



---

# **Ramona Gateway**

## **HEALTH RISK ASSESSMENT**

### **CITY OF PERRIS**

PREPARED BY:

Haseeb Qureshi  
hqureshi@urbanxroads.com

Michael Tirohn  
mtirohn@urbanxroads.com

OCTOBER 18, 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 TAC AND CANCER RISK TRENDS</b> .....	<b>12</b>
<b>3 BACKGROUND</b> .....	<b>15</b>
3.1 Background on Recommended Methodology .....	15
3.2 Construction Health Risk Assessment.....	15
3.3 Operational Health Risk Assessment .....	18
3.4 Exposure Quantification.....	25
3.5 Carcinogenic Chemical Risk.....	26
3.6 Non-carcinogenic Exposures.....	27
3.7 Potential Project-Related TAC Source Cancer and Non-Cancer Risks.....	28
<b>4 REFERENCES</b> .....	<b>33</b>
<b>5 CERTIFICATIONS</b> .....	<b>36</b>

## **APPENDICES**

- APPENDIX 3.1: CALEEMOD OUTPUTS**
- APPENDIX 3.2: EMFAC EMISSIONS SUMMARY**
- APPENDIX 3.3: AERMOD MODEL INPUT/OUTPUT**
- APPENDIX 3.4: RISK CALCULATIONS**

**LIST OF EXHIBITS**

EXHIBIT 1-A: LOCATION MAP ..... 9  
EXHIBIT 1-B: SITE PLAN..... 10  
EXHIBIT 2-A: DPM AND DIESEL VEHICLE MILES TREND..... 13  
EXHIBIT 3-A: MODELED CONSTRUCTION EMISSION SOURCES ..... 17  
EXHIBIT 3-B: MODELED ON-SITE EMISSION SOURCES ..... 22  
EXHIBIT 3-C: MODELED OFF-SITE EMISSION SOURCES ..... 23  
EXHIBIT 3-D: RECEPTOR LOCATIONS..... 31

**LIST OF TABLES**

TABLE ES-1: SUMMARY OF CONSTRUCTION CANCER AND NON-CANCER RISKS ..... 4  
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 3-1: CONSTRUCTION DURATION ..... 16  
TABLE 3-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS..... 16  
TABLE 3-3: 2024 WEIGHTED AVERAGE DPM EMISSIONS FACTORS..... 19  
TABLE 3-4: DPM EMISSIONS FROM PROJECT TRUCKS (2024 ANALYSIS YEAR) ..... 24  
TABLE 3-5: AERMOD MODEL PARAMETERS..... 25  
TABLE 3-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (CONSTRUCTION ACTIVITY) ..... 26

**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
CAMx	Comprehensive Air Quality Model with Extensions
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
MEIS	Maximally Exposed Individual School
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard Assessment
PM10	Particulate Matter 10 microns in diameter or less
Project	Ramona Gateway
REL	Reference Exposure Level
RM	Recommended Measures
SCAQMD	South Coast Air Quality Management District
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TA	Traffic Analysis
TRU	Transport Refrigeration Unit
URF	Unit Risk Factor
UTM	Universal Transverse Mercator
VMT	Vehicle Miles Traveled

WRF

Weather Research and Forecasting Model

*This page intentionally left blank*

## EXECUTIVE SUMMARY

This report evaluates the potential health risk impacts to sensitive receptors (which include residents and students at nearby schools) and adjacent workers associated with the development of the proposed Project. More specifically, this report identifies potential health risk impacts from exposure to Toxic Air Contaminants (TACs) including diesel particulate matter (DPM) as a result of heavy-duty diesel trucks accessing the site as well as TACs resulting from the proposed gasoline service station in the commercial portion of the Project site. This section summarizes the significance criteria and Project health risks.

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

### CONSTRUCTION IMPACTS

#### Residential Exposure Scenario:

The land use with the greatest potential exposure to Project construction-source DPM emissions is Location R8 which is located approximately 661 feet east of the Project site at an existing residence located at 3802 Brennan Avenue. R8 is placed at the private outdoor living area (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 0.86 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. Although location R8 is not the nearest receptor to the Project site, it does represent the MEIR since this location experiences the greatest concentration due to the modeled source configuration and the meteorological conditions (wind speed and direction). 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 3-D.

#### School Exposure Scenario:

The nearest schools are Val Verde Academy, Val Verde High School, and Val Verde Regional Learning Center, which are located adjacent to the Project site to the south and represented by Location R6. At the maximally exposed individual school (MEIS), the maximum incremental cancer risk impact attributable to Project construction is calculated to be 1.02 in one million, which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were calculated to be <0.01, which would not exceed the applicable significance threshold of 1.0. All other school receptors during construction activity would be exposed to lower concentrations of TACs and therefore less risk than the MEIS identified herein. As such, Project construction will not cause a significant human health or cancer risk to nearby school children.



**OPERATIONAL IMPACTS**

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source TAC emissions is Location R8 which is located approximately 661 feet east of the Project site at an existing residence located at 3802 Brennan Avenue. R8 is placed at the private outdoor living area (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source TAC emissions is estimated at 1.70 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. Although location R8 is not the nearest receptor to the Project site, it does represent the MEIR since this location experiences the greatest concentration due to the modeled source configuration and the meteorological conditions (wind speed and direction). Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance from the Project site and primary truck route than the MEIR analyzed herein, and TACs generally dissipate within a relatively short 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 3-D.

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

The worker receptor land use with the greatest potential exposure to Project operational-source TAC emissions is Location R6, which represents the adjacent potential worker receptor adjacent to the south of the Project site. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact is 0.41 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. All other modeled worker receptors would be exposed to lower concentrations of TACs 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 3-D.

School Exposure Scenario:

The nearest schools are Val Verde Academy, Val Verde High School, and Val Verde Regional Learning Center, which are located adjacent to the Project site to the south. At the MEIS, the maximum incremental cancer risk impact attributable to the Project is calculated to be 3.58 in one million, which is less than the significance threshold of 10 in one million. At this same

---

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.

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. All other school receptors would be exposed to lower concentrations of TACs and therefore less risk than the MEIS identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby schools.

**CONSTRUCTION AND OPERATIONAL IMPACTS**

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project construction-source and operational-source TAC emissions is Location R8. At the MEIR, the maximum incremental cancer risk attributable to Project construction and operational TAC source emissions is estimated at 2.56 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. Although location R8 is not the nearest receptor to the Project site, it does represent the MEIR since this location experiences the greatest concentration due to the modeled source configuration and the meteorological conditions (wind speed and direction). 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 residential 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 3-D.

School Exposure Scenario:

At the MEIS, the maximum incremental cancer risk attributable to Project construction and operational TAC source emissions is estimated at 4.60 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 nearby schools.

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

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
1.01 Year Exposure	Maximum Exposed Sensitive Receptor	0.86	10	NO
1.01 Year Exposure	Maximum Exposed School Receptor	1.02	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Annual Average	Maximum Exposed Sensitive Receptor	≤0.01	1.0	NO
Annual Average	Maximum Exposed School Receptor	≤0.01	1.0	NO

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

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	1.70	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.41	10	NO
9 Year Exposure	Maximum Exposed School Receptor	3.58	10	NO
Time Period	Location	Maximum Hazard Index	Significance Threshold	Exceeds Significance Threshold
Annual Average	Maximum Exposed Sensitive Receptor	≤0.01	1.0	NO
Annual Average	Maximum Exposed Worker Receptor	≤0.01	1.0	NO
Annual Average	Maximum Exposed School Receptor	≤0.01	1.0	NO

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

<b>Time Period</b>	<b>Location</b>	<b>Maximum Lifetime Cancer Risk (Risk per Million)</b>	<b>Significance Threshold (Risk per Million)</b>	<b>Exceeds Significance Threshold</b>
30 Year Exposure	Maximum Exposed Sensitive Receptor	2.56	10	NO
9 Year Exposure	Maximum Exposed School Receptor	4.60	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 School 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 for general development projects within the South Coast Air Basin (SCAB). 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 an HRA is necessary. This document serves to meet the SCAQMD's request for preparation of an HRA. This HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1) and is comprised of all relevant and appropriate procedures presented by the United States Environmental Protection Agency (U.S. EPA), California EPA and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to TAC exposure from a project such as the proposed Project. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulatively considerable impact.

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

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

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

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

## 1.1 SITE LOCATION

The proposed Ramona Gateway site is located south of Ramona Expressway (Exwy.) and between Nevada Avenue (Ave.) and Webster Ave., within the City of Perris' *Perris Valley Commerce Center Specific Plan* (PVCCSP) planning area as shown on Exhibit 1-A. March Air Reserve Base/Inland Port Airport (MARB/IPA) is located approximately 1.2 miles north of the Project site boundary.

The Project site is currently undeveloped. According to the PVCCSP, the Project site is designated for Commercial and Business/Professional Office (BPO) uses. The Commercial designation provides for retail, professional office, and service-oriented business activities which serve the entire City, as well as the surrounding neighborhoods. This zone combines the General Plan Land Use designation of Community Commercial and Commercial Neighborhood. The Business/Professional office designation provides for uses associated with business, professional or administrative services located in areas of high visibility from major roadways with convenient access for automobiles and public transit service. Small-scale warehousing and light manufacturing are also allowed. This zone combines the General Plan Land Use designations of Business Park and Professional Office (3). The Project involves a Specific Plan Amendment to change the southern portion of the current Commercial area and the entirety of BPO area to Light Industrial.

The area adjacent to and south of the Project site has a Public/Semi-Public land use designation in the PVCCSP and is developed with the Val Verde High School, Val Verde Academy, and the Val Verde Regional Learning Center. The area to the north of the Project site (north of Ramona Expressway) has Commercial and Light Industrial PVCCSP land use designations. The area adjacent to and immediately north of Ramona Expressway (with a Commercial land use designation) remains undeveloped but is planned for retail development. There are existing industrial uses to the north of the undeveloped area. The area to the west of the Project site (west of Nevada Avenue) has Commercial and Potential Basin Area PVCCSP land use designations and is currently undeveloped. I-215 is located approximately 600 feet to the west of the Project site and forms the western boundary of the City of Perris and the PVCCSP planning area. The area to the east of the Project site (east of Webster Avenue) is currently undeveloped and has a Light Industrial PVCCSP land use designation. There are existing industrial uses further to the east.

## 1.2 PROJECT DESCRIPTION

The Project is proposed to consist of a single 950,224-square-foot (sf) industrial building consisting of 902,713-sf fulfillment center warehouse (95% of industrial building) and 47,511 sf of high-cube cold storage warehouse use (5% of industrial building). Additionally, the Project includes an 8-building, 37,215-sf retail component that consists of 16,500 sf of restaurant with drive thru use, a 10,200-sf restaurant without drive thru use, a 2,400-sf coffee/donut shop with drive thru, a 3,515-sf automated car wash, and a 16-vehicle fueling station convenience market/gas station. The Project is anticipated to be constructed in a single phase by the middle of 2024. The Project would also include roadway and access improvements, and utility infrastructure connections along the roadways adjacent to the project site including a new off-site gas line to be installed on Ramona Expressway east to Brennan Avenue. The Project involves a Specific Plan Amendment to change the southern portion of the current Commercial area and

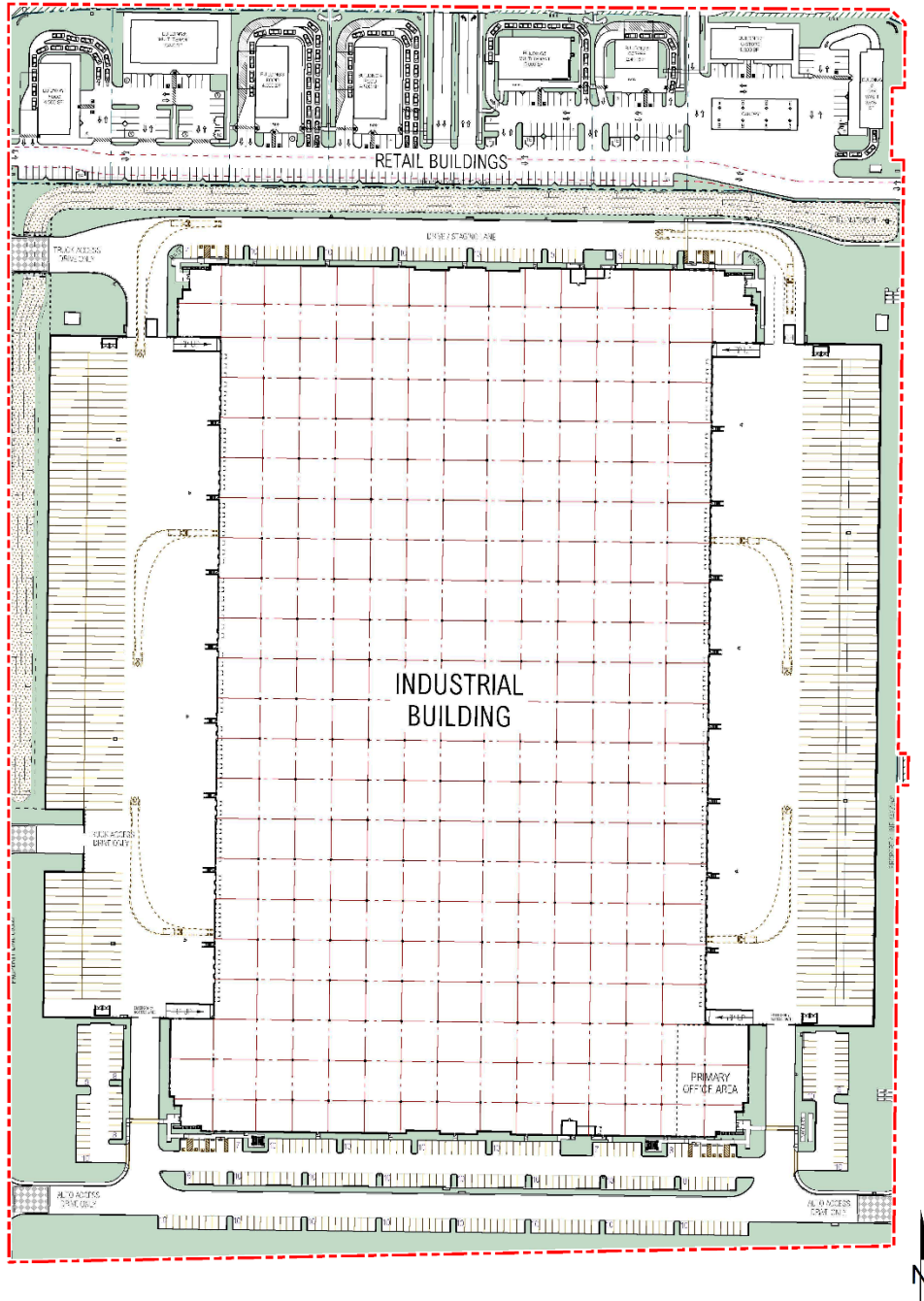
the entirety of BPO area to Light Industrial. The proposed Project expected to generate approximately 8,372 total trips per day which include 7,994 passenger car trips per day and 378 truck trips per day (4).

EXHIBIT 1-A: LOCATION MAP





EXHIBIT 1-B: SITE PLAN



*This page intentionally left blank*

## 2 TAC AND CANCER RISK TRENDS

In 1984, as a result of public concern for exposure to airborne carcinogens, CARB adopted regulations to reduce the amount of TAC emissions resulting from mobile and area sources, such as cars, trucks, stationary sources, and consumer products. According to the *Ambient and Emission Trends of Toxic Air Contaminants in California* journal article (5) which was prepared for CARB, results show that between 1990-2012, ambient concentration and emission trends for the seven TACs responsible for most of the known cancer risk associated with airborne exposure in California have declined significantly (between 1990 and 2012). The seven TACs studied include those that are derived from mobile sources: diesel particulate matter (DPM), benzene (C<sub>6</sub>H<sub>6</sub>), and 1,3-butadiene (C<sub>4</sub>H<sub>6</sub>); those that are derived from stationary sources: perchloroethylene (C<sub>2</sub>Cl<sub>4</sub>) and hexavalent chromium (Cr(VI)); and those derived from photochemical reactions of emitted VOCs: formaldehyde (CH<sub>2</sub>O) and acetaldehyde (C<sub>2</sub>H<sub>4</sub>O)<sup>2</sup>. The decline in ambient concentration and emission trends of these TACs are a result of various regulations CARB has implemented to address cancer risk.

