007993 , L0007994 , L0007995 , L0007996 ,  
 L0007997 , L0007998 ,  
 L0007999 , L0008000 , L0008001 , L0008002 , L0008003 , L0008004 ,  
 L0008005 , L0008006 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 63

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

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

SRCGROUP ID  
-----

SOURCE IDs  
-----

L0008007 , L0008008 , L0008009 , L0008010 , L0008011 , L0008012 ,  
 L0008013 , L0008014 ,  
 L0008015 , L0008016 , L0008017 , L0008018 , L0008019 , L0008020 ,  
 L0008021 , L0008022 ,  
 L0008023 , L0008024 , L0008025 , L0008026 , L0008027 , L0008028 ,  
 L0008029 , L0008030 ,  
 L0008031 , L0008032 , L0008033 , L0008034 , L0008035 , L0008036 ,  
 L0008037 , L0008038 ,  
 L0008039 , L0008040 , L0008041 , L0008042 , L0008043 , L0008044 ,  
 L0008045 , L0008046 ,  
 L0008047 , L0008048 , L0008049 , L0008050 , L0008051 , L0008052 ,  
 L0008053 , L0008054 ,  
 L0008055 , L0008056 , L0008057 , L0008058 , L0008059 , L0008060 ,  
 L0008061 , L0008062 ,  
 L0008063 , L0008064 , L0008065 , L0008066 , L0008067 , L0008068 ,  
 L0008069 , L0008070 ,  
 L0008071 , L0008072 , L0008073 , L0008074 , L0008075 , L0008076 ,  
 L0008077 , L0008078 ,

```

L0008079 , L0008080 , L0008081 , L0008082 , L0008083 , L0008084 ,
L0008085 , L0008086 ,

L0008087 , L0008088 , L0008089 , L0008090 , L0008091 , L0008092 ,
L0008093 , L0008094 ,

L0008095 , L0008096 , L0008097 , L0008098 , L0008099 , L0008100 ,
L0008101 , L0008102 ,

L0008103 , L0008104 , L0008105 , L0008106 , L0008107 , L0008108 ,
L0008109 , L0008110 ,

L0008111 , L0008112 , L0008113 , L0008114 , L0008115 , L0008116 ,
L0008117 , L0008118 ,

L0008119 , L0008120 , L0008121 , L0008122 , L0008123 , L0008124 ,
L0008125 , L0008126 ,

L0008127 , L0008128 , L0008129 , L0008130 , L0008131 , L0008132 ,
L0008133 , L0008134 ,

L0008135 , L0008136 , L0008137 , L0008138 , L0008139 , L0008140 ,
L0008141 , L0008142 ,

L0008143 , L0008144 , L0008145 , L0008146 , L0008147 , L0008148 ,
L0008149 , L0008150 ,

L0008151 , L0008152 , L0008153 , L0008154 , L0008155 , L0008156 ,
L0008157 , L0008158 ,

L0008159 , L0008160 , L0008161 , L0008162 , L0008163 , L0008164 ,
L0008165 , L0008166 ,

```

```

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/07/22
*** AERMET - VERSION 16216 ***
*** *** 14:46:30

```

PAGE 64

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

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

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0008167	, L0008168	, L0008169	, L0008170	, L0008171	, L0008172	,
L0008173	, L0008174	,				
L0008175	, L0008176	, L0008177	, L0008178	, L0008179	, L0008180	,
L0008181	, L0008182	,				
L0008183	, L0008184	, L0008185	, L0008186	, L0008187	, L0008188	,
L0008189	, L0008190	,				
L0008191	, L0008192	, L0008193	, L0008194	, L0008195	, L0008196	,
L0008197	, L0008198	,				
L0008199	, L0008200	, L0008201	, L0008202	, L0008203	, L0008204	,
L0008205	, L0008206	,				
L0008207	, L0008208	, L0008209	, L0008210	, L0008211	, L0008212	,
L0008213	, L0008214	,				

```

L0008215 , L0008216 , L0008217 , L0008218 , L0008219 , L0008220 ,
L0008221 , L0008222 ,

L0008223 , L0008224 , L0008225 , L0008226 , L0008227 , L0008228 ,
L0008229 , L0008230 ,

L0008231 , L0008232 , L0008233 , L0008234 , L0008235 , L0008236 ,
L0008237 , L0008238 ,

L0008239 , L0008240 , L0008241 , L0008242 , L0008243 , L0008244 ,
L0008245 , L0008246 ,

L0008247 , L0008248 , L0008249 , L0008250 , L0008251 , L0008252 ,
L0008253 , L0008254 ,

L0008255 , L0008256 , L0008257 , L0008258 , L0008259 , L0008260 ,
L0008261 , L0008262 ,

L0008263 , L0008264 , L0008265 , L0008266 , L0008267 , L0008268 ,
L0008269 , L0008270 ,

L0008271 , L0008272 , L0008273 , L0008274 , L0008275 , L0008276 ,
L0008277 , L0008278 ,

L0008279 , L0008280 , L0008281 , L0008282 , L0008283 , L0008284 ,
L0008285 , L0008286 ,

L0008287 , L0008288 , L0008289 , L0008290 , L0008291 , L0008292 ,
L0008293 , L0008294 ,

L0008295 , L0008296 , L0008297 , L0008298 , L0008299 , L0008300 ,
L0008301 , L0008302 ,

L0008303 , L0008304 , L0008305 , L0008306 , L0008307 , L0008308 ,
L0008309 , L0008310 ,

L0008311 , L0008312 , L0008313 , L0008314 , L0008315 , L0008316 ,
L0008317 , L0008318 ,

L0008319 , L0008320 , L0008321 , L0008322 , L0008323 , L0008324 ,
L0008325 , L0008326 ,

```

```

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/07/22

```

```

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

```

```

*** 14:46:30

```

```

PAGE 65

```

```

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

```

```

*** SOURCE IDs DEFINING SOURCE GROUPS ***

```

```

SRCGROUP ID
-----

```

```

SOURCE IDs
-----

```

```

L0008327 , L0008328 , L0008329 , L0008330 , L0008331 , L0008332 ,
L0008333 , L0008334 ,

L0008335 , L0008336 , L0008337 , L0008338 , L0008339 , L0008340 ,
L0008341 , L0008342 ,

L0008343 , L0008344 , L0008345 , L0008346 , L0008347 , L0008348 ,
L0008349 , L0008350 ,

L0008351 , L0008352 , L0008353 , L0008354 , L0008355 , L0008356 ,

```

L0008357 , L0008358 ,  
 L0008359 , L0008360 , L0008361 , L0008362 , L0008363 , L0008364 ,  
 L0008365 , L0008366 ,  
 L0008367 , L0008368 , L0008369 , L0008370 , L0008371 , L0008372 ,  
 L0008373 , L0008374 ,  
 L0008375 , L0008376 , L0008377 , L0008378 , L0008379 , L0008380 ,  
 L0008381 , L0008382 ,  
 L0008383 , L0008384 , L0008385 , L0008386 , L0008387 , L0008388 ,  
 L0008389 , L0008390 ,  
 L0008391 , L0008392 , L0008393 , L0008394 , L0008395 , L0008396 ,  
 L0008397 , L0008398 ,  
 L0008399 , L0008400 , L0008401 , L0008402 , L0008403 , L0008404 ,  
 L0008405 , L0008406 ,  
 L0008407 , L0008408 , L0008409 , L0008410 , 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 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAS\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 66

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

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

SRCGROUP ID  
-----

SOURCE IDs  
-----

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 , L0008547 , L0008548 ,  
 L0008549 , L0008550 ,  
  
 L0008551 , L0008552 , L0008553 , L0008554 , L0008555 , L0008556 ,  
 L0008557 , L0008558 ,  
  
 L0008559 , L0008560 , L0008561 , L0008562 , L0008563 , L0008564 ,  
 L0008565 , L0008566 ,  
  
 L0008567 , L0008568 , L0008569 , L0008570 , L0008571 , L0008572 ,  
 L0008573 , L0008574 ,  
  
 L0008575 , L0008576 , L0008577 , L0008578 , L0008579 , L0008580 ,  
 L0008581 , L0008582 ,  
  
 L0008583 , L0008584 , L0008585 , L0008586 , L0008587 , L0008588 ,  
 L0008589 , L0008590 ,  
  
 L0008591 , L0008592 , L0008593 , L0008594 , L0008595 , L0008596 ,  
 L0008597 , L0008598 ,  
  
 L0008599 , L0008600 , L0008601 , L0008602 , L0008603 , L0008604 ,  
 L0008605 , L0008606 ,  
  
 L0008607 , L0008608 , L0008609 , L0008610 , L0008611 , L0008612 ,  
 L0008613 , L0008614 ,  
  
 L0008615 , L0008616 , L0008617 , L0008618 , L0008619 , L0008620 ,  
 L0008621 , L0008622 ,  
  
 L0008623 , L0008624 , L0008625 , L0008626 , L0008627 , L0008628 ,  
 L0008629 , L0008630 ,  
  
 L0008631 , L0008632 , L0008633 , L0008634 , L0008635 , L0008636 ,  
 L0008637 , L0008638 ,  
  
 L0008639 , L0008640 , L0008641 , L0008642 , L0008643 , L0008644 ,  
 L0008645 , L0008646 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* \*\*\* 14:46:30



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

SRCGROUP ID  
-----

SOURCE IDs  
-----

L0008647	,	L0008648	,	L0008649	,	L0008650	,	L0008651	,	L0008652	,
L0008653	,	L0008654	,								
L0008655	,	L0008656	,	L0008657	,	L0008658	,	L0008659	,	L0008660	,
L0008661	,	L0008662	,								
L0008663	,	L0008664	,	L0008665	,	L0008666	,	L0008667	,	L0008668	,
L0008669	,	L0008670	,								
L0008671	,	L0008672	,	L0008673	,	L0008674	,	L0008675	,	L0008676	,
L0008677	,	L0008678	,								
L0008679	,	L0008680	,	L0008681	,	L0008682	,	L0008683	,	L0008684	,
L0008685	,	L0008686	,								
L0008687	,	L0008688	,	L0008689	,	L0008690	,	L0008691	,	L0008692	,
L0008693	,	L0008694	,								
L0008695	,	L0008696	,	L0008697	,	L0008698	,	L0008699	,	L0008700	,
L0008701	,	L0008702	,								
L0008703	,	L0008704	,	L0008705	,	L0008706	,	L0008707	,	L0008708	,
L0008709	,	L0008710	,								
L0008711	,	L0008712	,	L0008713	,	L0008714	,	L0008715	,	L0008716	,
L0008717	,	L0008718	,								
L0008719	,	L0008720	,	L0008721	,	L0008722	,	L0008723	,	L0008724	,
L0008725	,	L0008726	,								
L0008727	,	L0008728	,	L0008729	,	L0008730	,	L0008731	,	L0008732	,
L0008733	,	L0008734	,								
L0008735	,	L0008736	,	L0008737	,	L0008738	,	L0008739	,	L0008740	,
L0008741	,	L0008742	,								
L0008743	,	L0008744	,	L0008745	,	L0008746	,	L0008747	,	L0008748	,
L0008749	,	L0008750	,								
L0008751	,	L0008752	,	L0008753	,	L0008754	,	L0008755	,	L0008756	,
L0008757	,	L0008758	,								
L0008759	,	L0008760	,	L0008761	,	L0008762	,	L0008763	,	L0008764	,
L0008765	,	L0008766	,								
L0008767	,	L0008768	,	L0008769	,	L0008770	,	L0008771	,	L0008772	,
L0008773	,	L0008774	,								
L0008775	,	L0008776	,	L0008777	,	L0008778	,	L0008779	,	L0008780	,
L0008781	,	L0008782	,								
L0008783	,	L0008784	,	L0008785	,	L0008786	,	L0008787	,	L0008788	,
L0008789	,	L0008790	,								
L0008791	,	L0008792	,	L0008793	,	L0008794	,	L0008795	,	L0008796	,
L0008797	,	L0008798	,								
L0008799	,	L0008800	,	L0008801	,	L0008802	,	L0008803	,	L0008804	,
L0008805	,	L0008806	,								