### MOBILE SOURCE TACS

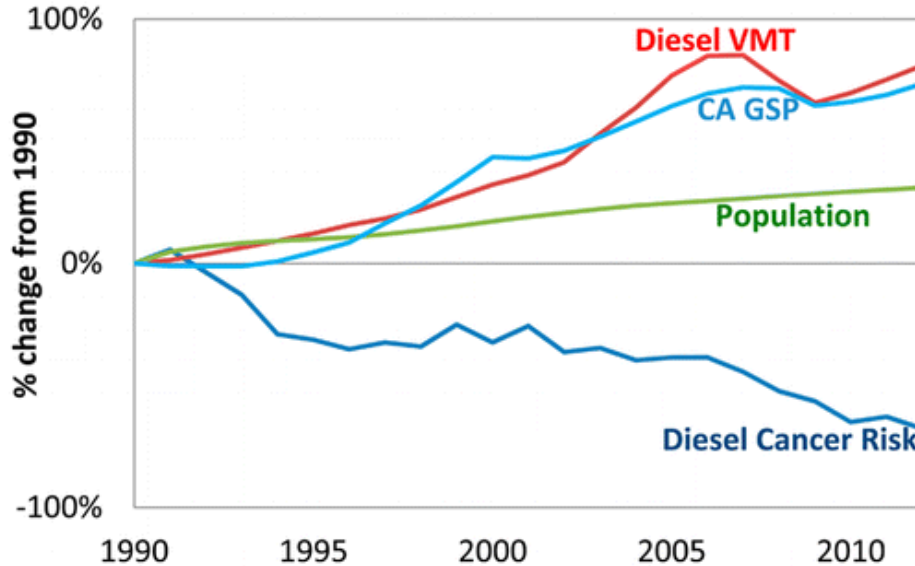
CARB introduced two programs that aimed at reducing mobile emissions for light and medium duty vehicles through vehicle emissions controls and cleaner fuel. In California, light-duty vehicles sold after 1996 are equipped with California's second-generation On-Board Diagnostic (OBD-II) system. The OBD-II system monitors virtually every component that can affect the emission performance of the vehicle to ensure that the vehicle remains as clean as possible over its entire life and assists repair technicians in diagnosing and fixing problems with the computerized engine controls. If a problem is detected, the OBD-II system illuminates a warning lamp on the vehicle instrument panel to alert the driver. This warning lamp typically contains the phrase "Check Engine" or "Service Engine Soon." The system would also store important information about the detected malfunction so that a repair technician can accurately find and fix the problem. CARB has recently developed similar OBD requirements for heavy-duty vehicles over 14,000 pounds (lbs). CARB's phase II Reformulated Gasoline Regulation (RFG-2), adopted in 1996, also led to a reduction of mobile source emissions. Through such regulations, benzene levels declined 88% from 1990-2012. 1,3-Butadiene concentrations also declined 85% from 1990-2012 as a result of the use of reformulated gasoline and motor vehicle regulations (5).

In 2000, CARB's Diesel Risk Reduction Plan (DRRP) recommended the replacement and retrofit of diesel-fueled engines and the use of ultra-low-sulfur (<15 ppm) diesel fuel. As a result of these measures, DPM concentrations have declined 68% since 2000, even though the state's population increased 31% and the amount of diesel vehicles miles traveled increased 81%, as shown on Exhibit 2-A. With the implementation of these diesel-related control regulations, CARB expects a DPM decline of 71% for 2000-2020.

<sup>2</sup> It should be noted that ambient DPM concentrations are not measured directly. Rather, a surrogate method using the coefficient of haze (COH) and elemental carbon (EC) is used to estimate DPM concentrations.

**EXHIBIT 2-A: DPM AND DIESEL VEHICLE MILES TREND**

**California Population, Gross State Product (GSP), Diesel Cancer Risk, Diesel Vehicle-Miles-Traveled (VMT)**



Source: 2020 CARB

**DIESEL REGULATIONS**

CARB and the Ports of Los Angeles and Long Beach (POLA and POLB) have adopted several iterations of regulations for diesel trucks that are aimed at reducing DPM. More specifically, CARB Drayage Truck Regulation (6), CARB statewide On-road Truck and Bus Regulation (7), and the Ports of Los Angeles and Long Beach Clean Truck Program (CTP) require accelerated implementation of “clean trucks” into the statewide truck fleet (8). In other words, older more polluting trucks would be replaced with newer, cleaner trucks as a function of these regulatory requirements.

Moreover, the average statewide DPM emissions for Heavy Duty Trucks (HDT), in terms of grams of DPM generated per mile traveled, would dramatically be reduced due to the aforementioned regulatory requirements.

Diesel emissions identified in this analysis would therefore overstate future DPM emissions since not all the regulatory requirements are reflected in the modeling.

**CANCER RISK TRENDS**

Based on information available from CARB, overall cancer risk throughout the SCAB has had a declining trend since 1990. In 1998, following an exhaustive 10-year scientific assessment process, CARB identified particulate matter from diesel-fueled engines as a toxic air contaminant. The SCAQMD initiated a comprehensive urban toxic air pollution study called the Multiple Air Toxics Exposure Study (MATES). DPM accounts for more than 70% of the cancer risk.

In January 2018, as part of the overall effort to reduce air toxics exposure in the SCAB, SCAQMD began conducting the MATES V Program. MATES V field measurements were conducted at ten fixed sites (the same sites selected for MATES III and IV) to assess trends in air toxics levels. MATES V also included measurements of ultrafine particles (UFP) and black carbon (BC) concentrations, which can be compared to the UFP levels measured in MATES IV (9). The final report for the MATES V study was published in August 2021. In addition to new measurements and updated modeling results, several key updates were implemented in MATES V. First, MATES V estimates cancer risks by taking into account multiple exposure pathways, which includes inhalation and non-inhalation pathways. This approach is consistent with how cancer risks are estimated in South Coast AQMD's programs such as permitting, Air Toxics Hot Spots (AB2588), and CEQA. Previous MATES studies quantified the cancer risks based on the inhalation pathway only. Second, along with cancer risk estimates, MATES V includes information on the chronic non-cancer risks from inhalation and non-inhalation pathways for the first time. Cancer risks and chronic non-cancer risks from MATES II through IV measurements have been re-examined using current Office of Environmental Health Hazard Assessment (OEHHA) and CalEPA risk assessment methodologies and modern statistical methods to examine the trends over time (10).

It is important to note that MATES-V was the first MATES study to include non-inhalation pathways in its estimate for risk. A multi-pathway adjustment factor was used to account for substances that contribute to risk from exposure to pathways other than inhalation, such as ingestion of soil or homegrown vegetables.

MATES-V calculated cancer risks based on monitoring data collected at ten fixed sites within the SCAB. None of the fixed monitoring sites are within the local area of the Project site. However, MATES-V has extrapolated the excess cancer risk levels throughout the SCAB by modeling the specific grids. The Project is located within a quadrant of the geographic grid of the MATES-V model which predicted a cancer risk of 308 in one million for the area containing the Project site. MATES-V predicts risk based on ambient air monitoring data that was collected from ten monitoring sites between May 2018 and April 2019. In order to estimate pollutant concentrations across the basin, air toxics emission inventory data as well as traffic volume and speed data from the Southern California Association of Governments were utilized. Dispersion modeling was performed using the Comprehensive Air Quality Model with Extensions (CAMx) coupled with the Weather Research and Forecasting Model (WRF), a state-of-the-art meteorological modeling tool. Health risks were calculated using methodology consistent with OEHHA's 2015 Risk Assessment Guidelines. The modeling approach employed in the MATES-V study differs significantly from site-specific DPM modeling due to the regional scale over which risk is assessed as well as the inclusion of a variety of TACs emitted by both stationary and mobile sources.

Importantly, given the trend to cleaner diesel technologies, the average levels of diesel PM in MATES V are 53% lower at the 10 monitoring sites compared to MATES IV and experts expect these trend lines to continue.

## 3 BACKGROUND

### 3.1 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 California Air Resources Board (CARB)-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 extremely high for the human body (95% higher than the average population). Thus, the modeling is highly conservative and in fact overstates the risk posed by DPM.
- 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>3</sup> The CARB's anti-idling requirements impose a 5-minute maximum idling time and therefore the analysis again conservatively overestimates DPM emissions from idling by a factor of 3.

### 3.2 CONSTRUCTION HEALTH RISK ASSESSMENT

#### 3.2.1 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 *Ramona Gateway Air Quality Impact Analysis* ("technical study") prepared by Urban Crossroads, Inc. (11)

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

Based on the construction schedule, as summarized on Table 3-1, which is consistent with the Air Quality Technical Study, the Project would result in approximately 265 total working-days of construction activity (from the construction start date to the construction end date). A detailed summary of construction equipment assumptions by phase is provided at Table 3-2. The CalEEMod emissions outputs are presented in Appendix 3.1. The modeled emission sources for construction activity are illustrated on Exhibit 3-A.

<sup>3</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 3-1: CONSTRUCTION DURATION**

Construction Activity	Start Date	End Date	Days
Site Preparation	07/03/2023	07/21/2023	15
Grading	07/22/2023	10/27/2023	70
Building/Vertical Construction	10/28/2023	05/03/2024	135
Architectural Coating	03/18/2024	05/10/2024	40
Paving	05/04/2024	05/31/2024	20
Landscaping/Tenant Improvements	05/11/2024	07/05/2024	40


**TABLE 3-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS**

Construction Activity	Equipment	Amount	Hours Per Day
Site Preparation	Crawler Tractors	6	8
	Rubber Tired Dozers	5	8
Grading	Crawler Tractors	3	8
	Excavators	3	8
	Graders	2	8
	Rubber Tired Dozers	2	8
	Scrapers	3	8
Building/Vertical Construction	Cranes	2	8
	Forklifts	6	8
	Generator Sets	2	8
	Tractors/Loaders/Backhoes	6	8
	Welders	2	8
Architectural Coating	Air Compressors	2	8
Paving	Pavers	4	8
	Paving Equipment	4	8
	Rollers	4	8
Landscaping/Tenant Improvements	Cranes	2	8
	Forklifts	6	8
	Generator Sets	2	8
	Tractors/Loaders/Backhoes	6	8
	Welders	2	8

**EXHIBIT 3-A: MODELED CONSTRUCTION EMISSION SOURCES**



**LEGEND:**

 Construction Activity



### 3.3 OPERATIONAL HEALTH RISK ASSESSMENT

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

Vehicle DPM emissions were calculated using emission factors for particulate matter less than 10µm 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 (12). 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 3-3. As a conservative measure, a 2024 EMFAC 2021 run was conducted and a static 2024 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2024 emission factors would overstate potential impacts since this approach assumes that emission factors remain “static” and do not change over time due to fleet turnover or cleaner technology with lower emissions that would be incorporated into vehicles after 2024. Additionally, based on EMFAC 2021, Light-Heavy-Duty Trucks are comprised of 59.7% diesel, Medium-Heavy-Duty Trucks are comprised of 90.3% diesel, and Heavy-Heavy-Duty Trucks are comprised of 95.2% diesel. Trucks fueled by diesel are accounted for by these percentages accordingly in the emissions factor generation. Appendix 3.2 includes additional details on the emissions estimates from EMFAC. Furthermore, the industrial portion of the Project plans to install electric vehicle charging infrastructure (conduit) to every other truck loading dock. The build out of this infrastructure and the industry’s adoption of such technology over time would encourage the use of electric trucks and potentially reduce diesel emissions associated with the Project.

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 (13):

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

Where:

Emissions<sub>SpeedA</sub> (g/s): Vehicle emissions at a given speed A;

EF<sub>RunExhaust</sub> (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 (13):

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

Where:

Emissions<sub>idle</sub> (g/s): Vehicle emissions during idling;

EF<sub>idle</sub>(g/s): EMFAC idle exhaust PM<sub>10</sub> emission factor.

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

Speed	Weighted Average
0 (idling)	0.06980 (g/idle-hr)
5	0.02004 (g/s)
25	0.00896 (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 3.3. 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 3-4. The modeled emission sources are illustrated on Exhibit 3-B for on-site sources and Exhibit 3-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

¾ 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 (14) (in the case of the Project, the primary source of emissions is the on-site idling and on-site travel).

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 (15), which would take into account on-site idling which occurs while the trucks are waiting to pull up to the truck bays, idling at the bays, idling at check-in and check-out, etc. As such, this analysis calculates truck idling at 15 minutes, consistent with SCAQMD’s recommendation.

As summarized in the *Ramona Gateway Traffic Analysis* prepared by Urban Crossroads, Inc., the Project is expected to generate a total of approximately 8,372 vehicular trips-ends per day (actual vehicles) which includes 378 two-way truck trips per day (4).

**3.3.2 ON-SITE GASOLINE DISPENSING**

Guidance and emission factors from South Coast Air Quality Management District’s Risk Assessment Procedures for Rules 1041, 1401.1 and 212 (16) were utilized to model emissions resulting from the gasoline dispensing facility. Based on estimates provided by the Project team, the gasoline station is anticipated to result in an annual throughput of 1,200,000 gallons. Consistent with this guidance, it was assumed that emissions from the gasoline dispensing facility would occur through vehicle refueling, hose permeation, tank loading and breathing, and spillage. Refueling and hose permeation emissions were modeled using volume sources with a release height of 1 meter and an initial vertical dimension of 2.33 meters. Loading and breathing emissions were modeled using point sources with a stack height of 3.66 meters and a stack diameter of 0.051 meters. Spillage emissions were modeled using volume sources with a release height of 0 meters and an initial vertical dimension of 2.33 meters.

**3.3.3 OPERATIONAL OFF-ROAD EQUIPMENT**

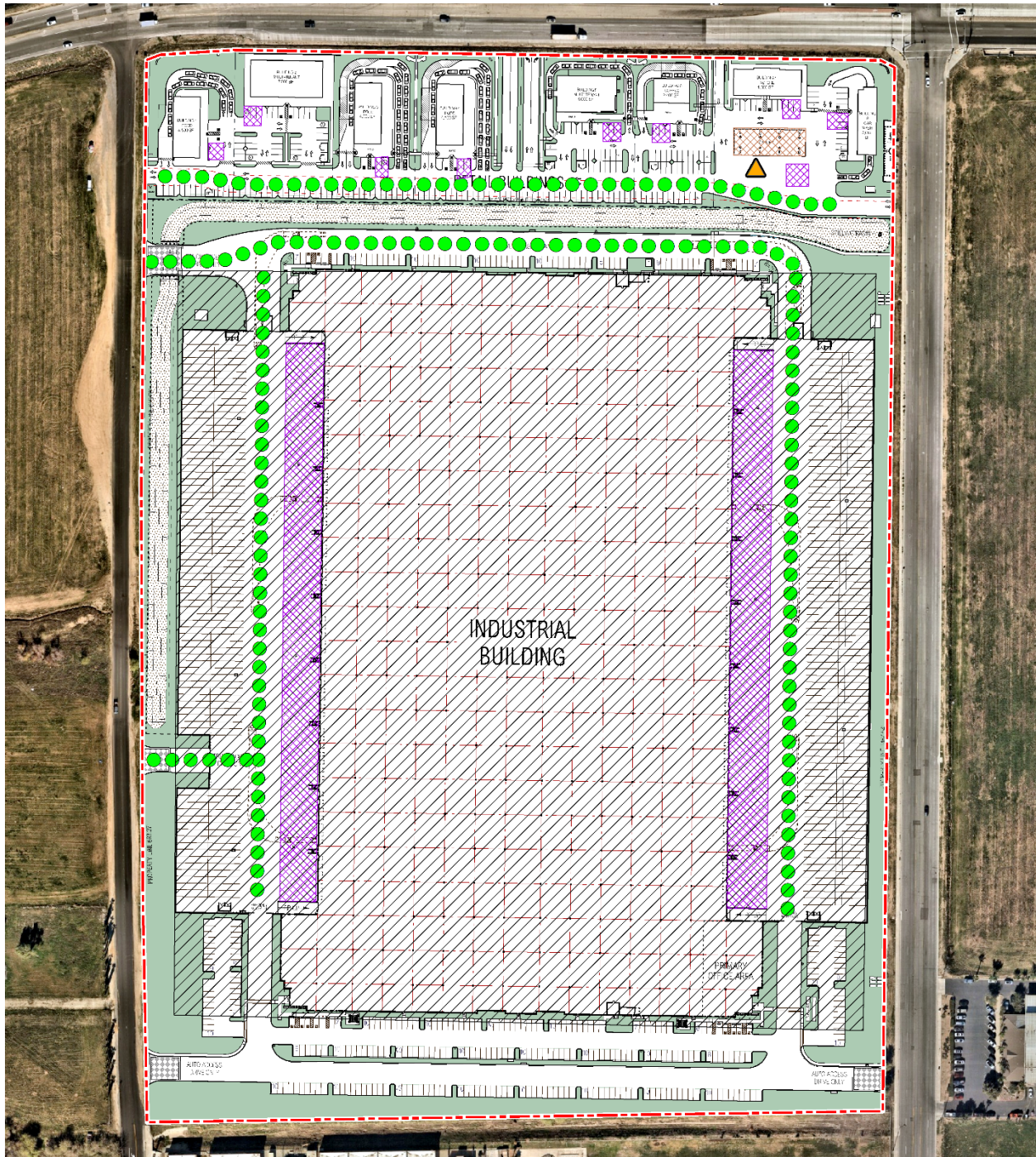
Emissions from the use of off-road equipment during operation of the proposed Project were calculated using CalEEMod, as summarized in the air quality technical study. As such, it was conservatively assumed that four CARB-certified Tier 4 Interim diesel-powered tractors/loaders/backhoes would operate for four hours per day. In order to model diesel particulate emissions from this equipment, a volume source was modeled over the industrial portion of the Project site with a release height of 5 meters and an initial vertical dimension of 1.4 meters, consistent with SCAQMD guidance.