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

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

SRCGROUP ID

SOURCE IDs

-----

-----

L0008807	,	L0008808	,	L0008809	,	L0008810	,	L0008811	,	L0008812	,
L0008813	,	L0008814	,								
L0008815	,	L0008816	,	L0008817	,	L0008818	,	L0008819	,	L0008820	,
L0008821	,	L0008822	,								
L0008823	,	L0008824	,	L0008825	,	L0008826	,	L0008827	,	L0008828	,
L0008829	,	L0008830	,								
L0008831	,	L0008832	,	L0008833	,	L0008834	,	L0008835	,	L0008836	,
L0008837	,	L0008838	,								
L0008839	,	L0008840	,	L0008841	,	L0008842	,	L0008843	,	L0008844	,
L0008845	,	L0008846	,								
L0008847	,	L0008848	,	L0008849	,	L0008850	,	L0008851	,	L0008852	,
L0008853	,	L0008854	,								
L0008855	,	L0008856	,	L0008857	,	L0008858	,	L0008859	,	L0008860	,
L0008861	,	L0008862	,								
L0008863	,	L0008864	,	L0008865	,	L0008866	,	L0008867	,	L0008868	,
L0008869	,	L0008870	,								
L0008871	,	L0008872	,	L0008873	,	L0008874	,	L0008875	,	L0008876	,
L0008877	,	L0008878	,								
L0008879	,	L0008880	,	L0008881	,	L0008882	,	L0008883	,	L0008884	,
L0008885	,	L0008886	,								
L0008887	,	L0008888	,	L0008889	,	L0008890	,	L0008891	,	L0008892	,
L0008893	,	L0008894	,								
L0008895	,	L0008896	,	L0008897	,	L0008898	,	L0008899	,	L0008900	,
L0008901	,	L0008902	,								
L0008903	,	L0008904	,	L0008905	,	L0008906	,	L0008907	,	L0008908	,
L0008909	,	L0008910	,								
L0008911	,	L0008912	,	L0008913	,	L0008914	,	L0008915	,	L0008916	,
L0008917	,	L0008918	,								
L0008919	,	L0008920	,	L0008921	,	L0008922	,	L0008923	,	L0008924	,
L0008925	,	L0008926	,								
L0008927	,	L0008928	,	L0008929	,	L0008930	,	L0008931	,	L0008932	,
L0008933	,	L0008934	,								
L0008935	,	L0008936	,	L0008937	,	L0008938	,	L0008939	,	L0008940	,
L0008941	,	L0008942	,								
L0008943	,	L0008944	,	L0008945	,	L0008946	,	L0008947	,	L0008948	,

L0008949 , L0008950 ,  
 L0008951 , L0008952 , L0008953 , L0008954 , L0008955 , L0008956 ,  
 L0008957 , L0008958 ,  
 L0008959 , L0008960 , L0008961 , L0008962 , L0008963 , L0008964 ,  
 L0008965 , L0008966 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 69

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

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

SRCGROUP ID  
 -----

SOURCE IDs  
 -----

L0008967 , L0008968 , L0008969 , L0008970 , L0008971 , L0008972 ,  
 L0008973 , L0008974 ,  
 L0008975 , L0008976 , L0008977 , L0008978 , L0008979 , L0008980 ,  
 L0008981 , L0008982 ,  
 L0008983 , L0008984 , L0008985 , L0008986 , L0008987 , L0008988 ,  
 L0008989 , L0008990 ,  
 L0008991 , L0008992 , L0008993 , L0008994 , L0008995 , L0008996 ,  
 L0008997 , L0008998 ,  
 L0008999 , L0009000 , L0009001 , L0009002 , L0009003 , L0009004 ,  
 L0009005 , L0009006 ,  
 L0009007 , L0009008 , L0009009 , L0009010 , L0009011 , L0009012 ,  
 L0009013 , L0009014 ,  
 L0009015 , L0009016 , L0009017 , L0009018 , L0009019 , L0009020 ,  
 L0009021 , L0009022 ,  
 L0009023 , L0009024 , L0009025 , L0009026 , L0009027 , L0009028 ,  
 L0009029 , L0009030 ,  
 L0009031 , L0009032 , L0009033 , L0009034 , L0009035 , L0009036 ,  
 L0009037 , L0009038 ,  
 L0009039 , L0009040 , L0009041 , L0009042 , L0009043 , L0009044 ,  
 L0009045 , L0009046 ,  
 L0009047 , L0009048 , L0009049 , L0009050 , L0009051 , L0009052 ,  
 L0009053 , L0009054 ,  
 L0009055 , L0009056 , L0009057 , L0009058 , L0009059 , L0009060 ,  
 L0009061 , L0009062 ,  
 L0009063 , L0009064 , L0009065 , L0009066 , L0009067 , L0009068 ,  
 L0009069 , L0009070 ,  
 L0009071 , L0009072 , L0009073 , L0009074 , L0009075 , L0009076 ,  
 L0009077 , L0009078 ,  
 L0009079 , L0009080 , L0009081 , L0009082 , L0009083 , L0009084 ,  
 L0009085 , L0009086 ,

```

L0009087 , L0009088 , L0009089 , L0009090 , L0009091 , L0009092 ,
L0009093 , L0009094 ,

L0009095 , L0009096 , L0009097 , L0009098 , L0009099 , L0009100 ,
L0009101 , L0009102 ,

L0009103 , L0009104 , L0009105 , L0009106 , L0009107 , L0009108 ,
L0009109 , L0009110 ,

L0009111 , L0009112 , L0009113 , L0009114 , L0009115 , L0009116 ,
L0009117 , L0009118 ,

L0009119 , L0009120 , L0009121 , L0009122 , L0009123 , L0009124 ,
L0009125 , L0009126 ,

```

```

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/07/22
*** AERMET - VERSION 16216 ***
*** 14:46:30

```

PAGE 70

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

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

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0009127	L0009128	L0009129	L0009130	L0009131	L0009132	
L0009133	L0009134					
L0009135	L0009136	L0009137	L0009138	L0009139	L0009140	
L0009141	L0009142					
L0009143	L0009144	L0009145	L0009146	L0009147	L0009148	
L0009149	L0009150					
L0009151	L0009152	L0009153	L0009154	L0009155	L0009156	
L0009157	L0009158					
L0009159	L0009160	L0009161	L0009162	L0009163	L0009164	
L0009165	L0009166					
L0009167	L0009168	L0009169	L0009170	L0009171	L0009172	
L0009173	L0009174					
L0009175	L0009176	L0009177	L0009178	L0009179	L0009180	
L0009181	L0009182					
L0009183	L0009184	L0009185	L0009186	L0009187	L0009188	
L0009189	L0009190					
L0009191	L0009192	L0009193	L0009194	L0009195	L0009196	
L0009197	L0009198					
L0009199	L0009200	L0009201	L0009202	L0009203	L0009204	
L0009205	L0009206					
L0009207	L0009208	L0009209	L0009210	L0009211	L0009212	
L0009213	L0009214					
L0009215	L0009216	L0009217	L0009218	L0009219	L0009220	
L0009221	L0009222					

```

L0009223 , L0009224 , L0009225 , L0009226 , L0009227 , L0009228 ,
L0009229 , L0009230 ,

L0009231 , L0009232 , L0009233 , L0009234 , L0009235 , L0009236 ,
L0009237 , L0009238 ,

L0009239 , L0009240 , L0009241 , L0009242 , L0009243 , L0009244 ,
L0009245 , L0009246 ,

L0009247 , L0009248 , L0009249 , L0009250 , L0009251 , L0009252 ,
L0009253 , L0009254 ,

L0009255 , L0009256 , L0009257 , L0009258 , L0009259 , L0009260 ,
L0009261 , L0009262 ,

L0009263 , L0009264 , L0009265 , L0009266 , L0009267 , L0009268 ,
L0009269 , L0009270 ,

L0009271 , L0009272 , L0009273 , L0009274 , L0009275 , L0009276 ,
L0009277 , L0009278 ,

L0009279 , L0009280 , L0009281 , L0009282 , L0009283 , L0009284 ,
L0009285 , L0009286 ,

```

```

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/07/22

```

```

*** AERMET - VERSION 16216 ***

```

```

***

```

```

***

```

```

14:46:30

```

```

PAGE 71

```

```

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

```

```

*** SOURCE IDs DEFINING SOURCE GROUPS ***

```

```

SRCGROUP ID
-----

```

```

SOURCE IDs
-----

```

```

L0009287 , L0009288 , L0009289 , L0009290 , L0009291 , L0009292 ,
L0009293 , L0009294 ,

L0009295 , L0009296 , L0009297 , L0009298 , L0009299 , L0009300 ,
L0009301 , L0009302 ,

L0009303 , L0009304 , L0009305 , L0009306 , L0009307 , L0009308 ,
L0009309 , L0009310 ,

L0009311 , L0009312 , L0009313 , L0009314 , L0009315 , L0009316 ,
L0009317 , L0009318 ,

L0009319 , L0009320 , L0009321 , L0009322 , L0009323 , L0009324 ,
L0009325 , L0009326 ,

L0009327 , L0009328 , L0009329 , L0009330 , L0009331 , L0009332 ,
L0009333 , L0009334 ,

L0009335 , L0009336 , L0009337 , L0009338 , L0009339 , L0009340 ,
L0009341 , L0009342 ,

L0009343 , L0009344 , L0009345 , L0009346 , L0009347 , L0009348 ,
L0009349 , L0009350 ,

L0009351 , L0009352 , L0009353 , L0009354 , L0009355 , L0009356 ,
L0009357 , L0009358 ,

L0009359 , L0009360 , L0009361 , L0009362 , L0009363 , L0009364 ,

```

L0009365 , L0009366 ,  
 L0009367 , L0009368 , L0009369 , L0009370 , L0009371 , L0009372 ,  
 L0009373 , L0009374 ,  
 L0009375 , L0009376 , L0009377 , L0009378 , L0009379 , L0009380 ,  
 L0009381 , L0009382 ,  
 L0009383 , L0009384 , L0009385 , L0009386 , L0009387 , L0009388 ,  
 L0009389 , L0009390 ,  
 L0009391 , L0009392 , L0009393 , L0009394 , L0009395 , L0009396 ,  
 L0009397 , L0009398 ,  
 L0009399 , L0009400 , L0009401 , L0009402 , L0009403 , L0009404 ,  
 L0009405 , L0009406 ,  
 L0009407 , L0009408 , L0009409 , L0009410 , L0009411 , L0009412 ,  
 L0009413 , L0009414 ,  
 L0009415 , L0009416 , L0009417 , L0009418 , L0009419 , L0009420 ,  
 L0009421 , L0009422 ,  
 L0009423 , L0009424 , L0009425 , L0009426 , L0009427 , L0009428 ,  
 L0009429 , L0009430 ,  
 L0009431 , L0009432 , L0009433 , L0009434 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

14:46:30

PAGE 72

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

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

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0007214	2189641. L0007212	L0007207 , L0007213	, L0007208	, L0007209	, L0007210	, L0007211	,
	L0007215	, L0007216	, L0007217	, L0007218	, L0007219	, L0007220	,
	L0007221	, L0007222	,				
	L0007223	, L0007224	, L0007225	, L0007226	, L0007227	, L0007228	,
	L0007229	, L0007230	,				
	L0007231	, L0007232	, L0007233	, L0007234	, L0007235	, L0007236	,
	L0007237	, L0007238	,				
	L0007239	, L0007240	, L0007241	, L0007242	, L0007243	, L0007244	,
	L0007245	, L0007246	,				
	L0007247	, L0007248	, L0007249	, L0007250	, L0007251	, L0007252	,
	L0007253	, L0007254	,				
	L0007255	, L0007256	, L0007257	, L0007258	, L0007259	, L0007260	,
	L0007261	, L0007262	,				
	L0007263	, L0007264	, L0007265	, L0007266	, L0007267	, L0007268	,
	L0007269	, L0007270	,				

```

L0007271 , L0007272 , L0007273 , L0007274 , L0007275 , L0007276 ,
L0007277 , L0007278 ,

L0007279 , L0007280 , L0007281 , L0007282 , L0007283 , L0007284 ,
L0007285 , L0007286 ,

L0007287 , L0007288 , L0007289 , L0007290 , L0007291 , L0007292 ,
L0007293 , L0007294 ,

L0007295 , L0007296 , L0007297 , L0007298 , L0007299 , L0007300 ,
L0007301 , L0007302 ,

L0007303 , L0007304 , L0007305 , L0007306 , L0007307 , L0007308 ,
L0007309 , L0007310 ,

L0007311 , L0007312 , L0007313 , L0007314 , L0007315 , L0007316 ,
L0007317 , L0007318 ,

L0007319 , L0007320 , L0007321 , L0007322 , L0007323 , L0007324 ,
L0007325 , L0007326 ,

L0007327 , L0007328 , L0007329 , L0007330 , L0007331 , L0007332 ,
L0007333 , L0007334 ,

L0007335 , L0007336 , L0007337 , L0007338 , L0007339 , L0007340 ,
L0007341 , L0007342 ,

L0007343 , L0007344 , L0007345 , L0007346 , L0007347 , L0007348 ,
L0007349 , L0007350 ,

L0007351 , L0007352 , L0007353 , L0007354 , L0007355 , L0007356 ,
L0007357 , L0007358 ,

L0007359 , L0007360 , L0007361 , L0007362 , L0007363 , L0007364 ,
L0007365 , L0007366 ,

```

```

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/07/22

```

```

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

```

```

*** 14:46:30

```

```

PAGE 73

```

```

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

```

```

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

```

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0007367	, L0007368	, L0007369 , L0007370 , L0007371 , L0007372 ,
L0007373	, L0007374	,
L0007375	, L0007376	, L0007377 , L0007378 , L0007379 , L0007380 ,
L0007381	, L0007382	,
L0007383	, L0007384	, L0007385 , L0007386 , L0007387 , L0007388 ,
L0007389	, L0007390	,
L0007391	, L0007392	, L0007393 , L0007394 , L0007395 , L0007396 ,
L0007397	, L0007398	,
L0007399	, L0007400	, L0007401 , L0007402 , L0007403 , L0007404 ,
L0007405	, L0007406	,

L0007407 , L0007408 , L0007409 , L0007410 , L0007411 , L0007412 ,  
 L0007413 , L0007414 ,  
  
 L0007415 , L0007416 , L0007417 , L0007418 , L0007419 , L0007420 ,  
 L0007421 , L0007422 ,  
  
 L0007423 , L0007424 , L0007425 , L0007426 , L0007427 , L0007428 ,  
 L0007429 , L0007430 ,  
  
 L0007431 , L0007432 , L0007433 , L0007434 , L0007435 , L0007436 ,  
 L0007437 , L0007438 ,  
  
 L0007439 , L0007440 , L0007441 , L0007442 , L0007443 , L0007444 ,  
 L0007445 , L0007446 ,  
  
 L0007447 , L0007448 , L0007449 , L0007450 , L0007451 , L0007452 ,  
 L0007453 , L0007454 ,  
  
 L0007455 , L0007456 , L0007457 , L0007458 , L0007459 , L0007460 ,  
 L0007461 , L0007462 ,  
  
 L0007463 , L0007464 , L0007465 , L0007466 , L0007467 , L0007468 ,  
 L0007469 , L0007470 ,  
  
 L0007471 , L0007472 , L0007473 , L0007474 , L0007475 , L0007476 ,  
 L0007477 , L0007478 ,  
  
 L0007479 , L0007480 , L0007481 , L0007482 , L0007483 , L0007484 ,  
 L0007485 , L0007486 ,  
  
 L0007487 , L0007488 , L0007489 , L0007490 , L0007491 , L0007492 ,  
 L0007493 , L0007494 ,  
  
 L0007495 , L0007496 , L0007497 , L0007498 , L0007499 , L0007500 ,  
 L0007501 , L0007502 ,  
  
 L0007503 , L0007504 , L0007505 , L0007506 , L0007507 , L0007508 ,  
 L0007509 , L0007510 ,  
  
 L0007511 , L0007512 , L0007513 , L0007514 , L0007515 , L0007516 ,  
 L0007517 , L0007518 ,  
  
 L0007519 , L0007520 , L0007521 , L0007522 , L0007523 , L0007524 ,  
 L0007525 , L0007526 ,

**FF** \*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 74

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

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

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0007527	L0007528	L0007529	L0007530	L0007531	L0007532		
L0007533	L0007534						
L0007535	L0007536	L0007537	L0007538	L0007539	L0007540		
L0007541	L0007542						
L0007543	L0007544	L0007545	L0007546	L0007547	L0007548		



L0007549 , L0007550 ,  
 L0007551 , L0007552 , L0007553 , 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 , L0007587 , L0007588 ,  
 L0007589 , L0007590 ,  
 L0007591 , L0007592 , L0007593 , L0007594 , L0007595 , L0007596 ,  
 L0007597 , L0007598 ,  
 L0007599 , L0007600 , L0007601 , L0007602 , L0007603 , L0007604 ,  
 L0007605 , L0007606 ,  
 L0007607 , L0007608 , L0007609 , L0007610 , L0007611 , L0007612 ,  
 L0007613 , L0007614 ,  
 L0007615 , L0007616 , L0007617 , L0007618 , L0007619 , L0007620 ,  
 L0007621 , L0007622 ,  
 L0007623 , L0007624 , L0007625 , L0007626 , L0007627 , L0007628 ,  
 L0007629 , L0007630 ,  
 L0007631 , L0007632 , L0007633 , L0007634 , L0007635 , L0007636 ,  
 L0007637 , L0007638 ,  
 L0007639 , L0007640 , L0007641 , L0007642 , L0007643 , L0007644 ,  
 L0007645 , L0007646 ,  
 L0007647 , L0007648 , L0007649 , L0007650 , L0007651 , L0007652 ,  
 L0007653 , L0007654 ,  
 L0007655 , L0007656 , L0007657 , L0007658 , L0007659 , L0007660 ,  
 L0007661 , L0007662 ,  
 L0007663 , L0007664 , L0007665 , L0007666 , L0007667 , L0007668 ,  
 L0007669 , L0007670 ,  
 L0007671 , L0007672 , L0007673 , L0007674 , L0007675 , L0007676 ,  
 L0007677 , L0007678 ,  
 L0007679 , L0007680 , L0007681 , L0007682 , L0007683 , L0007684 ,  
 L0007685 , L0007686 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 75

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

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

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

L0007687 , L0007688 , L0007689 , L0007690 , L0007691 , L0007692 ,  
 L0007693 , L0007694 ,  
  
 L0007695 , L0007696 , L0007697 , L0007698 , L0007699 , L0007700 ,  
 L0007701 , L0007702 ,  
  
 L0007703 , L0007704 , L0007705 , L0007706 , L0007707 , L0007708 ,  
 L0007709 , L0007710 ,  
  
 L0007711 , L0007712 , L0007713 , L0007714 , L0007715 , L0007716 ,  
 L0007717 , L0007718 ,  
  
 L0007719 , L0007720 , L0007721 , L0007722 , L0007723 , L0007724 ,  
 L0007725 , L0007726 ,  
  
 L0007727 , L0007728 , L0007729 , L0007730 , L0007731 , L0007732 ,  
 L0007733 , L0007734 ,  
  
 L0007735 , L0007736 , L0007737 , L0007738 , L0007739 , L0007740 ,  
 L0007741 , L0007742 ,  
  
 L0007743 , L0007744 , L0007745 , L0007746 , L0007747 , L0007748 ,  
 L0007749 , L0007750 ,  
  
 L0007751 , L0007752 , L0007753 , L0007754 , L0007755 , L0007756 ,  
 L0007757 , L0007758 ,  
  
 L0007759 , L0007760 , L0007761 , L0007762 , L0007763 , L0007764 ,  
 L0007765 , L0007766 ,  
  
 L0007767 , L0007768 , L0007769 , L0007770 , L0007771 , L0007772 ,  
 L0007773 , L0007774 ,  
  
 L0007775 , L0007776 , L0007777 , L0007778 , L0007779 , L0007780 ,  
 L0007781 , L0007782 ,  
  
 L0007783 , L0007784 , L0007785 , L0007786 , L0007787 , L0007788 ,  
 L0007789 , L0007790 ,  
  
 L0007791 , L0007792 , L0007793 , L0007794 , L0007795 , L0007796 ,  
 L0007797 , L0007798 ,  
  
 L0007799 , L0007800 , L0007801 , L0007802 , L0007803 , L0007804 ,  
 L0007805 , L0007806 ,  
  
 L0007807 , L0007808 , L0007809 , L0007810 , L0007811 , L0007812 ,  
 L0007813 , L0007814 ,  
  
 L0007815 , L0007816 , L0007817 , L0007818 , L0007819 , L0007820 ,  
 L0007821 , L0007822 ,  
  
 L0007823 , L0007824 , L0007825 , L0007826 , L0007827 , L0007828 ,  
 L0007829 , L0007830 ,  
  
 L0007831 , L0007832 , L0007833 , L0007834 , L0007835 , L0007836 ,  
 L0007837 , L0007838 ,  
  
 L0007839 , L0007840 , L0007841 , L0007842 , L0007843 , L0007844 ,  
 L0007845 , L0007846 ,

**FF** \*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

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

URBAN ID -----	URBAN POP -----	SOURCE IDs -----					
L0007847 L0007853	, ,	L0007848 L0007854	, ,	L0007849 ,	L0007850 ,	L0007851 ,	L0007852 ,
L0007855 L0007861	, ,	L0007856 L0007862	, ,	L0007857 ,	L0007858 ,	L0007859 ,	L0007860 ,
L0007863 L0007869	, ,	L0007864 L0007870	, ,	L0007865 ,	L0007866 ,	L0007867 ,	L0007868 ,
L0007871 L0007877	, ,	L0007872 L0007878	, ,	L0007873 ,	L0007874 ,	L0007875 ,	L0007876 ,
L0007879 L0007885	, ,	L0007880 L0007886	, ,	L0007881 ,	L0007882 ,	L0007883 ,	L0007884 ,
L0007887 L0007893	, ,	L0007888 L0007894	, ,	L0007889 ,	L0007890 ,	L0007891 ,	L0007892 ,
L0007895 L0007901	, ,	L0007896 L0007902	, ,	L0007897 ,	L0007898 ,	L0007899 ,	L0007900 ,
L0007903 L0007909	, ,	L0007904 L0007910	, ,	L0007905 ,	L0007906 ,	L0007907 ,	L0007908 ,
L0007911 L0007917	, ,	L0007912 L0007918	, ,	L0007913 ,	L0007914 ,	L0007915 ,	L0007916 ,
L0007919 L0007925	, ,	L0007920 L0007926	, ,	L0007921 ,	L0007922 ,	L0007923 ,	L0007924 ,
L0007927 L0007933	, ,	L0007928 L0007934	, ,	L0007929 ,	L0007930 ,	L0007931 ,	L0007932 ,
L0007935 L0007941	, ,	L0007936 L0007942	, ,	L0007937 ,	L0007938 ,	L0007939 ,	L0007940 ,
L0007943 L0007949	, ,	L0007944 L0007950	, ,	L0007945 ,	L0007946 ,	L0007947 ,	L0007948 ,
L0007951 L0007957	, ,	L0007952 L0007958	, ,	L0007953 ,	L0007954 ,	L0007955 ,	L0007956 ,
L0007959 L0007965	, ,	L0007960 L0007966	, ,	L0007961 ,	L0007962 ,	L0007963 ,	L0007964 ,
L0007967 L0007973	, ,	L0007968 L0007974	, ,	L0007969 ,	L0007970 ,	L0007971 ,	L0007972 ,
L0007975 L0007981	, ,	L0007976 L0007982	, ,	L0007977 ,	L0007978 ,	L0007979 ,	L0007980 ,
L0007983 L0007989	, ,	L0007984 L0007990	, ,	L0007985 ,	L0007986 ,	L0007987 ,	L0007988 ,
L0007991 L0007997	, ,	L0007992 L0007998	, ,	L0007993 ,	L0007994 ,	L0007995 ,	L0007996 ,

L0007999 , L0008000 , L0008001 , L0008002 , L0008003 , L0008004 ,  
L0008005 , L0008006 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