**3.3.4 TRANSPORT REFRIGERATION UNITS**

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 36 two-way truck trips have the potential to include TRUs (approximately 10% of all trucks accessing the site). TRUs are accounted for during on-site and off-site travel. The TRU






calculations are based on the 2017 Off-road Emissions model, version 1.0.1 (Orion), developed by the CARB. Orion does not provide emission rates per hour or mile as with the on-road emission model and only provides emission inventories. Emission results are produced in tons per day while all activity, fuel consumption and horsepower hours were reported at annual levels. The emission inventory is based on specific assumptions including the average horsepower rating of specific types of equipment and the hours of operation annually. These assumptions are not always consistent with assumptions used in the modeling of project level emissions. Therefore, the emissions inventory was converted into emission rates to accurately calculate emissions from TRU operation associated with project level details. This was accomplished by converting the annual horsepower hours to daily operational characteristics and converting the daily emission levels into hourly emission rates based on the total DPM emissions by equipment type and the average daily hours of operation.

EXHIBIT 3-B: MODELED ON-SITE EMISSION SOURCES



LEGEND:



-  Loading/Breathing Point Source
-  On-Site Truck Idling
-  Off-Road Equipment
-  Refueling Volume Sources
-  On-Site Truck Travel

**EXHIBIT 3-C: MODELED OFF-SITE EMISSION SOURCES**



**LEGEND:**

● Off-Site Truck Travel

**TABLE 3-4: DPM EMISSIONS FROM PROJECT TRUCKS (2024 ANALYSIS YEAR)**

Truck Emission Rates						
Source	Trucks Per Day	VMT <sup>a</sup> (miles/day)	Truck Emission Rate <sup>b</sup> (grams/mile)	Truck Emission Rate <sup>b</sup> (grams/idle-hour)	Daily Truck Emissions <sup>c</sup> (grams/day)	Modeled Emission Rates (g/second)
On-Site Idling - West	189			0.0698	3.84	4.441E-05
On-Site Idling - East	189			0.0698	3.84	4.441E-05
On-Site Idling - Retail Bldg. 1	1			0.0698	0.08	8.953E-07
On-Site Idling - Retail Bldg. 2	1			0.0698	0.08	8.953E-07
On-Site Idling - Retail Bldg. 3	1			0.0698	0.08	8.953E-07
On-Site Idling - Retail Bldg. 4	1			0.0698	0.08	8.953E-07
On-Site Idling - Retail Bldg. 5	1			0.0698	0.08	8.953E-07
On-Site Idling - Retail Bldg. 6	1			0.0698	0.08	8.953E-07
On-Site Idling - Retail Bldg. 7	1			0.0698	0.08	8.953E-07
On-Site Idling - Retail Bldg. 8	1			0.0698	0.02	2.020E-07
On-Site Idling - Retail Fuel Deliveries	1			0.0698	0.02	2.020E-07
On-Site Travel - West 50%	189	38.20	0.0200		0.81	9.365E-06
On-Site Travel - East 50%	189	70.48	0.0200		1.49	1.728E-05
On-Site Travel - Driveway 3 50%	189	6.06	0.0200		0.13	1.486E-06
On-Site Travel - Driveway 2 50%	189	5.60	0.0200		0.12	1.373E-06
On-Site Travel - Retail	9	1.96	0.0200		0.08	8.751E-07
Off-Site Travel Nevada Ave Retail Inbound/Outbound	9	0.23	0.0090		0.00	4.706E-08
Off-Site Travel Nevada Ave 50% Inbound/Outbound	198	30.97	0.0090		0.29	3.350E-06
Off-Site Travel Nevada Ave 100% Inbound/Outbound	387	619.72	0.0090		5.74	6.648E-05

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

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

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

### 3.4 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1). SCAQMD recommends using the Environmental Protection Agency’s (U.S. EPA’s) AERMOD model. For purposes of this analysis, the Lakes AERMOD View (Version 10.2.1) was used to calculate annual average particulate concentrations associated with site operations. Lakes AERMOD View was utilized to incorporate the U.S. EPA’s latest AERMOD Version 21112 (17).

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 3-5 (18). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD’s Perris Valley monitoring station (SRA 24) was used to represent local weather conditions and prevailing winds (19).

**TABLE 3-5: 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 3.3. 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. Thus, this HRA would, again, overestimate exposure risks.



For purposes of this HRA, receptors include residential, children at nearby schools, and worker land uses in the vicinity of the Project. These receptors are included in the HRA since residents, children at nearby schools, and workers may be exposed at these locations over a long-term duration of 30, 9, and 25 years, respectively. This methodology is consistent with SCAQMD and OEHHA recommended guidance.

Any impacts to residents, school-aged children, 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 (18). 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 (20).

For construction activity, 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 summarizes the exposure parameters for residents utilized to analyze impacts from Project construction based on 2015 OEHHA Guidelines.

In order to estimate impacts from DPM and gasoline dispensing emissions during Project operational activities, health risk was calculated using CARB’s Hotspots Analysis and Reporting Program (HARP2), version 22118 (21). HARP2 calculates cancer and non-cancer health risk based on the 2015 OEHHA Guidelines. Appendix 3.4 includes the detailed risk calculation and HARP2 model outputs.

**TABLE 3-6: EXPOSURE ASSUMPTIONS FOR INDIVIDUAL CANCER RISK (CONSTRUCTION ACTIVITY)**

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
0 to 2	1,090	10	1.01	0.85	260	8

**3.5 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 (1), for purposes of this analysis, 10 in one million is used as the cancer risk threshold for the proposed Project.

Excess cancer risks are estimated as the upper-bound incremental probability that an individual will develop cancer over a lifetime as a direct result of exposure to potential carcinogens over a specified exposure duration. The estimated risk is expressed as a unitless probability. The cancer risk attributed to a chemical is calculated by multiplying the chemical intake or dose at the human

exchange boundaries (e.g., lungs) by the chemical-specific cancer potency factor (CPF). A risk level of 10 in one million implies a likelihood that up to 10 people, out of one million equally exposed people would contract cancer if exposed continuously (24 hours per day) to the levels of toxic air contaminants over a specified duration of time.

Guidance from CARB and 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.

$$DOSE_{air} = (C_{air} \times [BR/BW] \times A \times EF) \times (1 \times 10^{-6})$$

Where:

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

Where:

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

### 3.6 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  $5 \mu\text{g}/\text{m}^3$  (22). The non-cancer hazard index was calculated (consistent with SCAQMD methodology) as follows:

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

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

Where:

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

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

### 3.7 POTENTIAL PROJECT-RELATED TAC SOURCE CANCER AND NON-CANCER RISKS

#### CONSTRUCTION IMPACTS

##### Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project construction-source DPM emissions is Location R8 which is located approximately 661 feet east of the Project site at an existing residence located at 3802 Brennan Avenue. R8 is placed at the private outdoor living area (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 0.86 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. Although location R8 is not the nearest receptor to the Project site, it does represent the MEIR since this location experiences the greatest concentration due to the modeled source configuration and the meteorological conditions (wind speed and direction). 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 3-D.

##### School Exposure Scenario:

The nearest schools are Val Verde Academy, Val Verde High School, and Val Verde Regional Learning Center, which are located adjacent to the Project site to the south and represented by Location R6. At the MEIS, the maximum incremental cancer risk impact attributable to Project construction is calculated to be 1.02 in one million, which is less than the significance threshold of 10 in one million. At this same location, non-cancer risks attributable to the Project were

calculated to be <0.01, which would not exceed the applicable significance threshold of 1.0. All other school receptors during construction activity would be exposed to lower concentrations of TACs and therefore less risk than the MEIS identified herein. As such, Project construction will not cause a significant human health or cancer risk to nearby schools.

**OPERATIONAL IMPACTS**

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source TAC emissions is Location R8 which is located approximately 661 feet east of the Project site at an existing residence located at 3802 Brennan Avenue. R8 is placed at the private outdoor living area (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source TAC emissions is estimated at 1.70 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. Although location R8 is not the nearest receptor to the Project site, it does represent the MEIR since this location experiences the greatest concentration due to the modeled source configuration and the meteorological conditions (wind speed and direction). Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance from the Project site and primary truck route than the MEIR analyzed herein, and TACs generally dissipate within a relatively short 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 3-D.

Worker Exposure Scenario<sup>4</sup>:

The worker receptor land use with the greatest potential exposure to Project operational-source TAC emissions is Location R6, which represents the adjacent potential worker receptor adjacent to the south of the Project site. At the MEIW, the maximum incremental cancer risk impact is 0.41 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. All other modeled worker receptors would be exposed to lower concentrations of TACs 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 3-D.

School Exposure Scenario:

---

4 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.

The nearest schools are Val Verde Academy, Val Verde High School, and Val Verde Regional Learning Center, which are located adjacent to the Project site to the south. At the MEIS, the maximum incremental cancer risk impact attributable to the Project is calculated to be 3.58 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. All other school receptors would be exposed to lower concentrations of TACs and therefore less risk than the MEIS identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby schools.

**CONSTRUCTION AND OPERATIONAL IMPACTS**

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project construction-source and operational-source TAC emissions is Location R8. At the MEIR, the maximum incremental cancer risk attributable to Project construction and operational TAC source emissions is estimated at 2.56 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. Although location R8 is not the nearest receptor to the Project site, it does represent the MEIR since this location experiences the greatest concentration due to the modeled source configuration and the meteorological conditions (wind speed and direction). 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 3-D.

School Exposure Scenario:

At the MEIS, the maximum incremental cancer risk attributable to Project construction and operational TAC source emissions is estimated at 4.60 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 nearby schools.

### EXHIBIT 3-D: RECEPTOR LOCATIONS



- LEGEND:**
- N
  - Receptor Locations
  - Distance from receptor to construction activity (in feet)

*This page intentionally left blank*

## 4 REFERENCES

1. **South Coast Air Quality Management District.** Mobile Source Toxics Analysis. [Online] 2003. [http://www.aqmd.gov/ceqa/handbook/mobile\\_toxic/mobile\\_toxic.html](http://www.aqmd.gov/ceqa/handbook/mobile_toxic/mobile_toxic.html).
2. **Goss, Tracy A and Kroeger, Amy.** White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution. [Online] South Coast Air Quality Management District, 2003. [Cited: June 6, 2019.] <http://www.aqmd.gov/docs/default-source/Agendas/Environmental-Justice/cumulative-impacts-working-group/cumulative-impacts-white-paper.pdf?sfvrsn=2>.
3. **City of Perris.** *Perris Valley Commerce Center Specific Plan.* 2022.
4. **Urban Crossroads, Inc.** *Ramona Gateway Traffic Analysis.* 2022.
5. **Ralph Propper, Patrick Wong, Son Bui, Jeff Austin, William Vance, Alvaro Alvarado, Bart Croes, and Dongmin Luo.** Ambient and Emission Trends of Toxic Air Contaminants in California. *American Chemical Society: Environmental Science & Technology.* 2015.
6. **California Air Resources Board.** Drayage Trucks at Seaports & Railyards. [Online] <https://ww2.arb.ca.gov/our-work/programs/drayage-trucks-seaports-railyards>.
7. **Air Resources Board.** Truck and Bus Regulation. *On-Road Heavy-Duty Diesel Vehicles (In-Use) Regulation.* [Online] <http://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm>.
8. **The Port of Los Angeles.** Clean Truck Program. [Online] [http://www.portoflosangeles.org/ctp/idx\\_ctp.asp](http://www.portoflosangeles.org/ctp/idx_ctp.asp).
9. **South Coast Air Quality Management District.** Transfer Funds, Appropriate Funding, Execute Purchase Orders, Execute Contract and Authorize Release of RFQs for the Fifth Multiple Air Toxics Exposure Study. *South Coast Air Quality Management District.* [Online] 2017. <http://www.aqmd.gov/docs/default-source/Agendas/Governing-Board/2017/2017-jul7-009.pdf?sfvrsn=7>.
10. —. *MATES V Final Report.* [Online] August 2021. [http://www.aqmd.gov/docs/default-source/planning/mates-v/draft-mates-v-executive-summary\\_v2.pdf?sfvrsn=6](http://www.aqmd.gov/docs/default-source/planning/mates-v/draft-mates-v-executive-summary_v2.pdf?sfvrsn=6).
11. **Urban Crossroads, Inc.** *Ramona Gateway Air Quality Impact Analysis.* 2022.
12. **California Air Resources Board.** EMFAC 2021. [Online] <https://www.arb.ca.gov/emfac/>.
13. **California Department of Transportation.** EMFAC Software. [Online] <http://www.dot.ca.gov/hq/env/air/pages/emfac.htm>.
14. **Air Resources Board.** *Air Quality and Land Use Handbook: A Community Health Perspective.* 2005.
15. **Wong, Jillian.** *Planning, Rule Development & Area Sources.* December 22, 2016.
16. **South Coast Air Quality Management District.** *Risk Assessment Procedures for Rules 1401, 1401.1 and 212.* 2017.
17. **United States 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).
18. **South Coast Air Quality Management District.** South Coast AQMD Modeling Guidance for AERMOD. [Online] [Cited: September 18, 2019.] <http://www.aqmd.gov/home/air-quality/meteorological-data/modeling-guidance>.



19. —. Data for AERMOD. [Online] <https://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod>.
20. **United States 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).
21. **California Air Resources Board.** Hot Spots Analysis and Reporting Program, version 22118. [Online] 2022. <https://ww2.arb.ca.gov/our-work/programs/hot-spots-analysis-reporting-program>.
22. **California Office of Environmental Health Hazard Assessment.** OEHHA Chemical Database. [Online] <https://oehha.ca.gov/chemicals>.
23. **United States 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).

*This page intentionally left blank*

## 5 CERTIFICATIONS

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

Haseeb Qureshi  
Associate 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 3.1:**

### **CALEEMOD OUTPUTS**

# Ramona Gateway Commerce Center 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
  - 2.4. Operations Emissions Compared Against Thresholds
  - 2.5. Operations Emissions by Sector, Unmitigated
3. Construction Emissions Details
  - 3.1. Site Preparation (2023) - Unmitigated
  - 3.3. Grading (2023) - Unmitigated
  - 3.5. Building Construction (2023) - Unmitigated
  - 3.7. Building Construction (2024) - Unmitigated

3.9. Building Construction (2024) - Unmitigated

3.11. Paving (2024) - Unmitigated

3.13. Architectural Coating (2024) - Unmitigated

#### 4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

4.3. Area Emissions by Source

4.3.2. Unmitigated

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

#### 4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

#### 4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

#### 4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

### 5. Activity Data

#### 5.1. Construction Schedule

#### 5.2. Off-Road Equipment

5.2.1. Unmitigated

#### 5.3. Construction Vehicles

5.3.1. Unmitigated

#### 5.4. Vehicles



5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

8. User Changes to Default Data

# 1. Basic Project Information

## 1.1. Basic Project Information

Data Field	Value
Project Name	Ramona Gateway Commerce Center
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	9.00
Location	33.842043561435375, -117.2466820493357
County	Riverside-South Coast
City	Perris
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5580
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
Refrigerated Warehouse-No Rail	47.5	1000sqft	1.09	47,510	293,594	—	—	—
Unrefrigerated Warehouse-No Rail	903	1000sqft	20.7	902,710	0.00	—	—	—

Other Asphalt Surfaces	596	1000sqft	13.7	0.00	0.00	—	—	—
Parking Lot	875	Space	6.08	0.00	0.00	—	—	—
Fast Food Restaurant w/o Drive Thru	10.2	1000sqft	0.23	10,200	0.00	—	—	—
Fast Food Restaurant with Drive Thru	18.9	1000sqft	0.43	18,900	0.00	—	—	—
Automobile Care Center	3.52	1000sqft	0.08	3,520	0.00	—	—	—
Convenience Market with Gas Pumps	16.0	Pump	0.11	4,600	0.00	—	—	—
User Defined Industrial	950	User Defined Unit	0.00	950,224	0.00	—	—	—

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

No measures selected

## 2. Emissions Summary

### 2.1. Construction Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.2	38.4	77.2	128	0.12	4.07	16.4	17.7	3.74	4.60	8.34	—	27,557	27,557	1.04	1.44	80.6	28,093
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.85	38.1	72.8	105	0.12	3.34	16.4	17.7	3.08	3.91	5.31	—	26,234	26,234	1.06	1.45	2.09	26,694

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.09	6.01	21.9	33.5	0.04	0.97	4.59	5.04	0.89	1.09	1.88	—	7,789	7,789	0.32	0.39	9.67	7,921
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.56	1.10	4.00	6.11	0.01	0.18	0.84	0.92	0.16	0.20	0.34	—	1,290	1,290	0.05	0.06	1.60	1,311

## 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	9.63	8.09	77.2	64.3	0.12	4.07	9.88	13.9	3.74	4.60	8.34	—	14,444	14,444	0.53	0.54	10.2	14,629
2024	10.2	38.4	45.0	128	0.10	1.87	16.4	17.7	1.72	3.91	5.06	—	27,557	27,557	1.04	1.44	80.6	28,093
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	8.75	7.32	72.8	86.6	0.12	3.34	12.2	13.4	3.08	2.91	5.31	—	21,860	21,860	0.86	1.28	1.73	22,265
2024	9.85	38.1	39.8	105	0.10	1.24	16.4	17.7	1.15	3.91	5.06	—	26,234	26,234	1.06	1.45	2.09	26,694
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	3.09	2.62	21.9	25.3	0.04	0.97	3.12	4.09	0.89	0.99	1.88	—	5,973	5,973	0.23	0.27	4.58	6,065
2024	3.03	6.01	13.2	33.5	0.03	0.45	4.59	5.04	0.42	1.09	1.51	—	7,789	7,789	0.32	0.39	9.67	7,921
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.56	0.48	4.00	4.61	0.01	0.18	0.57	0.75	0.16	0.18	0.34	—	989	989	0.04	0.05	0.76	1,004
2024	0.55	1.10	2.41	6.11	0.01	0.08	0.84	0.92	0.08	0.20	0.28	—	1,290	1,290	0.05	0.06	1.60	1,311

## 2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	99.6	141	83.9	397	1.09	1.54	27.7	29.2	1.52	5.27	6.79	1,112	122,922	124,034	117	11.1	2,157	132,415
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	81.9	125	87.5	269	1.05	1.43	27.7	29.1	1.37	5.27	6.64	1,112	118,492	119,604	117	11.2	1,787	127,650
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	83.3	125	86.0	313	1.00	1.46	25.9	27.3	1.43	4.95	6.38	1,112	113,852	114,964	117	10.9	1,931	123,071
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	15.2	22.9	15.7	57.1	0.18	0.27	4.72	4.99	0.26	0.90	1.16	184	18,849	19,034	19.4	1.81	320	20,376

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	84.3	80.5	77.8	304	1.06	1.25	27.7	28.9	1.19	5.27	6.46	—	110,856	110,856	3.71	9.89	380	114,275
Area	15.0	60.4	0.71	84.2	0.01	0.11	—	0.11	0.15	—	0.15	—	347	347	0.01	< 0.005	—	348
Energy	0.22	0.11	1.99	1.67	0.01	0.15	—	0.15	0.15	—	0.15	—	8,834	8,834	0.82	0.08	—	8,878
Water	—	—	—	—	—	—	—	—	—	—	—	439	1,513	1,952	45.2	1.09	—	3,405
Waste	—	—	—	—	—	—	—	—	—	—	—	673	0.00	673	67.3	0.00	—	2,354
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,777	1,777
Off-Road	0.16	0.16	3.37	6.79	0.01	0.03	—	0.03	0.03	—	0.03	—	1,373	1,373	0.06	0.01	—	1,378

Ramona Gateway Commerce Center Detailed Report, 6/16/2022

Total	99.6	141	83.9	397	1.09	1.54	27.7	29.2	1.52	5.27	6.79	1,112	122,922	124,034	117	11.1	2,157	132,415
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	81.5	77.7	82.1	261	1.02	1.25	27.7	28.9	1.19	5.27	6.46	—	106,772	106,772	3.86	10.00	9.85	109,858
Area	—	46.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.22	0.11	1.99	1.67	0.01	0.15	—	0.15	0.15	—	0.15	—	8,834	8,834	0.82	0.08	—	8,878
Water	—	—	—	—	—	—	—	—	—	—	—	439	1,513	1,952	45.2	1.09	—	3,405
Waste	—	—	—	—	—	—	—	—	—	—	—	673	0.00	673	67.3	0.00	—	2,354
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,777	1,777
Off-Road	0.16	0.16	3.37	6.79	0.01	0.03	—	0.03	0.03	—	0.03	—	1,373	1,373	0.06	0.01	—	1,378
Total	81.9	125	87.5	269	1.05	1.43	27.7	29.1	1.37	5.27	6.64	1,112	118,492	119,604	117	11.2	1,787	127,650
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	72.7	69.2	80.1	247	0.98	1.21	25.9	27.1	1.15	4.95	6.10	—	101,894	101,894	3.58	9.74	154	105,041
Area	10.3	56.1	0.49	57.7	< 0.005	0.08	—	0.08	0.10	—	0.10	—	237	237	0.01	< 0.005	—	238
Energy	0.22	0.11	1.99	1.67	0.01	0.15	—	0.15	0.15	—	0.15	—	8,834	8,834	0.82	0.08	—	8,878
Water	—	—	—	—	—	—	—	—	—	—	—	439	1,513	1,952	45.2	1.09	—	3,405
Waste	—	—	—	—	—	—	—	—	—	—	—	673	0.00	673	67.3	0.00	—	2,354
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,777	1,777
Off-Road	0.16	0.16	3.37	6.79	0.01	0.03	—	0.03	0.03	—	0.03	—	1,373	1,373	0.06	0.01	—	1,378
Total	83.3	125	86.0	313	1.00	1.46	25.9	27.3	1.43	4.95	6.38	1,112	113,852	114,964	117	10.9	1,931	123,071
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	13.3	12.6	14.6	45.0	0.18	0.22	4.72	4.94	0.21	0.90	1.11	—	16,870	16,870	0.59	1.61	25.5	17,391
Area	1.87	10.2	0.09	10.5	< 0.005	0.01	—	0.01	0.02	—	0.02	—	39.3	39.3	< 0.005	< 0.005	—	39.4
Energy	0.04	0.02	0.36	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,463	1,463	0.14	0.01	—	1,470
Water	—	—	—	—	—	—	—	—	—	—	—	72.7	251	323	7.48	0.18	—	564
Waste	—	—	—	—	—	—	—	—	—	—	—	111	0.00	111	11.1	0.00	—	390
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	294	294



Off-Road	0.03	0.03	0.61	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	227	227	0.01	< 0.005	—	228
Total	15.2	22.9	15.7	57.1	0.18	0.27	4.72	4.99	0.26	0.90	1.16	184	18,849	19,034	19.4	1.81	320	20,376

### 3. Construction Emissions Details

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

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	9.43	7.93	76.3	61.6	0.08	4.06	—	4.06	3.73	—	3.73	—	8,984	8,984	0.36	0.07	—	9,014
Dust From Material Movement	—	—	—	—	—	—	9.35	9.35	—	4.47	4.47	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	0.33	3.14	2.53	< 0.005	0.17	—	0.17	0.15	—	0.15	—	369	369	0.01	< 0.005	—	370
Dust From Material Movement	—	—	—	—	—	—	0.38	0.38	—	0.18	0.18	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.57	0.46	< 0.005	0.03	—	0.03	0.03	—	0.03	—	61.1	61.1	< 0.005	< 0.005	—	61.3
Dust From Material Movement	—	—	—	—	—	—	0.07	0.07	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	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	0.03	0.02	0.73	0.23	< 0.005	0.01	0.04	0.04	0.01	0.01	0.02	—	628	628	0.01	0.09	1.75	658
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	15.5	15.5	< 0.005	< 0.005	0.03	15.7
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	25.8	25.8	< 0.005	< 0.005	0.03	27.0
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
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	2.56	2.56	< 0.005	< 0.005	0.01	2.59
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.28	4.28	< 0.005	< 0.005	0.01	4.47
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.3. Grading (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	8.42	7.08	69.1	55.5	0.10	3.30	—	3.30	3.04	—	3.04	—	11,046	11,046	0.45	0.09	—	11,084
Dust From Material Movement:	—	—	—	—	—	—	4.92	4.92	—	1.91	1.91	—	—	—	—	—	—	—
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	8.42	7.08	69.1	55.5	0.10	3.30	—	3.30	3.04	—	3.04	—	11,046	11,046	0.45	0.09	—	11,084
Dust From Material Movement:	—	—	—	—	—	—	4.92	4.92	—	1.91	1.91	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.62	1.36	13.2	10.6	0.02	0.63	—	0.63	0.58	—	0.58	—	2,118	2,118	0.09	0.02	—	2,126
Dust From Material Movement:	—	—	—	—	—	—	0.94	0.94	—	0.37	0.37	—	—	—	—	—	—	—
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	0.29	0.25	2.42	1.94	< 0.005	0.12	—	0.12	0.11	—	0.11	—	351	351	0.01	< 0.005	—	352
Dust From Material Movement	—	—	—	—	—	—	0.17	0.17	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.17	2.95	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	477	477	0.02	0.02	2.05	485
Vendor	0.15	0.09	3.41	1.06	0.02	0.04	0.17	0.21	0.04	0.06	0.10	—	2,921	2,921	0.06	0.43	8.13	3,060
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	0.18	0.16	0.20	2.23	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	439	439	0.02	0.02	0.05	444
Vendor	0.15	0.08	3.57	1.09	0.02	0.04	0.17	0.21	0.04	0.06	0.10	—	2,923	2,923	0.06	0.43	0.21	3,054
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.04	0.45	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	85.2	85.2	< 0.005	< 0.005	0.17	86.4
Vendor	0.03	0.02	0.69	0.21	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	560	560	0.01	0.08	0.68	586
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	0.08	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	14.1	14.1	< 0.005	< 0.005	0.03	14.3
Vendor	0.01	< 0.005	0.13	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	92.8	92.8	< 0.005	0.01	0.11	97.0
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. Building Construction (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.24	2.71	25.6	28.6	0.05	1.19	—	1.19	1.10	—	1.10	—	5,260	5,260	0.21	0.04	—	5,278
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	0.41	0.34	3.26	3.63	0.01	0.15	—	0.15	0.14	—	0.14	—	669	669	0.03	0.01	—	671
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	0.06	0.59	0.66	< 0.005	0.03	—	0.03	0.03	—	0.03	—	111	111	< 0.005	< 0.005	—	111
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	4.53	4.11	4.99	55.9	0.00	0.00	0.66	0.66	0.00	0.00	0.00	—	10,974	10,974	0.53	0.40	1.32	11,109
Vendor	0.28	0.16	6.88	2.10	0.04	0.08	0.32	0.40	0.08	0.12	0.20	—	5,626	5,626	0.12	0.84	0.41	5,878
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	0.57	0.52	0.64	7.46	0.00	0.00	0.08	0.08	0.00	0.00	0.00	—	1,414	1,414	0.07	0.05	2.80	1,434
Vendor	0.04	0.02	0.88	0.26	0.01	0.01	0.04	0.05	0.01	0.02	0.03	—	715	715	0.02	0.11	0.86	748
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	0.10	0.09	0.12	1.36	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	234	234	0.01	0.01	0.46	237
Vendor	0.01	< 0.005	0.16	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	118	118	< 0.005	0.02	0.14	124
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.10	2.59	24.3	28.5	0.05	1.08	—	1.08	0.99	—	0.99	—	5,261	5,261	0.21	0.04	—	5,279
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	3.10	2.59	24.3	28.5	0.05	1.08	—	1.08	0.99	—	0.99	—	5,261	5,261	0.21	0.04	—	5,279

Ramona Gateway Commerce Center Detailed Report, 6/16/2022

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	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.75	0.63	5.91	6.91	0.01	0.26	—	0.26	0.24	—	0.24	—	1,277	1,277	0.05	0.01	—	1,281	
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	0.11	1.08	1.26	< 0.005	0.05	—	0.05	0.04	—	0.04	—	211	211	0.01	< 0.005	—	212	
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	4.57	4.17	3.93	67.9	0.00	0.00	0.66	0.66	0.00	0.00	0.00	—	11,702	11,702	0.49	0.40	46.4	11,881	
Vendor	0.25	0.16	6.30	1.96	0.04	0.08	0.32	0.40	0.08	0.12	0.20	—	5,558	5,558	0.12	0.83	15.7	5,824	
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	4.34	3.92	4.62	51.3	0.00	0.00	0.66	0.66	0.00	0.00	0.00	—	10,754	10,754	0.51	0.40	1.20	10,888	
Vendor	0.24	0.16	6.59	2.00	0.04	0.08	0.32	0.40	0.08	0.12	0.20	—	5,561	5,561	0.12	0.84	0.41	5,814	
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	1.05	0.95	1.12	13.1	0.00	0.00	0.16	0.16	0.00	0.00	0.00	—	2,643	2,643	0.12	0.10	4.87	2,680	
Vendor	0.06	0.04	1.60	0.48	0.01	0.02	0.08	0.10	0.02	0.03	0.05	—	1,349	1,349	0.03	0.20	1.63	1,412	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	

Worker	0.19	0.17	0.20	2.39	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	438	438	0.02	0.02	0.81	444
Vendor	0.01	0.01	0.29	0.09	< 0.005	< 0.005	0.01	0.02	< 0.005	0.01	0.01	—	223	223	< 0.005	0.03	0.27	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

### 3.9. 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	3.10	2.59	24.3	28.5	0.05	1.08	—	1.08	0.99	—	0.99	—	5,261	5,261	0.21	0.04	—	5,279
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.34	0.28	2.67	3.12	0.01	0.12	—	0.12	0.11	—	0.11	—	577	577	0.02	< 0.005	—	578
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	0.05	0.49	0.57	< 0.005	0.02	—	0.02	0.02	—	0.02	—	95.4	95.4	< 0.005	< 0.005	—	95.8
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.57	4.17	3.93	67.9	0.00	0.00	0.66	0.66	0.00	0.00	0.00	—	11,702	11,702	0.49	0.40	46.4	11,881
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.47	0.43	0.51	5.92	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	1,194	1,194	0.06	0.04	2.20	1,210
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.08	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	198	198	0.01	0.01	0.36	200
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

### 3.11. Paving (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.03	1.70	15.6	20.1	0.03	0.78	—	0.78	0.72	—	0.72	—	3,023	3,023	0.12	0.02	—	3,034
Paving	—	2.59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.11	0.09	0.86	1.10	< 0.005	0.04	—	0.04	0.04	—	0.04	—	166	166	0.01	< 0.005	—	166	
Paving	—	0.14	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Off-Road Equipment	0.02	0.02	0.16	0.20	< 0.005	0.01	—	0.01	0.01	—	0.01	—	27.4	27.4	< 0.005	< 0.005	—	27.5	
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.17	0.15	0.14	2.50	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	432	432	0.02	0.01	1.71	438	
Vendor	0.04	0.02	0.95	0.30	0.01	0.01	0.05	0.06	0.01	0.02	0.03	—	838	838	0.02	0.13	2.36	879	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.01	0.01	0.01	0.11	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	22.0	22.0	< 0.005	< 0.005	0.04	22.3	
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	45.9	45.9	< 0.005	0.01	0.06	48.1	