14:46:30

PAGE 77

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

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

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	
L0008007	, L0008008	, L0008009	, L0008010	, L0008011	, L0008012	,	
L0008013	, L0008014	,					
L0008015	, L0008016	, L0008017	, L0008018	, L0008019	, L0008020	,	
L0008021	, L0008022	,					
L0008023	, L0008024	, L0008025	, L0008026	, L0008027	, L0008028	,	
L0008029	, L0008030	,					
L0008031	, L0008032	, L0008033	, L0008034	, L0008035	, L0008036	,	
L0008037	, L0008038	,					
L0008039	, L0008040	, L0008041	, L0008042	, L0008043	, L0008044	,	
L0008045	, L0008046	,					
L0008047	, L0008048	, L0008049	, L0008050	, L0008051	, L0008052	,	
L0008053	, L0008054	,					
L0008055	, L0008056	, L0008057	, L0008058	, L0008059	, L0008060	,	
L0008061	, L0008062	,					
L0008063	, L0008064	, L0008065	, L0008066	, L0008067	, L0008068	,	
L0008069	, L0008070	,					
L0008071	, L0008072	, L0008073	, L0008074	, L0008075	, L0008076	,	
L0008077	, L0008078	,					
L0008079	, L0008080	, L0008081	, L0008082	, L0008083	, L0008084	,	
L0008085	, L0008086	,					
L0008087	, L0008088	, L0008089	, L0008090	, L0008091	, L0008092	,	
L0008093	, L0008094	,					
L0008095	, L0008096	, L0008097	, L0008098	, L0008099	, L0008100	,	
L0008101	, L0008102	,					
L0008103	, L0008104	, L0008105	, L0008106	, L0008107	, L0008108	,	
L0008109	, L0008110	,					
L0008111	, L0008112	, L0008113	, L0008114	, L0008115	, L0008116	,	
L0008117	, L0008118	,					
L0008119	, L0008120	, L0008121	, L0008122	, L0008123	, L0008124	,	
L0008125	, L0008126	,					
L0008127	, L0008128	, L0008129	, L0008130	, L0008131	, L0008132	,	
L0008133	, L0008134	,					
L0008135	, L0008136	, L0008137	, L0008138	, L0008139	, L0008140	,	

L0008141 , L0008142 ,  
 L0008143 , L0008144 , L0008145 , L0008146 , L0008147 , L0008148 ,  
 L0008149 , L0008150 ,  
 L0008151 , L0008152 , L0008153 , L0008154 , L0008155 , L0008156 ,  
 L0008157 , L0008158 ,  
 L0008159 , L0008160 , L0008161 , L0008162 , L0008163 , L0008164 ,  
 L0008165 , L0008166 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

14:46:30

PAGE 78

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

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

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----					
L0008167	L0008168	L0008169	L0008170	L0008171	L0008172		
L0008173	L0008174						
L0008175	L0008176	L0008177	L0008178	L0008179	L0008180		
L0008181	L0008182						
L0008183	L0008184	L0008185	L0008186	L0008187	L0008188		
L0008189	L0008190						
L0008191	L0008192	L0008193	L0008194	L0008195	L0008196		
L0008197	L0008198						
L0008199	L0008200	L0008201	L0008202	L0008203	L0008204		
L0008205	L0008206						
L0008207	L0008208	L0008209	L0008210	L0008211	L0008212		
L0008213	L0008214						
L0008215	L0008216	L0008217	L0008218	L0008219	L0008220		
L0008221	L0008222						
L0008223	L0008224	L0008225	L0008226	L0008227	L0008228		
L0008229	L0008230						
L0008231	L0008232	L0008233	L0008234	L0008235	L0008236		
L0008237	L0008238						
L0008239	L0008240	L0008241	L0008242	L0008243	L0008244		
L0008245	L0008246						
L0008247	L0008248	L0008249	L0008250	L0008251	L0008252		
L0008253	L0008254						
L0008255	L0008256	L0008257	L0008258	L0008259	L0008260		
L0008261	L0008262						
L0008263	L0008264	L0008265	L0008266	L0008267	L0008268		
L0008269	L0008270						
L0008271	L0008272	L0008273	L0008274	L0008275	L0008276		
L0008277	L0008278						

```

L0008279 , L0008280 , L0008281 , L0008282 , L0008283 , L0008284 ,
L0008285 , L0008286 ,

L0008287 , L0008288 , L0008289 , L0008290 , L0008291 , L0008292 ,
L0008293 , L0008294 ,

L0008295 , L0008296 , L0008297 , L0008298 , L0008299 , L0008300 ,
L0008301 , L0008302 ,

L0008303 , L0008304 , L0008305 , L0008306 , L0008307 , L0008308 ,
L0008309 , L0008310 ,

L0008311 , L0008312 , L0008313 , L0008314 , L0008315 , L0008316 ,
L0008317 , L0008318 ,

L0008319 , L0008320 , L0008321 , L0008322 , L0008323 , L0008324 ,
L0008325 , L0008326 ,

```

```

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/07/22
*** AERMET - VERSION 16216 ***
*** *** 14:46:30

```

PAGE 79

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

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

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----					
L0008327	L0008328	L0008329	L0008330	L0008331	L0008332		
L0008333	L0008334						
L0008335	L0008336	L0008337	L0008338	L0008339	L0008340		
L0008341	L0008342						
L0008343	L0008344	L0008345	L0008346	L0008347	L0008348		
L0008349	L0008350						
L0008351	L0008352	L0008353	L0008354	L0008355	L0008356		
L0008357	L0008358						
L0008359	L0008360	L0008361	L0008362	L0008363	L0008364		
L0008365	L0008366						
L0008367	L0008368	L0008369	L0008370	L0008371	L0008372		
L0008373	L0008374						
L0008375	L0008376	L0008377	L0008378	L0008379	L0008380		
L0008381	L0008382						
L0008383	L0008384	L0008385	L0008386	L0008387	L0008388		
L0008389	L0008390						
L0008391	L0008392	L0008393	L0008394	L0008395	L0008396		
L0008397	L0008398						
L0008399	L0008400	L0008401	L0008402	L0008403	L0008404		
L0008405	L0008406						
L0008407	L0008408	L0008409	L0008410	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 ,

```