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	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	3.65	3.65	< 0.005	< 0.005	0.01	3.70	
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.61	7.61	< 0.005	< 0.005	0.01	7.96	
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. Architectural Coating (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.36	2.42	3.06	< 0.005	0.08	—	0.08	0.08	—	0.08	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	29.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.36	2.42	3.06	< 0.005	0.08	—	0.08	0.08	—	0.08	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	29.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.05	0.04	0.27	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	39.0	39.0	< 0.005	< 0.005	—	39.2
Architectural Coatings	—	3.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.06	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.46	6.46	< 0.005	< 0.005	—	6.48
Architectural Coatings	—	0.59	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	1.83	1.67	1.57	27.2	0.00	0.00	0.27	0.27	0.00	0.00	0.00	—	4,681	4,681	0.20	0.16	18.6	4,752
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.74	1.57	1.85	20.5	0.00	0.00	0.27	0.27	0.00	0.00	0.00	—	4,302	4,302	0.20	0.16	0.48	4,355
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.20	2.37	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	477	477	0.02	0.02	0.88	484
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.04	0.43	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	—	79.0	79.0	< 0.005	< 0.005	0.15	80.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

## 4. Operations Emissions Details

### 4.1. Mobile Emissions by Land Use

#### 4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	0.68	0.66	0.14	2.62	0.01	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	517	517	0.02	0.01	2.03	524
Unrefrigerated Warehouse-No Rail	16.2	15.7	3.31	62.6	0.12	0.06	0.55	0.61	0.05	0.17	0.22	—	12,371	12,371	0.51	0.33	48.4	12,532
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Fast Food Restaurant w/o Drive Thru	25.7	24.8	10.0	88.2	0.19	0.15	1.04	1.19	0.14	0.32	0.46	—	19,706	19,706	0.96	0.94	78.7	20,089
Fast Food Restaurant with Drive Thru	31.9	30.7	12.6	112	0.25	0.20	1.36	1.56	0.18	0.42	0.61	—	25,820	25,820	1.16	1.19	104	26,308
Automobile Care Center	3.16	3.05	1.21	10.6	0.02	0.02	0.12	0.14	0.02	0.04	0.05	—	2,280	2,280	0.12	0.11	9.06	2,326
Convenience Market with Gas Pumps	4.44	4.28	1.76	15.7	0.04	0.03	0.19	0.22	0.03	0.06	0.08	—	3,601	3,601	0.16	0.17	14.5	3,669
User Defined Industrial	2.24	1.36	48.8	11.9	0.43	0.80	3.35	4.15	0.77	1.07	1.84	—	46,562	46,562	0.78	7.12	124	48,827
Total	84.3	80.5	77.8	304	1.06	1.25	6.63	7.89	1.19	2.08	3.27	—	110,856	110,856	3.71	9.89	380	114,275
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	0.66	0.64	0.15	2.18	< 0.005	< 0.005	0.02	0.03	< 0.005	0.01	0.01	—	478	478	0.02	0.01	0.05	483
Unrefrigerated Warehouse-No Rail	15.9	15.4	3.66	52.2	0.11	0.06	0.55	0.61	0.05	0.17	0.22	—	11,427	11,427	0.54	0.36	1.26	11,548

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	24.7	23.7	10.7	76.1	0.18	0.15	1.04	1.19	0.14	0.32	0.46	—	18,517	18,517	1.01	0.98	2.04	18,835	
Fast Food Restaurant with Drive Thru	30.8	29.6	13.5	95.7	0.24	0.20	1.36	1.56	0.18	0.42	0.61	—	24,253	24,253	1.22	1.24	2.69	24,654	
Automobile Care Center	3.02	2.91	1.30	9.24	0.02	0.02	0.12	0.14	0.02	0.04	0.05	—	2,144	2,144	0.13	0.12	0.23	2,182	
Convenience Market with Gas Pumps	4.29	4.13	1.89	13.3	0.03	0.03	0.19	0.22	0.03	0.06	0.08	—	3,382	3,382	0.17	0.17	0.37	3,438	
User Defined Industrial	2.20	1.33	50.9	11.9	0.43	0.80	3.35	4.15	0.77	1.07	1.84	—	46,572	46,572	0.77	7.12	3.21	48,718	
Total	81.5	77.7	82.1	261	1.02	1.25	6.63	7.89	1.19	2.08	3.28	—	106,772	106,772	3.86	10.00	9.85	109,858	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Refrigerated Warehouse-No Rail	0.12	0.11	0.03	0.41	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	80.0	80.0	< 0.005	< 0.005	0.14	81.0	

Unrefrigerated Warehouse-No Rail	2.83	2.74	0.69	9.91	0.02	0.01	0.10	0.11	0.01	0.03	0.04	—	1,915	1,915	0.09	0.06	3.46	1,938
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	3.12	3.00	1.41	10.2	0.02	0.02	0.13	0.15	0.02	0.04	0.06	—	2,190	2,190	0.12	0.12	3.98	2,232
Fast Food Restaurant with Drive Thru	5.49	5.28	2.51	18.1	0.04	0.04	0.25	0.28	0.03	0.08	0.11	—	4,053	4,053	0.20	0.21	7.41	4,127
Automobile Care Center	0.54	0.52	0.24	1.74	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	357	357	0.02	0.02	0.65	364
Convenience Market with Gas Pumps	0.77	0.74	0.35	2.52	0.01	< 0.005	0.03	0.04	< 0.005	0.01	0.02	—	565	565	0.03	0.03	1.03	576
User Defined Industrial	0.40	0.24	9.39	2.17	0.08	0.15	0.61	0.76	0.14	0.20	0.34	—	7,710	7,710	0.13	1.18	8.83	8,073
Total	13.3	12.6	14.6	45.0	0.18	0.22	1.16	1.38	0.21	0.36	0.57	—	16,870	16,870	0.59	1.61	25.5	17,391

4.2. Energy



4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	992	992	0.09	0.01	—	998
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	3,968	3,968	0.38	0.05	—	3,991
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	342	342	0.03	< 0.005	—	344
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	634	634	0.06	0.01	—	638
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	32.2	32.2	< 0.005	< 0.005	—	32.4

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	490	490	0.05	0.01	—	493
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	6,459	6,459	0.61	0.07	—	6,497
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	992	992	0.09	0.01	—	998
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	3,968	3,968	0.38	0.05	—	3,991
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	342	342	0.03	< 0.005	—	344
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	634	634	0.06	0.01	—	638

Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	32.2	32.2	< 0.005	< 0.005	—	32.4
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	490	490	0.05	0.01	—	493
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	6,459	6,459	0.61	0.07	—	6,497
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	164	164	0.02	< 0.005	—	165
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	657	657	0.06	0.01	—	661
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	56.6	56.6	0.01	< 0.005	—	57.0

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	105	105	0.01	< 0.005	—	106
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	5.33	5.33	< 0.005	< 0.005	—	5.36
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	81.2	81.2	0.01	< 0.005	—	81.6
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,069	1,069	0.10	0.01	—	1,076

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

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

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	0.07	0.03	0.62	0.52	< 0.005	0.05	—	0.05	0.05	—	0.05	—	735	735	0.07	< 0.005	—	737
Fast Food Restaurant with Drive Thru	0.13	0.06	1.14	0.96	0.01	0.09	—	0.09	0.09	—	0.09	—	1,362	1,362	0.12	< 0.005	—	1,365
Automobile Care Center	0.01	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	91.1	91.1	0.01	< 0.005	—	91.3
Convenience Market with Gas Pumps	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	187	187	0.02	< 0.005	—	187
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.22	0.11	1.99	1.67	0.01	0.15	—	0.15	0.15	—	0.15	—	2,374	2,374	0.21	< 0.005	—	2,381
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Unrefrigerated Warehouse No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	0.07	0.03	0.62	0.52	< 0.005	0.05	—	0.05	0.05	—	0.05	—	735	735	0.07	< 0.005	—	737
Fast Food Restaurant with Drive Thru	0.13	0.06	1.14	0.96	0.01	0.09	—	0.09	0.09	—	0.09	—	1,362	1,362	0.12	< 0.005	—	1,365
Automobile Care Center	0.01	< 0.005	0.08	0.06	< 0.005	0.01	—	0.01	0.01	—	0.01	—	91.1	91.1	0.01	< 0.005	—	91.3
Convenience Market with Gas Pumps	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	187	187	0.02	< 0.005	—	187
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.22	0.11	1.99	1.67	0.01	0.15	—	0.15	0.15	—	0.15	—	2,374	2,374	0.21	< 0.005	—	2,381
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Unrefrige Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	0.01	0.01	0.11	0.09	< 0.005	0.01	—	0.01	0.01	—	0.01	—	122	122	0.01	< 0.005	—	122
Fast Food Restaurant with Drive Thru	0.02	0.01	0.21	0.17	< 0.005	0.02	—	0.02	0.02	—	0.02	—	225	225	0.02	< 0.005	—	226
Automobile Care Center	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	15.1	15.1	< 0.005	< 0.005	—	15.1
Convenience Market with Gas Pumps	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	30.9	30.9	< 0.005	< 0.005	—	31.0
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.04	0.02	0.36	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	393	393	0.03	< 0.005	—	394

### 4.3. Area Emissions by Source

#### 4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	34.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	41.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	15.0	13.8	0.71	84.2	0.01	0.11	—	0.11	0.15	—	0.15	—	347	347	0.01	< 0.005	—	348
Total	15.0	89.9	0.71	84.2	0.01	0.11	—	0.11	0.15	—	0.15	—	347	347	0.01	< 0.005	—	348
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	34.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	41.5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	76.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	1.51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.87	1.73	0.09	10.5	< 0.005	0.01	—	0.01	0.02	—	0.02	—	39.3	39.3	< 0.005	< 0.005	—	39.4



Total	1.87	10.8	0.09	10.5	< 0.005	0.01	—	0.01	0.02	—	0.02	—	39.3	39.3	< 0.005	< 0.005	—	39.4
-------	------	------	------	------	---------	------	---	------	------	---	------	---	------	------	---------	---------	---	------

#### 4.4. Water Emissions by Land Use

##### 4.4.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	21.1	95.0	116	2.17	0.05	—	186
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	400	1,357	1,757	41.1	0.99	—	3,081
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	5.93	20.1	26.1	0.61	0.01	—	45.7
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	11.0	37.3	48.3	1.13	0.03	—	84.7

Automob Care Center	—	—	—	—	—	—	—	—	—	—	—	0.63	2.15	2.79	0.07	< 0.005	—	4.89
Convenie nce Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.32	1.09	1.41	0.03	< 0.005	—	2.47
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	439	1,513	1,952	45.2	1.09	—	3,405
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigera ted Warehou se-No Rail	—	—	—	—	—	—	—	—	—	—	—	21.1	95.0	116	2.17	0.05	—	186
Unrefrige rated Warehou se-No Rail	—	—	—	—	—	—	—	—	—	—	—	400	1,357	1,757	41.1	0.99	—	3,081
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	5.93	20.1	26.1	0.61	0.01	—	45.7

Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	11.0	37.3	48.3	1.13	0.03	—	84.7
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.63	2.15	2.79	0.07	< 0.005	—	4.89
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.32	1.09	1.41	0.03	< 0.005	—	2.47
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	439	1,513	1,952	45.2	1.09	—	3,405
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	3.49	15.7	19.2	0.36	0.01	—	30.8
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	66.2	225	291	6.81	0.16	—	510
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	0.98	3.33	4.32	0.10	< 0.005	—	7.57
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	1.82	6.18	8.00	0.19	< 0.005	—	14.0
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	0.11	0.36	0.46	0.01	< 0.005	—	0.81
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.05	0.18	0.23	0.01	< 0.005	—	0.41
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	72.7	251	323	7.48	0.18	—	564

### 4.5. Waste Emissions by Land Use

#### 4.5.2. Unmitigated

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

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

Refrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	24.1	0.00	24.1	2.41	0.00	—	84.2
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	457	0.00	457	45.7	0.00	—	1,600
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	63.3	0.00	63.3	6.33	0.00	—	222
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	117	0.00	117	11.7	0.00	—	411
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	7.25	0.00	7.25	0.72	0.00	—	25.4
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	3.65	0.00	3.65	0.37	0.00	—	12.8
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	673	0.00	673	67.3	0.00	—	2,354

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	24.1	0.00	24.1	2.41	0.00	—	84.2
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	457	0.00	457	45.7	0.00	—	1,600
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	63.3	0.00	63.3	6.33	0.00	—	222
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	117	0.00	117	11.7	0.00	—	411
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	7.25	0.00	7.25	0.72	0.00	—	25.4
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	3.65	0.00	3.65	0.37	0.00	—	12.8

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	673	0.00	673	67.3	0.00	—	2,354
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	3.98	0.00	3.98	0.40	0.00	—	13.9
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	75.7	0.00	75.7	7.57	0.00	—	265
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	10.5	0.00	10.5	1.05	0.00	—	36.7
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	19.4	0.00	19.4	1.94	0.00	—	68.0
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	1.20	0.00	1.20	0.12	0.00	—	4.20

Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	0.60	0.00	0.60	0.06	0.00	—	2.12
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	111	0.00	111	11.1	0.00	—	390

### 4.6. Refrigerant Emissions by Land Use

#### 4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48.4	48.4
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.9	15.9
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	29.5	29.5



Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	730	730
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	954	954
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,777	1,777
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	48.4	48.4
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15.9	15.9
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	29.5	29.5
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	730	730
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	954	954
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1,777	1,777

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.02	8.02
Fast Food Restaurant w/o Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.64	2.64
Fast Food Restaurant with Drive Thru	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4.89	4.89
Automobile Care Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	121	121
Convenience Market with Gas Pumps	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	158	158
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	294	294

### 4.7. Offroad Emissions By Equipment Type

#### 4.7.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.16	0.16	3.37	6.79	0.01	0.03	—	0.03	0.03	—	0.03	—	1,373	1,373	0.06	0.01	—	1,378
Total	0.16	0.16	3.37	6.79	0.01	0.03	—	0.03	0.03	—	0.03	—	1,373	1,373	0.06	0.01	—	1,378
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.16	0.16	3.37	6.79	0.01	0.03	—	0.03	0.03	—	0.03	—	1,373	1,373	0.06	0.01	—	1,378
Total	0.16	0.16	3.37	6.79	0.01	0.03	—	0.03	0.03	—	0.03	—	1,373	1,373	0.06	0.01	—	1,378
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.03	0.03	0.61	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	227	227	0.01	< 0.005	—	228
Total	0.03	0.03	0.61	1.24	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	227	227	0.01	< 0.005	—	228

### 4.8. Stationary Emissions By Equipment Type

#### 4.8.1. Unmitigated

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

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

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

### 4.9. User Defined Emissions By Equipment Type

#### 4.9.1. Unmitigated

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

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

### 4.10. Soil Carbon Accumulation By Vegetation Type

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

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

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

Daily, Summer (Max)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Daily, Winter (Max)	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Annual	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
Total	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

## 5. Activity Data

### 5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	7/3/2023	7/21/2023	5.00	15.0	—
Grading	Grading	7/22/2023	10/27/2023	5.00	70.0	—
Building Construction/Vertical Construction	Building Construction	10/28/2023	5/3/2024	5.00	135	—
Landscaping/Tenant Improvements	Building Construction	5/11/2024	7/5/2024	5.00	40.0	—
Paving	Paving	5/4/2024	5/31/2024	5.00	20.0	—
Architectural Coating	Architectural Coating	3/18/2024	5/10/2024	5.00	40.0	—

### 5.2. Off-Road Equipment

#### 5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Average	5.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	3.00	8.00	423	0.48

Building Construction/Vertical Construction	Cranes	Diesel	Average	2.00	8.00	367	0.29
Building Construction/Vertical Construction	Forklifts	Diesel	Average	6.00	8.00	82.0	0.20
Building Construction/Vertical Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Building Construction/Vertical Construction	Tractors/Loaders/Backhoes	Diesel	Average	6.00	8.00	84.0	0.37
Building Construction/Vertical Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	4.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	4.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	4.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	2.00	8.00	37.0	0.48
Landscaping/Tenant Improvements	Cranes	Diesel	Average	2.00	8.00	367	0.29
Landscaping/Tenant Improvements	Forklifts	Diesel	Average	6.00	8.00	82.0	0.20
Landscaping/Tenant Improvements	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74
Landscaping/Tenant Improvements	Tractors/Loaders/Backhoes	Diesel	Average	6.00	8.00	84.0	0.37
Landscaping/Tenant Improvements	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Site Preparation	Crawler Tractors	Diesel	Average	6.00	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Average	3.00	8.00	87.0	0.43