```

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/07/22
*** AERMET - VERSION 16216 ***
*** *** 14:46:30

```

PAGE 80

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

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

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0008487 L0008493	, L0008488 , L0008494	, L0008489 , L0008490 , L0008491 , L0008492 ,
L0008495 L0008501	, L0008496 , L0008502	, L0008497 , L0008498 , L0008499 , L0008500 ,
L0008503 L0008509	, L0008504 , L0008510	, L0008505 , L0008506 , L0008507 , L0008508 ,
L0008511 L0008517	, L0008512 , L0008518	, L0008513 , L0008514 , L0008515 , L0008516 ,
L0008519 L0008525	, L0008520 , L0008526	, L0008521 , L0008522 , L0008523 , L0008524 ,
L0008527 L0008533	, L0008528 , L0008534	, L0008529 , L0008530 , L0008531 , L0008532 ,
L0008535 L0008541	, L0008536 , L0008542	, L0008537 , L0008538 , L0008539 , L0008540 ,
L0008543 L0008549	, L0008544 , L0008550	, L0008545 , L0008546 , L0008547 , L0008548 ,
L0008551	, L0008552	, L0008553 , L0008554 , L0008555 , L0008556 ,

L0008557 , L0008558 ,  
 L0008559 , L0008560 , L0008561 , L0008562 , L0008563 , L0008564 ,  
 L0008565 , L0008566 ,  
 L0008567 , L0008568 , L0008569 , L0008570 , L0008571 , L0008572 ,  
 L0008573 , L0008574 ,  
 L0008575 , L0008576 , L0008577 , L0008578 , L0008579 , L0008580 ,  
 L0008581 , L0008582 ,  
 L0008583 , L0008584 , L0008585 , L0008586 , L0008587 , L0008588 ,  
 L0008589 , L0008590 ,  
 L0008591 , L0008592 , L0008593 , L0008594 , L0008595 , L0008596 ,  
 L0008597 , L0008598 ,  
 L0008599 , L0008600 , L0008601 , L0008602 , L0008603 , L0008604 ,  
 L0008605 , L0008606 ,  
 L0008607 , L0008608 , L0008609 , L0008610 , L0008611 , L0008612 ,  
 L0008613 , L0008614 ,  
 L0008615 , L0008616 , L0008617 , L0008618 , L0008619 , L0008620 ,  
 L0008621 , L0008622 ,  
 L0008623 , L0008624 , L0008625 , L0008626 , L0008627 , L0008628 ,  
 L0008629 , L0008630 ,  
 L0008631 , L0008632 , L0008633 , L0008634 , L0008635 , L0008636 ,  
 L0008637 , L0008638 ,  
 L0008639 , L0008640 , L0008641 , L0008642 , L0008643 , L0008644 ,  
 L0008645 , L0008646 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 81

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

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

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0008647	L0008648	L0008649 , L0008650 , L0008651 , L0008652 ,
L0008653	L0008654	,
L0008655	L0008656	L0008657 , L0008658 , L0008659 , L0008660 ,
L0008661	L0008662	,
L0008663	L0008664	L0008665 , L0008666 , L0008667 , L0008668 ,
L0008669	L0008670	,
L0008671	L0008672	L0008673 , L0008674 , L0008675 , L0008676 ,
L0008677	L0008678	,
L0008679	L0008680	L0008681 , L0008682 , L0008683 , L0008684 ,
L0008685	L0008686	,
L0008687	L0008688	L0008689 , L0008690 , L0008691 , L0008692 ,
L0008693	L0008694	,



L0008695 , L0008696 , L0008697 , L0008698 , L0008699 , L0008700 ,  
 L0008701 , L0008702 ,  
  
 L0008703 , L0008704 , L0008705 , L0008706 , L0008707 , L0008708 ,  
 L0008709 , L0008710 ,  
  
 L0008711 , L0008712 , L0008713 , L0008714 , L0008715 , L0008716 ,  
 L0008717 , L0008718 ,  
  
 L0008719 , L0008720 , L0008721 , L0008722 , L0008723 , L0008724 ,  
 L0008725 , L0008726 ,  
  
 L0008727 , L0008728 , L0008729 , L0008730 , L0008731 , L0008732 ,  
 L0008733 , L0008734 ,  
  
 L0008735 , L0008736 , L0008737 , L0008738 , L0008739 , L0008740 ,  
 L0008741 , L0008742 ,  
  
 L0008743 , L0008744 , L0008745 , L0008746 , L0008747 , L0008748 ,  
 L0008749 , L0008750 ,  
  
 L0008751 , L0008752 , L0008753 , L0008754 , L0008755 , L0008756 ,  
 L0008757 , L0008758 ,  
  
 L0008759 , L0008760 , L0008761 , L0008762 , L0008763 , L0008764 ,  
 L0008765 , L0008766 ,  
  
 L0008767 , L0008768 , L0008769 , L0008770 , L0008771 , L0008772 ,  
 L0008773 , L0008774 ,  
  
 L0008775 , L0008776 , L0008777 , L0008778 , L0008779 , L0008780 ,  
 L0008781 , L0008782 ,  
  
 L0008783 , L0008784 , L0008785 , L0008786 , L0008787 , L0008788 ,  
 L0008789 , L0008790 ,  
  
 L0008791 , L0008792 , L0008793 , L0008794 , L0008795 , L0008796 ,  
 L0008797 , L0008798 ,  
  
 L0008799 , L0008800 , L0008801 , L0008802 , L0008803 , L0008804 ,  
 L0008805 , L0008806 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 14:46:30

PAGE 82

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

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

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0008807	L0008808	L0008809 , L0008810 , L0008811 , L0008812 ,
L0008813	L0008814	,
L0008815	L0008816	L0008817 , L0008818 , L0008819 , L0008820 ,
L0008821	L0008822	,
L0008823	L0008824	L0008825 , L0008826 , L0008827 , L0008828 ,
L0008829	L0008830	,

L0008831 , L0008832 , L0008833 , L0008834 , L0008835 , L0008836 ,  
 L0008837 , L0008838 ,  
  
 L0008839 , L0008840 , L0008841 , L0008842 , L0008843 , L0008844 ,  
 L0008845 , L0008846 ,  
  
 L0008847 , L0008848 , L0008849 , L0008850 , L0008851 , L0008852 ,  
 L0008853 , L0008854 ,  
  
 L0008855 , L0008856 , L0008857 , L0008858 , L0008859 , L0008860 ,  
 L0008861 , L0008862 ,  
  
 L0008863 , L0008864 , L0008865 , L0008866 , L0008867 , L0008868 ,  
 L0008869 , L0008870 ,  
  
 L0008871 , L0008872 , L0008873 , L0008874 , L0008875 , L0008876 ,  
 L0008877 , L0008878 ,  
  
 L0008879 , L0008880 , L0008881 , L0008882 , L0008883 , L0008884 ,  
 L0008885 , L0008886 ,  
  
 L0008887 , L0008888 , L0008889 , L0008890 , L0008891 , L0008892 ,  
 L0008893 , L0008894 ,  
  
 L0008895 , L0008896 , L0008897 , L0008898 , L0008899 , L0008900 ,  
 L0008901 , L0008902 ,  
  
 L0008903 , L0008904 , L0008905 , L0008906 , L0008907 , L0008908 ,  
 L0008909 , L0008910 ,  
  
 L0008911 , L0008912 , L0008913 , L0008914 , L0008915 , L0008916 ,  
 L0008917 , L0008918 ,  
  
 L0008919 , L0008920 , L0008921 , L0008922 , L0008923 , L0008924 ,  
 L0008925 , L0008926 ,  
  
 L0008927 , L0008928 , L0008929 , L0008930 , L0008931 , L0008932 ,  
 L0008933 , L0008934 ,  
  
 L0008935 , L0008936 , L0008937 , L0008938 , L0008939 , L0008940 ,  
 L0008941 , L0008942 ,  
  
 L0008943 , L0008944 , L0008945 , L0008946 , L0008947 , L0008948 ,  
 L0008949 , L0008950 ,  
  
 L0008951 , L0008952 , L0008953 , L0008954 , L0008955 , L0008956 ,  
 L0008957 , L0008958 ,  
  
 L0008959 , L0008960 , L0008961 , L0008962 , L0008963 , L0008964 ,  
 L0008965 , L0008966 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 83

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

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

URBAN ID	URBAN POP	SOURCE IDs
-----	-----	-----
L0008967	L0008968	L0008969 , L0008970 , L0008971 , L0008972 ,

L0008973 , L0008974 ,  
 L0008975 , L0008976 , L0008977 , L0008978 , L0008979 , L0008980 ,  
 L0008981 , L0008982 ,  
 L0008983 , L0008984 , L0008985 , L0008986 , L0008987 , L0008988 ,  
 L0008989 , L0008990 ,  
 L0008991 , L0008992 , L0008993 , L0008994 , L0008995 , L0008996 ,  
 L0008997 , L0008998 ,  
 L0008999 , L0009000 , L0009001 , L0009002 , L0009003 , L0009004 ,  
 L0009005 , L0009006 ,  
 L0009007 , L0009008 , L0009009 , L0009010 , L0009011 , L0009012 ,  
 L0009013 , L0009014 ,  
 L0009015 , L0009016 , L0009017 , L0009018 , L0009019 , L0009020 ,  
 L0009021 , L0009022 ,  
 L0009023 , L0009024 , L0009025 , L0009026 , L0009027 , L0009028 ,  
 L0009029 , L0009030 ,  
 L0009031 , L0009032 , L0009033 , L0009034 , L0009035 , L0009036 ,  
 L0009037 , L0009038 ,  
 L0009039 , L0009040 , L0009041 , L0009042 , L0009043 , L0009044 ,  
 L0009045 , L0009046 ,  
 L0009047 , L0009048 , L0009049 , L0009050 , L0009051 , L0009052 ,  
 L0009053 , L0009054 ,  
 L0009055 , L0009056 , L0009057 , L0009058 , L0009059 , L0009060 ,  
 L0009061 , L0009062 ,  
 L0009063 , L0009064 , L0009065 , L0009066 , L0009067 , L0009068 ,  
 L0009069 , L0009070 ,  
 L0009071 , L0009072 , L0009073 , L0009074 , L0009075 , L0009076 ,  
 L0009077 , L0009078 ,  
 L0009079 , L0009080 , L0009081 , L0009082 , L0009083 , L0009084 ,  
 L0009085 , L0009086 ,  
 L0009087 , L0009088 , L0009089 , L0009090 , L0009091 , L0009092 ,  
 L0009093 , L0009094 ,  
 L0009095 , L0009096 , L0009097 , L0009098 , L0009099 , L0009100 ,  
 L0009101 , L0009102 ,  
 L0009103 , L0009104 , L0009105 , L0009106 , L0009107 , L0009108 ,  
 L0009109 , L0009110 ,  
 L0009111 , L0009112 , L0009113 , L0009114 , L0009115 , L0009116 ,  
 L0009117 , L0009118 ,  
 L0009119 , L0009120 , L0009121 , L0009122 , L0009123 , L0009124 ,  
 L0009125 , L0009126 ,

 \*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West

Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

14:46:30

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

URBAN ID -----	URBAN POP -----	SOURCE IDs -----					
L0009127 L0009133	, ,	L0009128 L0009134	, ,	L0009129 ,	L0009130 ,	L0009131 ,	L0009132 ,
L0009135 L0009141	, ,	L0009136 L0009142	, ,	L0009137 ,	L0009138 ,	L0009139 ,	L0009140 ,
L0009143 L0009149	, ,	L0009144 L0009150	, ,	L0009145 ,	L0009146 ,	L0009147 ,	L0009148 ,
L0009151 L0009157	, ,	L0009152 L0009158	, ,	L0009153 ,	L0009154 ,	L0009155 ,	L0009156 ,
L0009159 L0009165	, ,	L0009160 L0009166	, ,	L0009161 ,	L0009162 ,	L0009163 ,	L0009164 ,
L0009167 L0009173	, ,	L0009168 L0009174	, ,	L0009169 ,	L0009170 ,	L0009171 ,	L0009172 ,
L0009175 L0009181	, ,	L0009176 L0009182	, ,	L0009177 ,	L0009178 ,	L0009179 ,	L0009180 ,
L0009183 L0009189	, ,	L0009184 L0009190	, ,	L0009185 ,	L0009186 ,	L0009187 ,	L0009188 ,
L0009191 L0009197	, ,	L0009192 L0009198	, ,	L0009193 ,	L0009194 ,	L0009195 ,	L0009196 ,
L0009199 L0009205	, ,	L0009200 L0009206	, ,	L0009201 ,	L0009202 ,	L0009203 ,	L0009204 ,
L0009207 L0009213	, ,	L0009208 L0009214	, ,	L0009209 ,	L0009210 ,	L0009211 ,	L0009212 ,
L0009215 L0009221	, ,	L0009216 L0009222	, ,	L0009217 ,	L0009218 ,	L0009219 ,	L0009220 ,
L0009223 L0009229	, ,	L0009224 L0009230	, ,	L0009225 ,	L0009226 ,	L0009227 ,	L0009228 ,
L0009231 L0009237	, ,	L0009232 L0009238	, ,	L0009233 ,	L0009234 ,	L0009235 ,	L0009236 ,
L0009239 L0009245	, ,	L0009240 L0009246	, ,	L0009241 ,	L0009242 ,	L0009243 ,	L0009244 ,
L0009247 L0009253	, ,	L0009248 L0009254	, ,	L0009249 ,	L0009250 ,	L0009251 ,	L0009252 ,
L0009255 L0009261	, ,	L0009256 L0009262	, ,	L0009257 ,	L0009258 ,	L0009259 ,	L0009260 ,
L0009263 L0009269	, ,	L0009264 L0009270	, ,	L0009265 ,	L0009266 ,	L0009267 ,	L0009268 ,
L0009271 L0009277	, ,	L0009272 L0009278	, ,	L0009273 ,	L0009274 ,	L0009275 ,	L0009276 ,
L0009279 L0009285	, ,	L0009280 L0009286	, ,	L0009281 ,	L0009282 ,	L0009283 ,	L0009284 ,

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

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

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0009287	, L0009288	, L0009289	, L0009290	, L0009291	, L0009292	,	
L0009293	, L0009294	,					
L0009295	, L0009296	, L0009297	, L0009298	, L0009299	, L0009300	,	
L0009301	, L0009302	,					
L0009303	, L0009304	, L0009305	, L0009306	, L0009307	, L0009308	,	
L0009309	, L0009310	,					
L0009311	, L0009312	, L0009313	, L0009314	, L0009315	, L0009316	,	
L0009317	, L0009318	,					
L0009319	, L0009320	, L0009321	, L0009322	, L0009323	, L0009324	,	
L0009325	, L0009326	,					
L0009327	, L0009328	, L0009329	, L0009330	, L0009331	, L0009332	,	
L0009333	, L0009334	,					
L0009335	, L0009336	, L0009337	, L0009338	, L0009339	, L0009340	,	
L0009341	, L0009342	,					
L0009343	, L0009344	, L0009345	, L0009346	, L0009347	, L0009348	,	
L0009349	, L0009350	,					
L0009351	, L0009352	, L0009353	, L0009354	, L0009355	, L0009356	,	
L0009357	, L0009358	,					
L0009359	, L0009360	, L0009361	, L0009362	, L0009363	, L0009364	,	
L0009365	, L0009366	,					
L0009367	, L0009368	, L0009369	, L0009370	, L0009371	, L0009372	,	
L0009373	, L0009374	,					
L0009375	, L0009376	, L0009377	, L0009378	, L0009379	, L0009380	,	
L0009381	, L0009382	,					
L0009383	, L0009384	, L0009385	, L0009386	, L0009387	, L0009388	,	
L0009389	, L0009390	,					
L0009391	, L0009392	, L0009393	, L0009394	, L0009395	, L0009396	,	
L0009397	, L0009398	,					
L0009399	, L0009400	, L0009401	, L0009402	, L0009403	, L0009404	,	
L0009405	, L0009406	,					
L0009407	, L0009408	, L0009409	, L0009410	, L0009411	, L0009412	,	
L0009413	, L0009414	,					
L0009415	, L0009416	, L0009417	, L0009418	, L0009419	, L0009420	,	
L0009421	, L0009422	,					

L0009423 , L0009424 , L0009425 , L0009426 , L0009427 , L0009428 ,  
L0009429 , L0009430 ,

L0009431 , L0009432 , L0009433 , L0009434 ,

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

14:46:30

PAGE 86

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

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

( 472283.7, 3752641.0, 492.6, 492.6, 0.0);	( 472482.2, 3752398.0, 499.3, 499.3, 0.0);
( 472478.0, 3752183.1, 505.1, 505.1, 0.0);	( 472148.1, 3752531.5, 495.2, 502.0, 0.0);
( 472052.1, 3752531.2, 499.4, 512.0, 0.0);	( 471975.5, 3752531.2, 500.5, 514.0, 0.0);
( 471896.1, 3752530.9, 503.4, 513.0, 0.0);	( 471840.8, 3752529.9, 503.4, 513.0, 0.0);
( 471816.6, 3752527.1, 500.6, 513.0, 0.0);	( 471736.8, 3752557.9, 501.5, 501.5, 0.0);
( 471696.6, 3752558.9, 500.0, 500.0, 0.0);	( 471627.3, 3752556.2, 501.9, 512.0, 0.0);
( 471584.6, 3752556.8, 504.5, 507.0, 0.0);	( 471560.0, 3752556.2, 504.6, 507.0, 0.0);
( 471534.3, 3752554.9, 503.2, 509.0, 0.0);	( 471514.9, 3752554.9, 502.2, 519.0, 0.0);
( 471486.8, 3752555.7, 503.1, 503.1, 0.0);	( 471465.7, 3752555.4, 503.1, 503.1, 0.0);
( 471442.2, 3752555.0, 501.3, 505.0, 0.0);	( 471419.7, 3752552.5, 500.3, 505.0, 0.0);
( 471394.2, 3752552.9, 501.4, 501.4, 0.0);	( 471363.4, 3752552.5, 503.5, 503.5, 0.0);
( 471332.7, 3752553.3, 505.8, 505.8, 0.0);	( 471307.6, 3752552.9, 506.9, 506.9, 0.0);
( 471284.0, 3752552.7, 506.2, 506.2, 0.0);	( 471262.0, 3752552.7, 505.7, 505.7, 0.0);
( 471241.9, 3752552.7, 505.6, 505.6, 0.0);	( 471223.1, 3752552.9, 505.9, 505.9, 0.0);
( 471205.9, 3752552.9, 506.2, 506.2, 0.0);	( 471173.2, 3752552.4, 506.5, 506.5, 0.0);
( 471135.7, 3752552.5, 506.1, 506.1, 0.0);	( 471093.2, 3752551.5, 505.4, 505.4, 0.0);
( 471059.4, 3752551.7, 504.7, 504.7, 0.0);	( 471020.5, 3752551.2, 503.1, 503.1, 0.0);
( 470981.0, 3752563.6, 502.1, 502.1, 0.0);	( 470980.4, 3752552.2, 502.5, 502.5, 0.0);
( 470980.1, 3752535.6, 503.0, 503.0, 0.0);	( 470979.9, 3752517.2, 503.7, 503.7, 0.0);
( 470980.1, 3752499.8, 504.0, 504.0, 0.0);	( 470980.2, 3752479.8, 504.0, 504.0, 0.0);
( 470980.4, 3752459.4, 504.6, 504.6, 0.0);	( 470980.2, 3752433.2, 505.4, 505.4, 0.0);
( 470980.1, 3752404.0, 506.0, 506.0, 0.0);	( 470927.1, 3752402.7, 504.9, 504.9, 0.0);
( 470907.9, 3752402.7, 503.1, 503.1, 0.0);	( 470887.3, 3752402.7, 500.9, 505.0, 0.0);
( 470869.7, 3752402.0, 500.7, 500.7, 0.0);	( 470849.6, 3752401.9, 500.3, 500.3, 0.0);
( 470829.4, 3752402.2, 500.0, 500.0, 0.0);	( 470811.6, 3752402.2, 499.7, 499.7, 0.0);

```

( 470791.5, 3752402.5, 499.2, 499.2, 0.0); ( 470773.6, 3752401.9,
498.6, 498.6, 0.0);
( 470749.2, 3752402.2, 497.8, 497.8, 0.0); ( 470727.7, 3752391.7,
497.8, 497.8, 0.0);
( 470733.0, 3752339.0, 499.9, 499.9, 0.0); ( 470733.7, 3752320.5,
500.2, 500.2, 0.0);
( 470734.2, 3752291.0, 500.8, 500.8, 0.0); ( 470733.2, 3752265.8,
500.8, 500.8, 0.0);
( 470732.9, 3752218.8, 501.2, 501.2, 0.0); ( 470732.5, 3752182.1,
501.8, 501.8, 0.0);
( 470732.4, 3752145.3, 503.0, 503.0, 0.0); ( 470692.4, 3752144.8,
502.5, 502.5, 0.0);
( 470670.1, 3752144.5, 502.1, 502.1, 0.0); ( 470651.7, 3752144.3,
502.0, 502.0, 0.0);
( 470633.5, 3752144.1, 501.5, 501.5, 0.0); ( 470615.5, 3752144.0,
500.9, 500.9, 0.0);
( 470596.0, 3752143.3, 500.2, 500.2, 0.0); ( 470577.0, 3752143.5,
500.0, 500.0, 0.0);
( 470553.6, 3752143.5, 499.7, 499.7, 0.0); ( 470528.6, 3752142.6,
498.8, 498.8, 0.0);
( 470508.0, 3752142.8, 497.6, 497.6, 0.0); ( 470485.6, 3752142.5,
496.3, 496.3, 0.0);
( 470471.6, 3752131.6, 496.1, 496.1, 0.0); ( 470471.6, 3752109.2,
497.3, 497.3, 0.0);
( 470471.3, 3752085.2, 498.1, 498.1, 0.0); ( 470471.5, 3752037.7,
499.7, 499.7, 0.0);
( 470471.7, 3752013.0, 500.0, 500.0, 0.0); ( 470470.9, 3751987.2,
500.1, 500.1, 0.0);
( 470470.9, 3751965.7, 500.1, 500.1, 0.0); ( 470470.8, 3751944.4,
500.1, 500.1, 0.0);
( 470470.6, 3751924.3, 499.6, 499.6, 0.0); ( 470470.5, 3751905.9,
499.0, 499.0, 0.0);
( 470470.9, 3751884.1, 499.1, 499.1, 0.0); ( 470470.6, 3751864.0,
498.6, 498.6, 0.0);
( 470470.3, 3751844.0, 497.9, 497.9, 0.0); ( 470470.2, 3751824.5,
496.6, 496.6, 0.0);
( 470470.3, 3751805.8, 495.7, 499.0, 0.0); ( 470470.3, 3751788.0,
495.1, 502.0, 0.0);
( 470470.3, 3751761.2, 497.6, 497.6, 0.0); ( 470471.0, 3751741.9,
499.5, 499.5, 0.0);

```

```

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/07/22

```

```

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

```

```

*** 14:46:30

```

```

PAGE 87

```

```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

```

```

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

```

```

( 470470.0, 3751722.8, 501.4, 501.4, 0.0); ( 470470.2, 3751703.4,
503.3, 503.3, 0.0);
( 470470.2, 3751683.8, 504.9, 504.9, 0.0); ( 470470.3, 3751664.3,
506.2, 506.2, 0.0);
( 470470.3, 3751642.4, 507.6, 507.6, 0.0); ( 470470.5, 3751621.8,
508.5, 508.5, 0.0);
( 470470.2, 3751599.8, 509.0, 509.0, 0.0); ( 470470.6, 3751578.8,
509.1, 509.1, 0.0);
( 470469.6, 3751555.9, 507.6, 507.6, 0.0); ( 470470.0, 3751512.5,
504.8, 512.0, 0.0);
( 470468.6, 3751414.6, 501.8, 513.0, 0.0); ( 470469.8, 3751385.2,
507.1, 513.0, 0.0);
( 470468.6, 3751358.9, 509.6, 509.6, 0.0); ( 470462.9, 3751325.6,
511.9, 511.9, 0.0);

```

( 470462.0, 3751310.6, 512.6, 512.6, 0.0); ( 470462.6, 3751296.6, 512.4, 512.4, 0.0);  
( 470462.6, 3751283.3, 512.0, 512.0, 0.0); ( 470462.6, 3751269.9, 511.1, 511.1, 0.0);  
( 470462.9, 3751254.3, 509.6, 512.0, 0.0); ( 470462.0, 3751240.7, 508.9, 508.9, 0.0);  
( 470463.2, 3751227.6, 509.4, 509.4, 0.0); ( 470756.4, 3751290.6, 507.7, 525.0, 0.0);  
( 470797.7, 3751268.3, 507.7, 525.0, 0.0); ( 470891.2, 3751226.4, 512.0, 512.0, 0.0);  
( 470940.8, 3751191.8, 512.1, 512.1, 0.0); ( 471000.6, 3750923.6, 523.8, 523.8, 0.0);  
( 471029.3, 3750923.6, 523.7, 523.7, 0.0); ( 471056.3, 3750923.9, 524.2, 542.0, 0.0);  
( 471077.9, 3750924.4, 524.8, 543.0, 0.0); ( 471097.6, 3750924.4, 525.7, 543.0, 0.0);  
( 471118.2, 3750925.0, 528.0, 543.0, 0.0); ( 471139.0, 3750927.4, 529.8, 543.0, 0.0);  
( 471160.1, 3750928.8, 530.8, 543.0, 0.0); ( 471181.1, 3750931.5, 532.3, 543.0, 0.0);  
( 471201.7, 3750930.9, 533.3, 543.0, 0.0); ( 471222.5, 3750931.5, 533.7, 543.0, 0.0);  
( 471244.1, 3750931.2, 534.8, 543.0, 0.0); ( 471264.4, 3750931.7, 535.7, 538.0, 0.0);  
( 471284.4, 3750931.7, 536.5, 536.5, 0.0); ( 471305.8, 3750931.7, 536.5, 536.5, 0.0);  
( 471324.7, 3750930.9, 535.8, 535.8, 0.0); ( 471343.0, 3750930.1, 534.9, 534.9, 0.0);  
( 471363.9, 3750929.0, 534.7, 534.7, 0.0); ( 471382.0, 3750928.8, 534.8, 534.8, 0.0);  
( 471400.9, 3750928.2, 535.0, 535.0, 0.0); ( 471421.1, 3750928.0, 535.4, 535.4, 0.0);  
( 471440.6, 3750928.1, 535.6, 535.6, 0.0); ( 471461.8, 3750927.4, 535.7, 535.7, 0.0);  
( 471479.8, 3750927.9, 535.9, 535.9, 0.0); ( 471499.7, 3750927.6, 536.2, 536.2, 0.0);  
( 471519.3, 3750928.8, 536.6, 549.0, 0.0); ( 471537.0, 3750929.6, 538.0, 549.0, 0.0);  
( 471556.8, 3750930.9, 539.6, 549.0, 0.0); ( 471580.7, 3750934.1, 541.7, 549.0, 0.0);  
( 471624.0, 3750940.2, 545.0, 549.0, 0.0); ( 471795.9, 3750950.1, 548.4, 548.4, 0.0);  
( 471796.3, 3750967.9, 547.3, 547.3, 0.0); ( 471796.7, 3750987.2, 545.3, 547.0, 0.0);  
( 471797.5, 3751006.8, 542.7, 549.0, 0.0); ( 471796.7, 3751025.3, 542.0, 547.0, 0.0);  
( 471795.9, 3751046.4, 541.1, 541.1, 0.0); ( 471796.7, 3751073.0, 540.1, 540.1, 0.0);  
( 471797.5, 3751143.8, 537.7, 537.7, 0.0); ( 471833.0, 3751143.8, 537.0, 537.0, 0.0);  
( 471867.4, 3751144.0, 534.9, 534.9, 0.0); ( 471891.0, 3751144.4, 532.9, 532.9, 0.0);  
( 471916.6, 3751144.2, 530.9, 530.9, 0.0); ( 471939.5, 3751144.2, 529.4, 529.4, 0.0);  
( 471963.1, 3751144.4, 525.8, 535.0, 0.0); ( 471984.2, 3751144.0, 524.4, 533.0, 0.0);  
( 471999.0, 3751163.4, 525.3, 536.0, 0.0); ( 472000.2, 3751199.1, 530.8, 530.8, 0.0);  
( 471999.8, 3751230.6, 532.9, 532.9, 0.0); ( 472000.4, 3751251.5, 534.3, 534.3, 0.0);  
( 472000.2, 3751281.1, 536.2, 536.2, 0.0); ( 472002.0, 3751347.9, 537.0, 537.0, 0.0);  
( 472036.9, 3751348.5, 536.6, 536.6, 0.0); ( 472063.1, 3751349.3, 536.5, 536.5, 0.0);  
( 472084.6, 3751348.3, 535.8, 535.8, 0.0); ( 472104.9, 3751348.7, 534.6, 534.6, 0.0);



```

( 472127.3, 3751348.5, 533.0, 533.0, 0.0); ( 472150.8, 3751349.7,
531.4, 531.4, 0.0);
( 472171.5, 3751349.5, 530.3, 530.3, 0.0); ( 472194.1, 3751349.1,
528.2, 531.0, 0.0);
( 472222.6, 3751348.7, 525.4, 536.0, 0.0); ( 472247.8, 3751349.5,
523.2, 536.0, 0.0);
( 472269.7, 3751349.1, 520.9, 536.0, 0.0); ( 472290.4, 3751350.3,
520.7, 535.0, 0.0);
( 472313.6, 3751350.5, 520.9, 532.0, 0.0); ( 472333.8, 3751351.3,
520.6, 532.0, 0.0);

```