### 5.3. Construction Vehicles



5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	27.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	20.0	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	32.5	18.5	LDA,LDT1,LDT2
Grading	Vendor	93.0	10.2	HHDT,MHDT
Grading	Hauling	0.00	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction/Vertical Construction	—	—	—	—
Building Construction/Vertical Construction	Worker	813	18.5	LDA,LDT1,LDT2
Building Construction/Vertical Construction	Vendor	179	10.2	HHDT,MHDT
Building Construction/Vertical Construction	Hauling	0.00	20.0	HHDT
Building Construction/Vertical Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	27.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	325	18.5	LDA,LDT1,LDT2

Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Landscaping/Tenant Improvements	—	—	—	—
Landscaping/Tenant Improvements	Worker	813	18.5	LDA,LDT1,LDT2
Landscaping/Tenant Improvements	Vendor	0.00	10.2	HHDT,MHDT
Landscaping/Tenant Improvements	Hauling	0.00	20.0	HHDT
Landscaping/Tenant Improvements	Onsite truck	—	—	HHDT

## 5.4. Vehicles

### 5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

## 5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	1,519,894	506,631	51,645

## 5.6. Dust Mitigation

### 5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	0.00	0.00	300	0.00	—
Grading	0.00	0.00	1,400	0.00	—
Paving	0.00	0.00	0.00	0.00	19.8

### 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
Refrigerated Warehouse-No Rail	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Other Asphalt Surfaces	13.7	100%
Parking Lot	6.08	100%
Fast Food Restaurant w/o Drive Thru	0.00	0%
Fast Food Restaurant with Drive Thru	0.00	0%
Automobile Care Center	0.00	0%
Convenience Market with Gas Pumps	0.00	0%
User Defined Industrial	0.00	0%

### 5.8. Construction Electricity Consumption and Emissions Factors

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

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	349	0.03	< 0.005
2024	0.00	349	0.03	< 0.005

### 5.9. Operational Mobile Sources

#### 5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Refrigerated Warehouse-No Rail	66.0	66.0	66.0	24,104	682	682	682	248,876

Unrefrigerated Warehouse-No Rail	1,580	1,580	1,580	576,606	16,311	16,311	16,311	5,953,457
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Fast Food Restaurant w/o Drive Thru	2,004	3,095	2,224	799,833	14,518	22,426	16,111	5,794,593
Fast Food Restaurant with Drive Thru	3,442	3,442	3,442	1,256,355	29,522	29,522	29,522	10,775,441
Automobile Care Center	423	424	424	154,440	2,569	2,580	2,580	938,881
Convenience Market with Gas Pumps	480	480	480	175,200	4,117	4,117	4,117	1,502,647
User Defined Industrial	379	379	379	138,385	15,166	15,166	15,166	5,535,412

## 5.10. Operational Area Sources

### 5.10.1. Hearths

#### 5.10.1.1. Unmitigated

### 5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	2,945,230	981,743	51,645

### 5.10.3. Landscape Equipment

Season	Unit	Value
--------	------	-------

Snow Days	day/yr	0.00
Summer Days	day/yr	250

## 5.11. Operational Energy Consumption

### 5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Refrigerated Warehouse-No Rail	1,039,022	349	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	4,154,589	349	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00
Parking Lot	0.00	349	0.0330	0.0040	0.00
Fast Food Restaurant w/o Drive Thru	358,172	349	0.0330	0.0040	1,146,539
Fast Food Restaurant with Drive Thru	663,672	349	0.0330	0.0040	2,124,470
Automobile Care Center	33,683	349	0.0330	0.0040	142,082
Convenience Market with Gas Pumps	513,276	349	0.0330	0.0040	291,388
User Defined Industrial	0.00	349	0.0330	0.0040	0.00

## 5.12. Operational Water and Wastewater Consumption

### 5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Refrigerated Warehouse-No Rail	10,986,688	4,655,142
Unrefrigerated Warehouse-No Rail	208,751,688	0.00
Other Asphalt Surfaces	0.00	0.00

Parking Lot	0.00	0.00
Fast Food Restaurant w/o Drive Thru	3,096,044	0.00
Fast Food Restaurant with Drive Thru	5,736,787	0.00
Automobile Care Center	331,165	0.00
Convenience Market with Gas Pumps	167,315	0.00
User Defined Industrial	0.00	0.00

### 5.13. Operational Waste Generation

#### 5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Refrigerated Warehouse-No Rail	44.7	0.00
Unrefrigerated Warehouse-No Rail	849	0.00
Other Asphalt Surfaces	0.00	0.00
Parking Lot	0.00	0.00
Fast Food Restaurant w/o Drive Thru	117	0.00
Fast Food Restaurant with Drive Thru	218	0.00
Automobile Care Center	13.4	0.00
Convenience Market with Gas Pumps	6.78	0.00
User Defined Industrial	0.00	0.00

### 5.14. Operational Refrigeration and Air Conditioning Equipment

#### 5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Refrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0

Fast Food Restaurant w/o Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant w/o Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant w/o Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Fast Food Restaurant with Drive Thru	Household refrigerators and/or freezers	R-134a	1,430	0.00	0.60	0.00	1.00
Fast Food Restaurant with Drive Thru	Other commercial A/C and heat pumps	R-410A	2,088	1.80	4.00	4.00	18.0
Fast Food Restaurant with Drive Thru	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Automobile Care Center	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Automobile Care Center	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0
Convenience Market with Gas Pumps	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Convenience Market with Gas Pumps	Supermarket refrigeration and condensing units	R-404A	3,922	26.5	16.5	16.5	18.0

## 5.15. Operational Off-Road Equipment

### 5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	4.00	4.00	200	0.37

## 5.16. Stationary Sources

### 5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
----------------	-----------	----------------	---------------	----------------	------------	-------------

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)
----------------	-----------	--------	--------------------------	------------------------------	------------------------------

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

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

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

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

5.18.2. Sequestration

5.18.2.1. Unmitigated

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



## 6. Climate Risk Detailed Report

### 6.1. Climate Risk Summary

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

Climate Hazard	Result for Project Location	Unit
Temperature and Extreme Heat	29.1	annual days of extreme heat
Extreme Precipitation	1.95	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	6.36	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	4	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	4	1	1	4
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	53.3
AQ-DPM	47.8
Drinking Water	10.2
Lead Risk Housing	22.0
Pesticides	58.8
Toxic Releases	37.7
Traffic	81.9
Effect Indicators	—
CleanUp Sites	69.4
Groundwater	0.00
Haz Waste Facilities/Generators	53.5
Impaired Water Bodies	0.00
Solid Waste	40.1
Sensitive Population	—
Asthma	65.6
Cardio-vascular	90.6
Low Birth Weights	62.9
Socioeconomic Factor Indicators	—
Education	74.7
Housing	57.9
Linguistic	53.4
Poverty	64.5
Unemployment	15.8

## 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	36.04516874
Employed	38.00846914
Education	—
Bachelor's or higher	28.6154241
High school enrollment	100
Preschool enrollment	5.440780187
Transportation	—
Auto Access	94.58488387
Active commuting	6.723983062
Social	—
2-parent households	87.71974849
Voting	9.636853587
Neighborhood	—
Alcohol availability	84.04978827
Park access	11.88245862
Retail density	29.21852945
Supermarket access	12.06210702
Tree canopy	0.590273322
Housing	—
Homeownership	79.23777749
Housing habitability	40.67753112
Low-inc homeowner severe housing cost burden	12.19042731
Low-inc renter severe housing cost burden	27.61452586
Uncrowded housing	47.8121391
Health Outcomes	—

Insured adults	26.49813936
Arthritis	79.8
Asthma ER Admissions	42.9
High Blood Pressure	64.8
Cancer (excluding skin)	87.6
Asthma	27.9
Coronary Heart Disease	81.5
Chronic Obstructive Pulmonary Disease	59.8
Diagnosed Diabetes	52.6
Life Expectancy at Birth	37.8
Cognitively Disabled	88.7
Physically Disabled	83.0
Heart Attack ER Admissions	7.5
Mental Health Not Good	28.5
Chronic Kidney Disease	64.9
Obesity	17.5
Pedestrian Injuries	92.5
Physical Health Not Good	37.9
Stroke	70.4
Health Risk Behaviors	—
Binge Drinking	30.9
Current Smoker	25.4
No Leisure Time for Physical Activity	29.5
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	35.2

Elderly	90.4
English Speaking	42.3
Foreign-born	59.5
Outdoor Workers	11.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	72.4
Traffic Density	65.3
Traffic Access	23.0
Other Indices	—
Hardship	70.6
Other Decision Support	—
2016 Voting	23.4

### 7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	69.0
Healthy Places Index Score for Project Location (b)	30.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

### 7.4. Health & Equity Measures

No Health & Equity Measures selected.

### 7.5. Evaluation Scorecard

Health and Equity Evaluation Scorecard not completed.

## 8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction schedule based on input from Project team.
Construction: Off-Road Equipment	Equipment adjusted based on changes made to the construction schedule
Construction: Dust From Material Movement	Analysis conservatively assumed that up to 20 acres can be disturbed per day
Construction: Architectural Coatings	PVCC SP EIR MM Air 9: Super-Compliant VOC Paint (10 g/L) for nonresidential interior and exterior surfaces
Operations: Vehicle Data	Trip characteristics based on information provided in the Traffic analysis
Operations: Fleet Mix	Fleet characteristics based on information provided in the Traffic analysis
Operations: Off-Road Equipment	Based on SCAQMD High Cube Warehouse Truck Trip Study White Paper Summary of Business Survey Results (2014)
Operations: Off-Road Equipment EF	Emission Factors based on CalEEmod 2020
Operations: Energy Use	Industrial uses will not use natural gas
Operations: Refrigerants	Per 17 CCR 95371, new refrigeration equipment containing >50 lbs of refrigerant in new facilities is prohibited from utilizing refrigerants with a GWP of 150 or greater as of 1 Jan 2022.
Construction: Trips and VMT	Vendor trips apportioned based on number of days for each phase.

*This page intentionally left blank*



## **APPENDIX 3.2:**

### **EMFAC EMISSIONS SUMMARY**

Emissions	Phase	Lb/Day	# Days	Emissions	Avg/Lb Day	Avg/Hourly
On-Site	Site Preparation	4.06	15	60.9	4.06	0.5075
Exhaust PM-10	Grading	3.30	70	231	3.3	0.4125
	Building Construction	1.14	135	153.225	1.135	0.141875
	Paving	0.78	20	15.6	0.78	0.0975
	Architectural Coatings	0.08	40	3.2	0.08	0.01
	Landscaping/Tenant Improvements	1.08	40	43.2	1.08	0.135
			10.44	265	507.125	1.913679245
Off-Site	Site Preparation	1.00E-02	15	0.15	0.01	0.00125
Exhaust PM-10	Grading	4.00E-02	70	2.8	0.04	0.005
	Building Construction	8.00E-02	135	10.8	0.08	0.01
	Paving	5.00E-03	20	0.1	0.005	0.000625
	Architectural Coatings	0.00E+00	40	0	0	0
	Landscaping/Tenant Improvements	0.00E+00	40	0	0	0
			1.35E-01	265	13.85	0.052264151

Phase	Start Date	End Date	No. Days
Site Preparation	7/3/2023	7/21/2023	15
Grading	7/22/2023	10/27/2023	70
Building Construction	10/28/2023	5/3/2024	135
Paving	5/4/2024	5/31/2024	20
Arch Coatings	3/18/2024	5/10/2024	40
Landscaping/Tenant Improvements	5/11/2024	7/5/2024	40
<b>Total Days of Construction</b>			<b>265</b>

**AVERAGE EMISSION FACTOR  
RIVERSIDE COUNTY 2024**

Speed	LHD1	LHD2	MHD	HHD
0	0.364164	0.578609	0.061524	0.01271
5	0.048579	0.069107	0.036502	0.01206
25	0.022221	0.03303	0.009512	0.00621

Speed	Weighted Average Emissions
<b>0</b>	<b>0.06980</b>
<b>5</b>	<b>0.02004</b>
<b>25</b>	<b>0.00896</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 - West	189			0.0698	3.84	4.441E-05
On-Site Idling - East	189			0.0698	3.84	4.441E-05
On-Site Idling - Retail Bldg. 1	1			0.0698	0.08	8.953E-07
On-Site Idling - Retail Bldg. 2	1			0.0698	0.08	8.953E-07
On-Site Idling - Retail Bldg. 3	1			0.0698	0.08	8.953E-07
On-Site Idling - Retail Bldg. 4	1			0.0698	0.08	8.953E-07
On-Site Idling - Retail Bldg. 5	1			0.0698	0.08	8.953E-07
On-Site Idling - Retail Bldg. 6	1			0.0698	0.08	8.953E-07
On-Site Idling - Retail Bldg. 7	1			0.0698	0.08	8.953E-07
On-Site Idling - Retail Bldg. 8	1			0.0698	0.02	2.020E-07
On-Site Idling - Retail Fuel Deliveries	1			0.0698	0.02	2.020E-07
On-Site Travel - West 50%	189	38.20	0.0200		0.81	9.365E-06
On-Site Travel - East 50%	189	70.48	0.0200		1.49	1.728E-05
On-Site Travel - Driveway 3 50%	189	6.06	0.0200		0.13	1.486E-06
On-Site Travel - Driveway 2 50%	189	5.60	0.0200		0.12	1.373E-06
On-Site Travel - Retail	9	1.96	0.0200		0.08	8.751E-07
Off-Site Travel Nevada Ave Retail Inbound/Outbound	9	0.23	0.0090		0.00	4.706E-08
Off-Site Travel Nevada Ave 50% Inbound/Outbound	198	30.97	0.0090		0.29	3.350E-06
Off-Site Travel Nevada Ave 100% Inbound/Outbound	387	619.72	0.0090		5.74	6.648E-05

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

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

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

calendar_y	season_m	sub_area	vehicle_class	fuel	temperatu	relative_h	process	speed_tim	pollutant	emission_rate
2024	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	5	PM10	0.012665
2024	Annual	Riverside (	HHDT	Dsl	60	70	RUNEX	25	PM10	0.006524
2024	Annual	Riverside (	HHDT	Dsl			IDLEX		PM10	0.013354
2024	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	5	PM10	0.105382
2024	Annual	Riverside (	LHDT1	Dsl	60	70	RUNEX	25	PM10	0.048204
2024	Annual	Riverside (	LHDT1	Dsl			IDLEX		PM10	0.789975
2024	Annual	Riverside (	LHDT2	Dsl	60	70	RUNEX	5	PM10	0.094294
2024	Annual	Riverside (	LHDT2	Dsl	60	70	RUNEX	25	PM10	0.045068
2024	Annual	Riverside (	LHDT2	Dsl			IDLEX		PM10	0.789487
2024	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	5	PM10	0.040436
2024	Annual	Riverside (	MHDT	Dsl	60	70	RUNEX	25	PM10	0.010537
2024	Annual	Riverside (	MHDT	Dsl			IDLEX		PM10	0.068154

Source: EMFAC2021 (v1.0.2) Emissions Inventory

Region Type: Sub-Area

Region: Riverside (SC)

Calendar Year: 2024

Season: Annual

Vehicle Classification: EMFAC2007 Categories

Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1

Region	Calendar	Vehicle C	Model Year	Speed	Fuel	Population
Riverside	2024	HHDT	Aggregate	Aggregate	Gasoline	7.589476
Riverside	2024	HHDT	Aggregate	Aggregate	Diesel	14792.02
Riverside	2024	HHDT	Aggregate	Aggregate	Natural Gas	740.0705
Riverside	2024	LHDT1	Aggregate	Aggregate	Gasoline	17828.74
Riverside	2024	LHDT1	Aggregate	Aggregate	Diesel	15247.61
Riverside	2024	LHDT2	Aggregate	Aggregate	Gasoline	2494.679
Riverside	2024	LHDT2	Aggregate	Aggregate	Diesel	6844.928
Riverside	2024	MHDT	Aggregate	Aggregate	Gasoline	1238.003
Riverside	2024	MHDT	Aggregate	Aggregate	Diesel	12954.37
Riverside	2024	MHDT	Aggregate	Aggregate	Natural Gas	158.0466

HHDT% GAS/NG	0.04811
HHDT% DSL	0.95189
LHDT1% GAS	0.53902
LHDT1% DSL	0.46098
LHDT2% GAS	0.26711
LHDT2% DSL	0.73289
MHDT% GAS	0.09728
MHDT% DSL	0.90272

## Gasoline Dispensing Emissions

### Emission Factors

Pollutant		Loading	Breathing	Refueling	Hose Perm.	Spillage	Total
ROG (lbs/1000 gal)		0.15	0.024	0.32	0.009	0.24	0.743
Benzene	%wt	0.455%	0.455%	0.455%	0.455%	0.707%	
	EF (lbs/1000gal)	0.000683	0.000109	0.001456	0.000041	0.001697	0.003985
Ethyl Benzene	%wt	0.107%	0.107%	0.107%	0.107%	1.29%	
	EF (lbs/1000gal)	0.0001605	0.00002568	0.0003424	0.00000963	0.003096	0.0036342
Naphthalene	%wt	0.0004%	0.0004%	0.0004%	0.0004%	0.17%	
	EF (lbs/1000gal)	0.0000006	0.000000096	0.00000128	3.6E-08	0.0004176	0.0004196

Source: SCAQMD Risk Assessment Procedures for Rule 1401, 1401.1, and 212, Table X-1 (<http://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf?sfvrsn=12>)

### Emissions

Annual Throughput: 1,200 1000 gals  
 Max Hourly 2.4 1000 gals

Pollutant	Emissions		
	lbs/yr	lbs/day	lbs/hr
ROG	891.60	2.44	1.783
Benzene	4.78	0.01	0.010
Ethyl Benzene	4.36	0.01	0.009
Naphthalene	0.50	0.00	0.001

Release Type	Source	Emissions (lbs/hr)		
		Benzene	Ethyl Benzene	Naphthalene
Refueling/Hose Permeation	REF1	1.796E-03	4.224E-04	1.579E-06
	REF2	1.796E-03	4.224E-04	1.579E-06
Spillage	SPILL1	2.036E-03	3.715E-03	5.011E-04
	SPILL2	2.036E-03	3.715E-03	5.011E-04
Loading	LOAD	1.638E-03	3.852E-04	1.440E-06
Breathing	BREATHE	2.621E-04	6.163E-05	2.304E-07

Release Type	Source	Emissions (lbs/yr)		
		Benzene	Ethyl Benzene	Naphthalene
Refueling/Hose Permeation	REF1	8.982E-01	2.112E-01	7.896E-04
	REF2	8.982E-01	2.112E-01	7.896E-04
Spillage	SPILL1	1.018E+00	1.858E+00	2.506E-01
	SPILL2	1.018E+00	1.858E+00	2.506E-01
Loading	LOAD	8.190E-01	1.926E-01	7.200E-04
Breathing	BREATHE	1.310E-01	3.082E-02	1.152E-04

*This page intentionally left blank*



## **APPENDIX 3.3:**

### **AERMOD MODEL INPUT/OUTPUT**

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 6/16/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998 Construction\13998
Construction.ADI
**

```

```

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

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998 Ops\13998 Ops.
MODELOPT DFAULT CONC
AVERTIME ANNUAL
URBANOPT 2189641
POLLUTID DPM
RUNORNOT RUN
ERRORFIL "13998 Construction.err"

```