```

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/07/22

```

```

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

```

```

*** 14:46:30

```

PAGE 88

```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

```

```

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

```

```

( 472354.8, 3751351.3, 518.5, 532.0, 0.0); ( 472377.7, 3751351.1,
516.0, 532.0, 0.0);
( 472401.7, 3751351.1, 513.6, 533.0, 0.0); ( 472425.5, 3751351.8,
511.8, 532.0, 0.0);
( 472445.7, 3751350.7, 511.1, 532.0, 0.0); ( 472463.2, 3751350.9,
509.4, 532.0, 0.0);
( 472484.1, 3751350.9, 507.3, 532.0, 0.0); ( 472503.9, 3751351.3,
506.3, 532.0, 0.0);
( 472523.8, 3751351.3, 506.2, 531.0, 0.0); ( 472543.3, 3751351.3,
506.4, 506.4, 0.0);
( 472563.2, 3751352.2, 506.1, 506.1, 0.0); ( 472582.6, 3751352.0,
505.8, 505.8, 0.0);
( 472601.3, 3751352.0, 505.3, 505.3, 0.0); ( 472606.8, 3751367.3,
504.3, 504.3, 0.0);
( 472607.6, 3751396.4, 504.2, 504.2, 0.0); ( 472608.5, 3751432.1,
505.0, 505.0, 0.0);
( 472608.9, 3751462.6, 504.4, 504.4, 0.0); ( 472609.5, 3751497.1,
505.0, 505.0, 0.0);
( 472610.7, 3751553.8, 505.4, 505.4, 0.0); ( 472666.0, 3751554.0,
501.3, 501.3, 0.0);
( 472690.4, 3751553.6, 499.8, 499.8, 0.0); ( 472713.5, 3751554.3,
499.2, 499.2, 0.0);
( 472734.6, 3751554.0, 497.9, 497.9, 0.0); ( 472759.5, 3751554.0,
496.2, 496.2, 0.0);
( 472781.8, 3751554.5, 494.9, 499.0, 0.0); ( 472849.8, 3751556.1,
495.4, 495.4, 0.0);
( 472871.8, 3751556.1, 494.9, 494.9, 0.0); ( 472895.2, 3751555.6,
494.2, 494.2, 0.0);
( 472922.6, 3751555.9, 493.8, 493.8, 0.0); ( 473092.4, 3751802.3,
486.1, 486.1, 0.0);
( 473204.8, 3751856.8, 481.6, 481.6, 0.0); ( 472991.2, 3752083.3,
484.1, 484.1, 0.0);
( 473295.1, 3752052.5, 478.7, 478.7, 0.0); ( 473356.8, 3752050.3,
476.8, 476.8, 0.0);
( 473495.1, 3751996.6, 476.0, 476.0, 0.0); ( 473486.5, 3751917.7,
475.8, 475.8, 0.0);
( 473392.6, 3752058.2, 475.9, 475.9, 0.0); ( 473464.3, 3752082.6,
475.2, 475.2, 0.0);
( 473550.3, 3752087.6, 473.0, 473.0, 0.0); ( 473584.7, 3752089.8,
473.0, 473.0, 0.0);
( 472765.6, 3752474.1, 477.2, 495.0, 0.0); ( 470432.2, 3750483.9,
532.6, 532.6, 0.0);
( 469244.1, 3754182.8, 471.3, 485.0, 0.0); ( 469596.8, 3750785.6,
493.4, 493.4, 0.0);

```



FREE

Surface station no.: 3171  
Name: UNKNOWN  
UNKNOWN  
Year: 2012

Upper air station no.: 3190  
Name:  
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	-25.6	0.266	-9.000	-9.000	-999.	330.	77.9	0.15	2.40	1.00	2.93		
55.		10.1	288.1		2.0												
12	01	01	1	02	-26.8	0.277	-9.000	-9.000	-999.	351.	84.7	0.15	2.40	1.00	3.05		
55.		10.1	287.0		2.0												
12	01	01	1	03	-21.5	0.221	-9.000	-9.000	-999.	250.	53.5	0.15	2.40	1.00	2.45		
74.		10.1	284.2		2.0												
12	01	01	1	04	-22.0	0.227	-9.000	-9.000	-999.	260.	56.8	0.15	2.40	1.00	2.52		
77.		10.1	285.9		2.0												
12	01	01	1	05	-20.0	0.206	-9.000	-9.000	-999.	225.	46.8	0.15	2.40	1.00	2.30		
80.		10.1	285.4		2.0												
12	01	01	1	06	-14.4	0.171	-9.000	-9.000	-999.	170.	32.1	0.15	2.40	1.00	1.93		
79.		10.1	287.0		2.0												
12	01	01	1	07	-14.9	0.174	-9.000	-9.000	-999.	174.	33.2	0.15	2.40	1.00	1.96		
77.		10.1	284.2		2.0												
12	01	01	1	08	-11.9	0.169	-9.000	-9.000	-999.	167.	36.1	0.15	2.40	0.53	1.89		
77.		10.1	288.1		2.0												
12	01	01	1	09	40.4	0.234	0.359	0.006	40.	272.	-28.1	0.15	2.40	0.31	2.10		
81.		10.1	289.2		2.0												
12	01	01	1	10	112.6	0.246	0.742	0.005	129.	293.	-11.8	0.15	2.40	0.24	1.99		
101.		10.1	296.4		2.0												
12	01	01	1	11	161.0	0.402	1.188	0.005	369.	611.	-35.6	0.15	2.40	0.21	3.68		
78.		10.1	298.8		2.0												
12	01	01	1	12	184.7	0.337	1.516	0.005	668.	473.	-18.4	0.15	2.40	0.20	2.89		
68.		10.1	300.4		2.0												
12	01	01	1	13	183.9	0.310	1.809	0.005	1139.	414.	-14.2	0.15	2.40	0.20	2.57		
64.		10.1	302.5		2.0												
12	01	01	1	14	156.6	0.374	1.852	0.005	1434.	549.	-29.5	0.15	2.40	0.22	3.37		
63.		10.1	303.1		2.0												
12	01	01	1	15	104.3	0.382	1.658	0.005	1546.	567.	-47.2	0.15	2.40	0.25	3.59		
62.		10.1	302.5		2.0												
12	01	01	1	16	31.8	0.374	1.123	0.005	1573.	550.	-145.8	0.15	2.40	0.34	3.76		
69.		10.1	300.9		2.0												
12	01	01	1	17	-23.3	0.276	-9.000	-9.000	-999.	354.	84.0	0.15	2.40	0.62	3.03		
59.		10.1	297.5		2.0												
12	01	01	1	18	-21.5	0.229	-9.000	-9.000	-999.	264.	57.8	0.15	2.40	1.00	2.54		
54.		10.1	295.4		2.0												
12	01	01	1	19	-19.3	0.204	-9.000	-9.000	-999.	221.	45.6	0.15	2.40	1.00	2.27		
79.		10.1	292.0		2.0												
12	01	01	1	20	-20.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.15	2.40	1.00	2.42		
79.		10.1	292.5		2.0												
12	01	01	1	21	-19.7	0.206	-9.000	-9.000	-999.	225.	46.9	0.15	2.40	1.00	2.30		
95.		10.1	290.9		2.0												
12	01	01	1	22	-17.6	0.190	-9.000	-9.000	-999.	199.	39.8	0.15	2.40	1.00	2.13		
78.		10.1	290.4		2.0												
12	01	01	1	23	-20.3	0.211	-9.000	-9.000	-999.	233.	49.0	0.15	2.40	1.00	2.35		
52.		10.1	289.2		2.0												
12	01	01	1	24	-16.4	0.183	-9.000	-9.000	-999.	189.	37.0	0.15	2.40	1.00	2.06		
75.		10.1	288.8		2.0												

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB	TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.1	1	55.	2.93	288.2	99.0	-99.00	-99.00	

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\*

\*\*\*

14:46:30

PAGE 91

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

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

INCLUDING SOURCE(S): L0007207 , L0007208 , L0007209 , L0007210 , L0007211 , L0007212 , L0007213 , L0007214 , L0007215 , L0007216 , L0007217 , L0007218 , L0007219 , L0007220 , L0007221 , L0007222 , L0007223 , L0007224 , L0007225 , L0007226 , L0007227 , L0007228 , L0007229 , L0007230 , L0007231 , L0007232 , L0007233 , L0007234 , . . .

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

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

Table with 5 columns: X-COORD (M), Y-COORD (M), CONC, X-COORD (M), Y-COORD (M). It lists discrete Cartesian receptor points with their coordinates and corresponding concentration values.

3752517.19	0.00166		
470980.06	3752499.76	0.00172	470980.22
3752479.85	0.00178		
470980.39	3752459.44	0.00186	470980.22
3752433.22	0.00197		
470980.06	3752404.02	0.00210	470927.12
3752402.69	0.00187		
470907.87	3752402.69	0.00178	470887.30
3752402.69	0.00169		
470869.71	3752402.03	0.00164	470849.63
3752401.86	0.00158		
470829.39	3752402.19	0.00152	470811.63
3752402.19	0.00147		
470791.55	3752402.53	0.00142	470773.63
3752401.86	0.00137		
470749.24	3752402.19	0.00132	470727.72
3752391.74	0.00129		
470733.04	3752338.97	0.00139	470733.70
3752320.55	0.00142		
470734.20	3752291.01	0.00147	470733.20
3752265.78	0.00151		
470732.87	3752218.81	0.00158	470732.54
3752182.14	0.00164		
470732.37	3752145.29	0.00171	470692.38
3752144.80	0.00157		
470670.14	3752144.46	0.00150	470651.72
3752144.30	0.00145		
470633.46	3752144.13	0.00140	470615.54
3752143.97	0.00135		
470595.95	3752143.30	0.00130	470577.03
3752143.47	0.00126		
470553.63	3752143.47	0.00121	470528.57
3752142.64	0.00116		
470507.99	3752142.80	0.00112	470485.59
3752142.47	0.00108		
470471.60	3752131.63	0.00106	470471.60
3752109.21	0.00108		
470471.32	3752085.22	0.00110	470471.46
3752037.68	0.00113		
470471.74	3752013.00	0.00115	470470.89
3751987.18	0.00116		
470470.89	3751965.74	0.00117	470470.75
3751944.44	0.00118		

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
 Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 92

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

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

INCLUDING SOURCE(S): L0007207 , L0007208 ,  
 L0007209 , L0007210 , L0007211 ,  
 L0007212 , L0007213 , L0007214 , L0007215 , L0007216 ,  
 L0007217 , L0007218 , L0007219 ,  
 L0007220 , L0007221 , L0007222 , L0007223 , L0007224 ,  
 L0007225 , L0007226 , L0007227 ,  
 L0007228 , L0007229 , L0007230 , L0007231 , L0007232 ,  
 L0007233 , L0007234 , . . . ,

\*\*\* 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			
470470.61	3751924.27	0.00119	470470.47	
3751905.93	0.00119			
470470.89	3751884.06	0.00121	470470.61	
3751864.03	0.00121			
470470.33	3751844.00	0.00121	470470.19	
3751824.53	0.00121			
470470.33	3751805.77	0.00121	470470.33	
3751788.00	0.00122			
470470.33	3751761.19	0.00124	470471.03	
3751741.87	0.00125			
470470.05	3751722.82	0.00126	470470.19	
3751703.36	0.00127			
470470.19	3751683.75	0.00128	470470.33	
3751664.28	0.00129			
470470.33	3751642.41	0.00129	470470.47	
3751621.82	0.00130			
470470.19	3751599.81	0.00130	470470.61	
3751578.79	0.00129			
470469.62	3751555.94	0.00128	470470.05	
3751512.49	0.00126			
470468.64	3751414.59	0.00121	470469.76	
3751385.25	0.00122			
470468.65	3751358.95	0.00121	470462.93	
3751325.56	0.00120			
470461.98	3751310.62	0.00119	470462.61	
3751296.63	0.00118			
470462.61	3751283.28	0.00117	470462.61	
3751269.92	0.00116			
470462.93	3751254.35	0.00114	470461.98	
3751240.67	0.00113			
470463.25	3751227.64	0.00113	470756.39	
3751290.59	0.00168			
470797.72	3751268.33	0.00173	470891.19	
3751226.38	0.00187			
470940.78	3751191.82	0.00188	471000.61	
3750923.63	0.00128			
471029.26	3750923.63	0.00130	471056.29	
3750923.90	0.00131			
471077.91	3750924.44	0.00132	471097.64	
3750924.44	0.00133			
471118.18	3750924.98	0.00132	471138.99	
3750927.42	0.00132			
471160.07	3750928.77	0.00131	471181.15	
3750931.47	0.00130			
471201.69	3750930.93	0.00130	471222.50	
3750931.47	0.00130			
471244.13	3750931.20	0.00128	471264.40	
3750931.74	0.00126			
471284.40	3750931.74	0.00124	471305.75	
3750931.74	0.00125			
471324.67	3750930.93	0.00126	471343.05	
3750930.12	0.00129			
471363.86	3750929.04	0.00129	471381.96	
3750928.77	0.00129			
471400.88	3750928.23	0.00128	471421.15	
3750927.96	0.00126			
471440.59	3750928.11	0.00126	471461.83	
3750927.45	0.00125			
471479.76	3750927.95	0.00125	471499.68	
3750927.62	0.00123			
471519.26	3750928.78	0.00122	471537.02	

3750929.61	0.00118		
471556.77	3750930.94	0.00113	471580.68
3750934.09	0.00104		
471624.00	3750940.23	0.00095	471795.90
3750950.11	0.00084		
471796.29	3750967.88	0.00089	471796.69
3750987.22	0.00097		
471797.47	3751006.75	0.00108	471796.69
3751025.30	0.00115		
471795.90	3751046.40	0.00125	471796.69
3751072.96	0.00138		
471797.47	3751143.85	0.00178	471833.01
3751143.85	0.00176		
471867.38	3751144.05	0.00178	471891.02
3751144.44	0.00179		
471916.60	3751144.24	0.00178	471939.45
3751144.24	0.00177		
471963.08	3751144.44	0.00177	471984.17
3751144.05	0.00175		

```

*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***          10/07/22
*** AERMET - VERSION 16216 ***
***                                     ***          14:46:30

```

PAGE 93

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

```

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0007207 , L0007208 ,
L0007209 , L0007210 , L0007211 ,
L0007212 , L0007213 , L0007214 , L0007215 , L0007216 ,
L0007217 , L0007218 , L0007219 ,
L0007220 , L0007221 , L0007222 , L0007223 , L0007224 ,
L0007225 , L0007226 , L0007227 ,
L0007228 , L0007229 , L0007230 , L0007231 , L0007232 ,
L0007233 , L0007234 , . . .

```

\*\*\* 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			
471999.02	3751163.38	0.00179	472000.19	
3751199.12	0.00187			
471999.80	3751230.56	0.00198	472000.38	
3751251.46	0.00206			
472000.19	3751281.15	0.00218	472001.95	
3751347.94	0.00260			
472036.90	3751348.52	0.00250	472063.07	
3751349.31	0.00243			
472084.56	3751348.33	0.00237	472104.87	
3751348.72	0.00232			
472127.33	3751348.52	0.00227	472150.76	
3751349.70	0.00223			
472171.47	3751349.50	0.00220	472194.12	
3751349.11	0.00216			
472222.63	3751348.72	0.00212	472247.83	
3751349.50	0.00208			
472269.70	3751349.11	0.00204	472290.40	
3751350.28	0.00201			
472313.64	3751350.48	0.00196	472333.76	

3751351.26	0.00192		
472354.85	3751351.26	0.00190	472377.70
3751351.06	0.00187		
472401.72	3751351.06	0.00184	472425.55
3751351.84	0.00180		
472445.67	3751350.67	0.00177	472463.24
3751350.87	0.00176		
472484.14	3751350.87	0.00173	472503.87
3751351.26	0.00171		
472523.79	3751351.26	0.00168	472543.32
3751351.26	0.00165		
472563.24	3751352.24	0.00163	472582.57
3751352.04	0.00161		
472601.32	3751352.04	0.00158	472606.79
3751367.27	0.00162		
472607.57	3751396.37	0.00171	472608.55
3751432.11	0.00182		
472608.94	3751462.58	0.00192	472609.52
3751497.15	0.00205		
472610.70	3751553.78	0.00229	472665.97
3751553.98	0.00220		
472690.38	3751553.59	0.00217	472713.50
3751554.27	0.00213		
472734.64	3751554.04	0.00211	472759.46
3751554.04	0.00208		
472781.75	3751554.50	0.00206	472849.76
3751556.11	0.00195		
472871.82	3751556.11	0.00192	472895.25
3751555.65	0.00189		
472922.60	3751555.88	0.00186	473092.41
3751802.31	0.00308		
473204.80	3751856.81	0.00339	472991.21
3752083.31	0.00358		
473295.12	3752052.49	0.00827	473356.76
3752050.34	0.01016		
473495.10	3751996.58	0.00689	473486.50
3751917.74	0.00385		
473392.60	3752058.22	0.00937	473464.28
3752082.59	0.00672		
473550.29	3752087.61	0.00649	473584.69
3752089.76	0.00656		
472765.59	3752474.09	0.00130	470432.16
3750483.93	0.00059		
469244.06	3754182.82	0.00017	469596.75
3750785.65	0.00046		
470466.55	3750530.27	0.00062	469319.29
3749244.53	0.00022		
469229.64	3749502.19	0.00025	468465.38
3749582.33	0.00020		
471438.37	3750129.76	0.00040	471657.54
3749918.78	0.00035		
471732.91	3749916.52	0.00035	471710.30
3750132.80	0.00040		
471273.89	3750119.77		
0.00038			

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 94

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

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5  
YEARS \*\*\*



NETWORK

GROUP ID ZFLAG)	NETWORK OF TYPE GRID-ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL,
ALL 476.76,	1ST HIGHEST VALUE IS 0.00) DC	0.01016 AT (	473356.76, 3752050.34, 476.76,
	2ND HIGHEST VALUE IS 475.95, 0.00) DC	0.00937 AT (	473392.60, 3752058.22, 475.95,
	3RD HIGHEST VALUE IS 478.66, 0.00) DC	0.00827 AT (	473295.12, 3752052.49, 478.66,
	4TH HIGHEST VALUE IS 476.00, 0.00) DC	0.00689 AT (	473495.10, 3751996.58, 476.00,
	5TH HIGHEST VALUE IS 475.18, 0.00) DC	0.00672 AT (	473464.28, 3752082.59, 475.18,
	6TH HIGHEST VALUE IS 473.00, 0.00) DC	0.00656 AT (	473584.69, 3752089.76, 473.00,
	7TH HIGHEST VALUE IS 472.99, 0.00) DC	0.00649 AT (	473550.29, 3752087.61, 472.99,
	8TH HIGHEST VALUE IS 475.81, 0.00) DC	0.00385 AT (	473486.50, 3751917.74, 475.81,
	9TH HIGHEST VALUE IS 484.10, 0.00) DC	0.00358 AT (	472991.21, 3752083.31, 484.10,
	10TH HIGHEST VALUE IS 481.55, 0.00) DC	0.00339 AT (	473204.80, 3751856.81, 481.55,

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

\*\*\* AERMOD - VERSION 22112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\14064 West  
Campus\14064 Ops\140 \*\*\* 10/07/22

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

\*\*\* 14:46:30

PAGE 95

\*\*\* 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 1638 Informational Message(s)  
  
A Total of 43848 Hours Were Processed  
A Total of 1039 Calm Hours Identified  
A Total of 599 Missing Hours Identified ( 1.37 Percent)

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

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

ME W186 5382 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50  
ME W187 5382 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)
		0.00117			1.17E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	9.1E-07	5.9E-07	5.0E+00	1.4E-03	2.3E-04				
<b>TOTAL</b>								5.9E-07			2.3E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.59

\*\* Key to Toxicological Endpoints

RESP            Respiratory System  
CNS/PNS        Central/Peripheral Nervous System  
CV/BL          Cardiovascular/Blood System  
IMMUN         Immune System  
KIDN            Kidney  
GI/LV          Gastrointestinal System/Liver  
REPRO         Reproductive System (e.g. teratogenic and developmental effects)  
EYES            Eye irritation and/or other effects

Note:            Exposure factors used to calculate contaminant intake

exposure frequency (days/year)            260  
exposure duration (years)                    4.35  
inhalation rate (L/kg-day)                    1090  
inhalation absorption factor                    1  
averaging time (years)                        70  
fraction of time at home                       1.00  
age sensitivity factor (0 to 2 years old)      10

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)
	0.00260	2.60E-06			1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	9.0E-07	2.9E-08	5.0E+00	1.4E-03	5.2E-04					
TOTAL				2.9E-08				5.2E-04		0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	

\*\* Key to Toxicological Endpoints

RESP            Respiratory System  
 CNS/PNS       Central/Peripheral Nervous System  
 CV/BL          Cardiovascular/Blood System  
 IMMUN         Immune System  
 KIDN          Kidney  
 GI/LV          Gastrointestinal System/Liver  
 REPRO         Reproductive System (e.g. teratogenic and developmental effects)  
 EYES          Eye irritation and/or other effects

Note:            Exposure factors used to calculate contaminant intake

exposure frequency (days/year)            350  
 exposure duration (years)                    0.25  
 inhalation rate (L/kg-day)                   361  
 inhalation absorption factor                   1  
 averaging time (years)                        70  
 fraction of time at home                      0.85  
 age sensitivity factor (age third trimester)    10

Table 2  
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards  
0-2 Age Bin Exposure Scenario

Source (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)
		0.00260			2.60E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.7E-06	6.9E-07	5.0E+00	1.4E-03	5.2E-04				
TOTAL								6.9E-07			5.2E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

\*\* Key to Toxicological Endpoints

RESP            Respiratory System  
CNS/PNS        Central/Peripheral Nervous System  
CV/BL          Cardiovascular/Blood System  
IMMUN         Immune System  
KIDN            Kidney  
GI/LV          Gastrointestinal System/Liver  
REPRO         Reproductive System (e.g. teratogenic and developmental effects)  
EYES            Eye irritation and/or other effects

Note:            Exposure factors used to calculate contaminant intake

exposure frequency (days/year)            350  
exposure duration (years)                    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)
	0.00260	2.60E-06			1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.4E-06	6.5E-07	5.0E+00	1.4E-03	5.2E-04					
<b>TOTAL</b>				6.5E-07				5.2E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+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 )
	0.00260	2.60E-06			1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	6.5E-07	1.0E-07	5.0E+00	1.4E-03	5.2E-04					
<b>TOTAL</b>				1.0E-07				0.10										

\*\* Key to Toxicological Endpoints

RESP      Respiratory System  
CNS/PNS    Central/Peripheral Nervous System  
CV/BL      Cardiovascular/Blood System  
IMMUN      Immune System  
KIDN        Kidney  
GI/LV       Gastrointestinal System/Liver  
REPRO      Reproductive System (e.g. teratogenic and developmental effects)  
EYES        Eye irritation and/or other effects

Note:      Exposure factors used to calculate contaminant intake

exposure frequency (days/year)      350  
exposure duration (years)                14  
inhalation rate (L/kg-day)                261  
inhalation absorption factor                1  
averaging time (years)                    70  
fraction of time at home                    0.73  
age sensitivity factor (ages 16 to 30 years old)      1

**Total Risk for All Age Bins (per million)      1.47**

**Table 5**  
**Quantification of Carcinogenic Risks and Noncarcinogenic Risks**  
**25-Year Worker 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)	R/D (mg/kg/day) (k)	RESP (l)	CNS/PNS (m)	CV/BL (n)	IMMUN (o)	KIDN (p)	GI/LV (q)	REPRO (r)	EYES (s)	
		1	Diesel Particulates			1.02E-02	1.02E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.6E-06	6.0E-07	5.0E+00	1.4E-03	2.0E-03				
TOTAL										6.0E-07			2.0E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00
										0.60										

\*\* Key to Toxicological Endpoints

Note: Exposure factors used to calculate contaminant intake

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

exposure frequency (days/year) 250  
 exposure duration (years) 25  
 inhalation rate (L/kg-day) 230  
 inhalation absorption factor 1  
 averaging time (years) 70

**Table 6**  
**Quantification of Carcinogenic Risks and Noncarcinogenic Risks**  
**9-Year School Child Exposure Scenario**

	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	RID	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	1.88E-03	1.88E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	5.3E-07	2.1E-07	5.0E+00	1.4E-03	3.8E-04								
TOTAL									2.1E-07		3.8E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	
									0.21											

\*\* 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		

**Table 1**  
**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards**  
**0-2 Age Bin Exposure Scenario (Cumulative)**

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)
		0.00117			1.17E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	9.1E-07	5.9E-07	5.0E+00	1.4E-03	2.3E-04				
<b>TOTAL</b>								5.9E-07			2.3E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.59

\*\* Key to Toxicological Endpoints

RESP            Respiratory System  
CNS/PNS        Central/Peripheral Nervous System  
CV/BL          Cardiovascular/Blood System  
IMMUN         Immune System  
KIDN            Kidney  
GI/LV           Gastrointestinal System/Liver  
REPRO         Reproductive System (e.g. teratogenic and developmental effects)  
EYES            Eye irritation and/or other effects

Note:            Exposure factors used to calculate contaminant intake

exposure frequency (days/year)            260  
exposure duration (years)                    4.35  
inhalation rate (L/kg-day)                    1090  
inhalation absorption factor                    1  
averaging time (years)                        70  
fraction of time at home                       1.00  
age sensitivity factor (0 to 2 years old)      10

**Table 3**  
**Quantification of Carcinogenic Risks and Noncarcinogenic Hazards**  
**2-16 Age Bin Exposure Scenario (Cumulative)**

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	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES	
					(ug/m <sup>3</sup> ) <sup>-1</sup> (f)	(mg/kg/day) <sup>-1</sup> (g)	(mg/kg-day) (h)	(i)	(ug/m <sup>3</sup> ) (j)	(mg/kg/day) (k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	
	0.00210	2.10E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.2E-06	3.6E-07	5.0E+00	1.4E-03	4.2E-04								
<b>TOTAL</b>								3.6E-07			4.2E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.36

\*\* 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)	9.65
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 (Cumulative)**

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 )
	0.00210	2.10E-06			1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	5.3E-07	8.1E-08	5.0E+00	1.4E-03	4.2E-04					
<b>TOTAL</b>					8.1E-08				0.08									

\*\* Key to Toxicological Endpoints

RESP      Respiratory System  
CNS/PNS    Central/Peripheral Nervous System  
CV/BL      Cardiovascular/Blood System  
IMMUN      Immune System  
KIDN        Kidney  
GI/LV        Gastrointestinal System/Liver  
REPRO      Reproductive System (e.g. teratogenic and developmental effects)  
EYES        Eye irritation and/or other effects

Note:      Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day)	261
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.73
age sensitivity factor (ages 16 to 30 years old)	1

**Total Risk for All Age Bins (per million)      1.03**