```

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

```

SO STARTING

\*\* Source Location \*\*

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

LOCATION	VOL	VOLUME	X Coord.	Y Coord.
LOCATION VOL1	VOLUME	477079.395	3744890.193	454.000
LOCATION VOL2	VOLUME	477148.693	3744889.698	453.000
LOCATION VOL3	VOLUME	477218.734	3744890.193	453.000
LOCATION VOL4	VOLUME	477288.528	3744889.946	452.000
LOCATION VOL5	VOLUME	477357.826	3744889.946	451.350
LOCATION VOL6	VOLUME	477391.980	3744889.451	451.000
LOCATION VOL7	VOLUME	477392.723	3744820.152	451.000
LOCATION VOL8	VOLUME	477323.919	3744820.152	452.000
LOCATION VOL9	VOLUME	477254.868	3744820.152	452.000
LOCATION VOL10	VOLUME	477185.322	3744820.647	453.000
LOCATION VOL11	VOLUME	477116.024	3744820.895	454.000
LOCATION VOL12	VOLUME	477078.900	3744821.142	454.000
LOCATION VOL13	VOLUME	477079.890	3744751.101	454.000
LOCATION VOL14	VOLUME	477148.693	3744751.101	453.370
LOCATION VOL15	VOLUME	477217.497	3744751.349	453.000
LOCATION VOL16	VOLUME	477287.538	3744750.111	452.000
LOCATION VOL17	VOLUME	477356.836	3744749.616	451.430
LOCATION VOL18	VOLUME	477393.218	3744750.111	451.000
LOCATION VOL19	VOLUME	477116.519	3744681.555	454.000
LOCATION VOL20	VOLUME	477185.817	3744680.813	453.110
LOCATION VOL21	VOLUME	477255.116	3744680.070	452.820
LOCATION VOL22	VOLUME	477323.919	3744679.823	452.000
LOCATION VOL23	VOLUME	477393.218	3744680.813	451.190
LOCATION VOL24	VOLUME	477079.890	3744681.555	454.000
LOCATION VOL25	VOLUME	477080.632	3744611.514	454.000
LOCATION VOL26	VOLUME	477149.683	3744611.762	454.000
LOCATION VOL27	VOLUME	477218.982	3744612.009	453.000
LOCATION VOL28	VOLUME	477288.280	3744610.772	452.720
LOCATION VOL29	VOLUME	477357.084	3744611.019	452.000
LOCATION VOL30	VOLUME	477393.218	3744611.267	452.000

LOCATION	VOL	VOLUME	477392.970	3744541.473	452.000
LOCATION VOL32	VOLUME	477323.424	3744541.473	452.770	
LOCATION VOL33	VOLUME	477254.373	3744541.473	453.000	
LOCATION VOL34	VOLUME	477185.075	3744542.711	454.000	
LOCATION VOL35	VOLUME	477115.281	3744542.216	454.000	
LOCATION VOL36	VOLUME	477080.632	3744541.721	454.000	
LOCATION VOL37	VOLUME	477081.870	3744472.175	454.480	
LOCATION VOL38	VOLUME	477151.663	3744472.917	454.000	
LOCATION VOL39	VOLUME	477220.962	3744473.165	453.740	
LOCATION VOL40	VOLUME	477291.003	3744472.422	453.000	
LOCATION VOL41	VOLUME	477361.044	3744471.927	452.860	
LOCATION VOL42	VOLUME	477392.970	3744472.175	452.180	
LOCATION VOL43	VOLUME	477392.475	3744430.596	452.390	
LOCATION VOL44	VOLUME	477322.682	3744428.616	453.000	
LOCATION VOL45	VOLUME	477252.888	3744427.378	453.930	
LOCATION VOL46	VOLUME	477184.827	3744426.636	454.000	
LOCATION VOL47	VOLUME	477115.776	3744423.913	454.000	
LOCATION VOL48	VOLUME	477083.850	3744423.666	454.530	

\*\* -----  
 \*\* Line Source Represented by Adjacent Volume Sources  
 \*\* LINE VOLUME Source ID = SLINE1  
 \*\* DESCRSRC  
 \*\* PREFIX  
 \*\* Length of Side = 8.59  
 \*\* Configuration = Adjacent  
 \*\* Emission Rate = 0.0008231465  
 \*\* Vertical Dimension = 6.99  
 \*\* SZINIT = 3.25  
 \*\* Nodes = 24

\*\* 477038.006, 3744919.613, 454.00, 3.49, 4.00  
 \*\* 477037.087, 3744600.991, 454.93, 3.49, 4.00  
 \*\* 477040.457, 3744472.316, 455.00, 3.49, 4.00  
 \*\* 477045.665, 3744375.198, 455.03, 3.49, 4.00  
 \*\* 477049.648, 3744191.990, 456.00, 3.49, 4.00  
 \*\* 477053.018, 3744145.728, 456.06, 3.49, 4.00  
 \*\* 477063.128, 3744080.472, 456.09, 3.49, 4.00  
 \*\* 477076.302, 3744028.696, 456.84, 3.49, 4.00  
 \*\* 477105.713, 3743940.462, 456.58, 3.49, 4.00  
 \*\* 477173.727, 3743741.936, 457.05, 3.49, 4.00  
 \*\* 477277.586, 3743455.788, 456.95, 3.49, 4.00  
 \*\* 477336.102, 3743292.800, 455.11, 3.49, 4.00  
 \*\* 477351.420, 3743261.551, 455.76, 3.49, 4.00  
 \*\* 477368.271, 3743234.284, 455.02, 3.49, 4.00  
 \*\* 477402.890, 3743193.231, 454.90, 3.49, 4.00  
 \*\* 477439.348, 3743157.080, 454.07, 3.49, 4.00  
 \*\* 477619.186, 3743008.491, 451.78, 3.49, 4.00  
 \*\* 477748.473, 3742901.569, 450.00, 3.49, 4.00  
 \*\* 477796.879, 3742849.793, 449.03, 3.49, 4.00  
 \*\* 477829.660, 3742798.323, 448.76, 3.49, 4.00  
 \*\* 477844.366, 3742764.010, 448.09, 3.49, 4.00  
 \*\* 477861.216, 3742712.540, 448.00, 3.49, 4.00  
 \*\* 477868.263, 3742565.790, 448.26, 3.49, 4.00  
 \*\* 477552.091, 3742573.449, 452.97, 3.49, 4.00

\*\* -----  
 LOCATION L0000001 VOLUME 477037.994 3744915.318 454.00  
 LOCATION L0000002 VOLUME 477037.969 3744906.728 454.00  
 LOCATION L0000003 VOLUME 477037.944 3744898.138 454.00  
 LOCATION L0000004 VOLUME 477037.919 3744889.548 454.00  
 LOCATION L0000005 VOLUME 477037.895 3744880.958 454.00  
 LOCATION L0000006 VOLUME 477037.870 3744872.368 454.00  
 LOCATION L0000007 VOLUME 477037.845 3744863.778 454.00  
 LOCATION L0000008 VOLUME 477037.820 3744855.188 454.00  
 LOCATION L0000009 VOLUME 477037.795 3744846.598 454.00  
 LOCATION L0000010 VOLUME 477037.771 3744838.008 454.00  
 LOCATION L0000011 VOLUME 477037.746 3744829.418 454.00  
 LOCATION L0000012 VOLUME 477037.721 3744820.829 454.00

LOCATION	L0000013	VOLUME	477037.696	3744812.239	454.00
LOCATION	L0000014	VOLUME	477037.672	3744803.649	454.00
LOCATION	L0000015	VOLUME	477037.647	3744795.059	454.00
LOCATION	L0000016	VOLUME	477037.622	3744786.469	454.02
LOCATION	L0000017	VOLUME	477037.597	3744777.879	454.05
LOCATION	L0000018	VOLUME	477037.572	3744769.289	454.07
LOCATION	L0000019	VOLUME	477037.548	3744760.699	454.08
LOCATION	L0000020	VOLUME	477037.523	3744752.109	454.08
LOCATION	L0000021	VOLUME	477037.498	3744743.519	454.08
LOCATION	L0000022	VOLUME	477037.473	3744734.929	454.08
LOCATION	L0000023	VOLUME	477037.449	3744726.339	454.08
LOCATION	L0000024	VOLUME	477037.424	3744717.749	454.08
LOCATION	L0000025	VOLUME	477037.399	3744709.159	454.08
LOCATION	L0000026	VOLUME	477037.374	3744700.569	454.08
LOCATION	L0000027	VOLUME	477037.349	3744691.979	454.08
LOCATION	L0000028	VOLUME	477037.325	3744683.389	454.08
LOCATION	L0000029	VOLUME	477037.300	3744674.799	454.09
LOCATION	L0000030	VOLUME	477037.275	3744666.209	454.09
LOCATION	L0000031	VOLUME	477037.250	3744657.619	454.09
LOCATION	L0000032	VOLUME	477037.226	3744649.029	454.09
LOCATION	L0000033	VOLUME	477037.201	3744640.439	454.26
LOCATION	L0000034	VOLUME	477037.176	3744631.849	454.52
LOCATION	L0000035	VOLUME	477037.151	3744623.259	454.79
LOCATION	L0000036	VOLUME	477037.126	3744614.669	455.00
LOCATION	L0000037	VOLUME	477037.102	3744606.079	455.00
LOCATION	L0000038	VOLUME	477037.179	3744597.491	455.00
LOCATION	L0000039	VOLUME	477037.404	3744588.904	455.00
LOCATION	L0000040	VOLUME	477037.628	3744580.317	455.00
LOCATION	L0000041	VOLUME	477037.853	3744571.729	455.00
LOCATION	L0000042	VOLUME	477038.078	3744563.142	455.00
LOCATION	L0000043	VOLUME	477038.303	3744554.555	455.00
LOCATION	L0000044	VOLUME	477038.528	3744545.968	455.00
LOCATION	L0000045	VOLUME	477038.753	3744537.381	455.00
LOCATION	L0000046	VOLUME	477038.978	3744528.794	455.00
LOCATION	L0000047	VOLUME	477039.203	3744520.207	455.00
LOCATION	L0000048	VOLUME	477039.428	3744511.620	455.00
LOCATION	L0000049	VOLUME	477039.653	3744503.033	455.00
LOCATION	L0000050	VOLUME	477039.877	3744494.446	455.00
LOCATION	L0000051	VOLUME	477040.102	3744485.859	454.99
LOCATION	L0000052	VOLUME	477040.327	3744477.272	454.99
LOCATION	L0000053	VOLUME	477040.652	3744468.689	455.00
LOCATION	L0000054	VOLUME	477041.112	3744460.111	455.00
LOCATION	L0000055	VOLUME	477041.572	3744451.533	455.00
LOCATION	L0000056	VOLUME	477042.032	3744442.956	455.00
LOCATION	L0000057	VOLUME	477042.492	3744434.378	455.00
LOCATION	L0000058	VOLUME	477042.952	3744425.800	455.00
LOCATION	L0000059	VOLUME	477043.412	3744417.223	455.00
LOCATION	L0000060	VOLUME	477043.872	3744408.645	455.00
LOCATION	L0000061	VOLUME	477044.332	3744400.067	455.00
LOCATION	L0000062	VOLUME	477044.792	3744391.490	455.00
LOCATION	L0000063	VOLUME	477045.252	3744382.912	455.00
LOCATION	L0000064	VOLUME	477045.684	3744374.333	455.00
LOCATION	L0000065	VOLUME	477045.871	3744365.745	455.00
LOCATION	L0000066	VOLUME	477046.057	3744357.157	455.00
LOCATION	L0000067	VOLUME	477046.244	3744348.569	455.00
LOCATION	L0000068	VOLUME	477046.431	3744339.981	455.16
LOCATION	L0000069	VOLUME	477046.618	3744331.393	455.38
LOCATION	L0000070	VOLUME	477046.804	3744322.806	455.60
LOCATION	L0000071	VOLUME	477046.991	3744314.218	455.76
LOCATION	L0000072	VOLUME	477047.178	3744305.630	455.76
LOCATION	L0000073	VOLUME	477047.364	3744297.042	455.75
LOCATION	L0000074	VOLUME	477047.551	3744288.454	455.74
LOCATION	L0000075	VOLUME	477047.738	3744279.866	455.79
LOCATION	L0000076	VOLUME	477047.924	3744271.278	455.86
LOCATION	L0000077	VOLUME	477048.111	3744262.690	455.94
LOCATION	L0000078	VOLUME	477048.298	3744254.102	456.00

LOCATION	L0000079	VOLUME	477048.484	3744245.514	456.00
LOCATION	L0000080	VOLUME	477048.671	3744236.926	456.00
LOCATION	L0000081	VOLUME	477048.858	3744228.338	456.00
LOCATION	L0000082	VOLUME	477049.045	3744219.750	456.00
LOCATION	L0000083	VOLUME	477049.231	3744211.162	456.00
LOCATION	L0000084	VOLUME	477049.418	3744202.574	456.00
LOCATION	L0000085	VOLUME	477049.605	3744193.986	456.00
LOCATION	L0000086	VOLUME	477050.127	3744185.414	456.00
LOCATION	L0000087	VOLUME	477050.751	3744176.847	456.00
LOCATION	L0000088	VOLUME	477051.375	3744168.279	456.00
LOCATION	L0000089	VOLUME	477051.999	3744159.712	456.00
LOCATION	L0000090	VOLUME	477052.624	3744151.145	456.00
LOCATION	L0000091	VOLUME	477053.502	3744142.606	456.00
LOCATION	L0000092	VOLUME	477054.817	3744134.118	456.00
LOCATION	L0000093	VOLUME	477056.132	3744125.629	456.00
LOCATION	L0000094	VOLUME	477057.447	3744117.140	456.00
LOCATION	L0000095	VOLUME	477058.762	3744108.651	456.00
LOCATION	L0000096	VOLUME	477060.078	3744100.163	456.07
LOCATION	L0000097	VOLUME	477061.393	3744091.674	456.14
LOCATION	L0000098	VOLUME	477062.708	3744083.185	456.18
LOCATION	L0000099	VOLUME	477064.569	3744074.808	456.18
LOCATION	L0000100	VOLUME	477066.687	3744066.483	456.11
LOCATION	L0000101	VOLUME	477068.806	3744058.158	456.04
LOCATION	L0000102	VOLUME	477070.924	3744049.834	456.00
LOCATION	L0000103	VOLUME	477073.042	3744041.509	456.14
LOCATION	L0000104	VOLUME	477075.160	3744033.184	456.36
LOCATION	L0000105	VOLUME	477077.554	3744024.940	456.53
LOCATION	L0000106	VOLUME	477080.270	3744016.791	456.64
LOCATION	L0000107	VOLUME	477082.987	3744008.642	456.56
LOCATION	L0000108	VOLUME	477085.703	3744000.493	456.47
LOCATION	L0000109	VOLUME	477088.419	3743992.344	456.38
LOCATION	L0000110	VOLUME	477091.136	3743984.194	456.29
LOCATION	L0000111	VOLUME	477093.852	3743976.045	456.20
LOCATION	L0000112	VOLUME	477096.569	3743967.896	456.11
LOCATION	L0000113	VOLUME	477099.285	3743959.747	456.02
LOCATION	L0000114	VOLUME	477102.001	3743951.598	456.14
LOCATION	L0000115	VOLUME	477104.718	3743943.448	456.36
LOCATION	L0000116	VOLUME	477107.477	3743935.314	456.52
LOCATION	L0000117	VOLUME	477110.261	3743927.187	456.63
LOCATION	L0000118	VOLUME	477113.045	3743919.061	456.66
LOCATION	L0000119	VOLUME	477115.829	3743910.935	456.74
LOCATION	L0000120	VOLUME	477118.613	3743902.808	456.86
LOCATION	L0000121	VOLUME	477121.397	3743894.682	457.00
LOCATION	L0000122	VOLUME	477124.181	3743886.556	457.00
LOCATION	L0000123	VOLUME	477126.965	3743878.429	457.00
LOCATION	L0000124	VOLUME	477129.749	3743870.303	457.00
LOCATION	L0000125	VOLUME	477132.533	3743862.177	457.00
LOCATION	L0000126	VOLUME	477135.317	3743854.050	457.00
LOCATION	L0000127	VOLUME	477138.101	3743845.924	457.00
LOCATION	L0000128	VOLUME	477140.885	3743837.798	457.00
LOCATION	L0000129	VOLUME	477143.669	3743829.671	457.00
LOCATION	L0000130	VOLUME	477146.453	3743821.545	457.00
LOCATION	L0000131	VOLUME	477149.237	3743813.419	457.00
LOCATION	L0000132	VOLUME	477152.021	3743805.292	457.00
LOCATION	L0000133	VOLUME	477154.805	3743797.166	457.00
LOCATION	L0000134	VOLUME	477157.589	3743789.040	457.00
LOCATION	L0000135	VOLUME	477160.373	3743780.913	457.00
LOCATION	L0000136	VOLUME	477163.157	3743772.787	457.00
LOCATION	L0000137	VOLUME	477165.942	3743764.661	457.00
LOCATION	L0000138	VOLUME	477168.726	3743756.534	457.00
LOCATION	L0000139	VOLUME	477171.510	3743748.408	457.00
LOCATION	L0000140	VOLUME	477174.323	3743740.292	457.00
LOCATION	L0000141	VOLUME	477177.254	3743732.218	457.00
LOCATION	L0000142	VOLUME	477180.185	3743724.143	457.00
LOCATION	L0000143	VOLUME	477183.116	3743716.068	457.00
LOCATION	L0000144	VOLUME	477186.046	3743707.994	457.03

LOCATION L0000145	VOLUME	477188.977	3743699.919	457.02
LOCATION L0000146	VOLUME	477191.908	3743691.845	456.99
LOCATION L0000147	VOLUME	477194.838	3743683.770	457.00
LOCATION L0000148	VOLUME	477197.769	3743675.696	457.00
LOCATION L0000149	VOLUME	477200.700	3743667.621	457.00
LOCATION L0000150	VOLUME	477203.631	3743659.546	457.00
LOCATION L0000151	VOLUME	477206.561	3743651.472	457.07
LOCATION L0000152	VOLUME	477209.492	3743643.397	457.15
LOCATION L0000153	VOLUME	477212.423	3743635.323	457.17
LOCATION L0000154	VOLUME	477215.353	3743627.248	457.15
LOCATION L0000155	VOLUME	477218.284	3743619.173	457.05
LOCATION L0000156	VOLUME	477221.215	3743611.099	456.98
LOCATION L0000157	VOLUME	477224.146	3743603.024	456.97
LOCATION L0000158	VOLUME	477227.076	3743594.950	457.00
LOCATION L0000159	VOLUME	477230.007	3743586.875	457.00
LOCATION L0000160	VOLUME	477232.938	3743578.800	457.00
LOCATION L0000161	VOLUME	477235.868	3743570.726	457.00
LOCATION L0000162	VOLUME	477238.799	3743562.651	457.00
LOCATION L0000163	VOLUME	477241.730	3743554.577	457.00
LOCATION L0000164	VOLUME	477244.661	3743546.502	457.00
LOCATION L0000165	VOLUME	477247.591	3743538.427	457.00
LOCATION L0000166	VOLUME	477250.522	3743530.353	456.98
LOCATION L0000167	VOLUME	477253.453	3743522.278	456.94
LOCATION L0000168	VOLUME	477256.383	3743514.204	456.94
LOCATION L0000169	VOLUME	477259.314	3743506.129	457.00
LOCATION L0000170	VOLUME	477262.245	3743498.055	457.00
LOCATION L0000171	VOLUME	477265.176	3743489.980	457.00
LOCATION L0000172	VOLUME	477268.106	3743481.905	457.00
LOCATION L0000173	VOLUME	477271.037	3743473.831	457.00
LOCATION L0000174	VOLUME	477273.968	3743465.756	457.00
LOCATION L0000175	VOLUME	477276.898	3743457.682	457.00
LOCATION L0000176	VOLUME	477279.808	3743449.599	457.00
LOCATION L0000177	VOLUME	477282.710	3743441.514	456.91
LOCATION L0000178	VOLUME	477285.613	3743433.430	456.81
LOCATION L0000179	VOLUME	477288.515	3743425.345	456.71
LOCATION L0000180	VOLUME	477291.418	3743417.260	456.62
LOCATION L0000181	VOLUME	477294.321	3743409.176	456.40
LOCATION L0000182	VOLUME	477297.223	3743401.091	456.21
LOCATION L0000183	VOLUME	477300.126	3743393.006	456.07
LOCATION L0000184	VOLUME	477303.028	3743384.921	456.00
LOCATION L0000185	VOLUME	477305.931	3743376.837	456.00
LOCATION L0000186	VOLUME	477308.834	3743368.752	456.00
LOCATION L0000187	VOLUME	477311.736	3743360.667	455.94
LOCATION L0000188	VOLUME	477314.639	3743352.582	455.84
LOCATION L0000189	VOLUME	477317.541	3743344.498	455.74
LOCATION L0000190	VOLUME	477320.444	3743336.413	455.65
LOCATION L0000191	VOLUME	477323.347	3743328.328	455.55
LOCATION L0000192	VOLUME	477326.249	3743320.243	455.45
LOCATION L0000193	VOLUME	477329.152	3743312.159	455.36
LOCATION L0000194	VOLUME	477332.054	3743304.074	455.26
LOCATION L0000195	VOLUME	477334.957	3743295.989	455.17
LOCATION L0000196	VOLUME	477338.392	3743288.129	455.30
LOCATION L0000197	VOLUME	477342.173	3743280.416	455.48
LOCATION L0000198	VOLUME	477345.953	3743272.703	455.62
LOCATION L0000199	VOLUME	477349.734	3743264.990	455.67
LOCATION L0000200	VOLUME	477353.923	3743257.502	455.53
LOCATION L0000201	VOLUME	477358.438	3743250.195	455.38
LOCATION L0000202	VOLUME	477362.954	3743242.887	455.23
LOCATION L0000203	VOLUME	477367.470	3743235.580	455.08
LOCATION L0000204	VOLUME	477372.826	3743228.882	455.00
LOCATION L0000205	VOLUME	477378.364	3743222.315	455.00
LOCATION L0000206	VOLUME	477383.901	3743215.748	455.00
LOCATION L0000207	VOLUME	477389.439	3743209.182	455.00
LOCATION L0000208	VOLUME	477394.977	3743202.615	455.00
LOCATION L0000209	VOLUME	477400.514	3743196.048	454.98
LOCATION L0000210	VOLUME	477406.373	3743189.777	454.78

LOCATION	L0000211	VOLUME	477412.473	3743183.729	454.58
LOCATION	L0000212	VOLUME	477418.572	3743177.681	454.38
LOCATION	L0000213	VOLUME	477424.672	3743171.632	454.17
LOCATION	L0000214	VOLUME	477430.771	3743165.584	454.00
LOCATION	L0000215	VOLUME	477436.871	3743159.535	454.00
LOCATION	L0000216	VOLUME	477443.281	3743153.830	454.00
LOCATION	L0000217	VOLUME	477449.903	3743148.358	454.00
LOCATION	L0000218	VOLUME	477456.525	3743142.887	454.00
LOCATION	L0000219	VOLUME	477463.147	3743137.416	453.89
LOCATION	L0000220	VOLUME	477469.769	3743131.944	453.67
LOCATION	L0000221	VOLUME	477476.391	3743126.473	453.45
LOCATION	L0000222	VOLUME	477483.013	3743121.001	453.23
LOCATION	L0000223	VOLUME	477489.636	3743115.530	453.03
LOCATION	L0000224	VOLUME	477496.258	3743110.059	453.16
LOCATION	L0000225	VOLUME	477502.880	3743104.587	453.22
LOCATION	L0000226	VOLUME	477509.502	3743099.116	453.20
LOCATION	L0000227	VOLUME	477516.124	3743093.644	453.09
LOCATION	L0000228	VOLUME	477522.746	3743088.173	452.90
LOCATION	L0000229	VOLUME	477529.368	3743082.702	452.72
LOCATION	L0000230	VOLUME	477535.990	3743077.230	452.62
LOCATION	L0000231	VOLUME	477542.612	3743071.759	452.61
LOCATION	L0000232	VOLUME	477549.234	3743066.287	452.67
LOCATION	L0000233	VOLUME	477555.856	3743060.816	452.68
LOCATION	L0000234	VOLUME	477562.478	3743055.345	452.58
LOCATION	L0000235	VOLUME	477569.101	3743049.873	452.36
LOCATION	L0000236	VOLUME	477575.723	3743044.402	452.14
LOCATION	L0000237	VOLUME	477582.345	3743038.930	452.00
LOCATION	L0000238	VOLUME	477588.967	3743033.459	452.00
LOCATION	L0000239	VOLUME	477595.589	3743027.988	452.00
LOCATION	L0000240	VOLUME	477602.211	3743022.516	452.00
LOCATION	L0000241	VOLUME	477608.833	3743017.045	452.00
LOCATION	L0000242	VOLUME	477615.455	3743011.574	451.81
LOCATION	L0000243	VOLUME	477622.076	3743006.101	451.59
LOCATION	L0000244	VOLUME	477628.696	3743000.626	451.37
LOCATION	L0000245	VOLUME	477635.315	3742995.152	451.15
LOCATION	L0000246	VOLUME	477641.935	3742989.677	451.00
LOCATION	L0000247	VOLUME	477648.554	3742984.203	451.00
LOCATION	L0000248	VOLUME	477655.174	3742978.728	451.00
LOCATION	L0000249	VOLUME	477661.793	3742973.254	451.00
LOCATION	L0000250	VOLUME	477668.413	3742967.780	451.00
LOCATION	L0000251	VOLUME	477675.032	3742962.305	450.83
LOCATION	L0000252	VOLUME	477681.652	3742956.831	450.61
LOCATION	L0000253	VOLUME	477688.272	3742951.356	450.39
LOCATION	L0000254	VOLUME	477694.891	3742945.882	450.17
LOCATION	L0000255	VOLUME	477701.511	3742940.407	450.00
LOCATION	L0000256	VOLUME	477708.130	3742934.933	450.00
LOCATION	L0000257	VOLUME	477714.750	3742929.458	450.00
LOCATION	L0000258	VOLUME	477721.369	3742923.984	450.00
LOCATION	L0000259	VOLUME	477727.989	3742918.509	450.00
LOCATION	L0000260	VOLUME	477734.608	3742913.035	450.00
LOCATION	L0000261	VOLUME	477741.228	3742907.561	450.00
LOCATION	L0000262	VOLUME	477747.847	3742902.086	450.00
LOCATION	L0000263	VOLUME	477753.785	3742895.887	450.00
LOCATION	L0000264	VOLUME	477759.651	3742889.612	450.00
LOCATION	L0000265	VOLUME	477765.518	3742883.337	449.81
LOCATION	L0000266	VOLUME	477771.384	3742877.062	449.62
LOCATION	L0000267	VOLUME	477777.251	3742870.788	449.42
LOCATION	L0000268	VOLUME	477783.117	3742864.513	449.23
LOCATION	L0000269	VOLUME	477788.983	3742858.238	449.03
LOCATION	L0000270	VOLUME	477794.850	3742851.963	449.00
LOCATION	L0000271	VOLUME	477799.897	3742845.053	449.00
LOCATION	L0000272	VOLUME	477804.512	3742837.808	449.00
LOCATION	L0000273	VOLUME	477809.126	3742830.563	449.00
LOCATION	L0000274	VOLUME	477813.741	3742823.318	449.00
LOCATION	L0000275	VOLUME	477818.356	3742816.072	449.00
LOCATION	L0000276	VOLUME	477822.970	3742808.827	448.97

LOCATION	L0000277	VOLUME	477827.585	3742801.582	448.88
LOCATION	L0000278	VOLUME	477831.522	3742793.979	448.71
LOCATION	L0000279	VOLUME	477834.906	3742786.083	448.50
LOCATION	L0000280	VOLUME	477838.290	3742778.188	448.39
LOCATION	L0000281	VOLUME	477841.673	3742770.292	448.27
LOCATION	L0000282	VOLUME	477844.912	3742762.342	448.17
LOCATION	L0000283	VOLUME	477847.585	3742754.179	448.07
LOCATION	L0000284	VOLUME	477850.257	3742746.015	448.00
LOCATION	L0000285	VOLUME	477852.930	3742737.851	448.00
LOCATION	L0000286	VOLUME	477855.602	3742729.688	448.00
LOCATION	L0000287	VOLUME	477858.275	3742721.524	448.00
LOCATION	L0000288	VOLUME	477860.948	3742713.360	448.00
LOCATION	L0000289	VOLUME	477861.587	3742704.822	448.00
LOCATION	L0000290	VOLUME	477861.999	3742696.242	448.00
LOCATION	L0000291	VOLUME	477862.411	3742687.662	448.00
LOCATION	L0000292	VOLUME	477862.823	3742679.082	448.00
LOCATION	L0000293	VOLUME	477863.235	3742670.502	448.00
LOCATION	L0000294	VOLUME	477863.647	3742661.921	448.00
LOCATION	L0000295	VOLUME	477864.059	3742653.341	448.00
LOCATION	L0000296	VOLUME	477864.471	3742644.761	448.00
LOCATION	L0000297	VOLUME	477864.883	3742636.181	448.00
LOCATION	L0000298	VOLUME	477865.295	3742627.601	448.00
LOCATION	L0000299	VOLUME	477865.707	3742619.021	448.00
LOCATION	L0000300	VOLUME	477866.119	3742610.441	448.00
LOCATION	L0000301	VOLUME	477866.531	3742601.861	448.00
LOCATION	L0000302	VOLUME	477866.943	3742593.281	448.00
LOCATION	L0000303	VOLUME	477867.355	3742584.700	448.00
LOCATION	L0000304	VOLUME	477867.767	3742576.120	448.00
LOCATION	L0000305	VOLUME	477868.179	3742567.540	448.11
LOCATION	L0000306	VOLUME	477861.427	3742565.955	448.21
LOCATION	L0000307	VOLUME	477852.840	3742566.163	448.30
LOCATION	L0000308	VOLUME	477844.252	3742566.371	448.45
LOCATION	L0000309	VOLUME	477835.665	3742566.579	448.64
LOCATION	L0000310	VOLUME	477827.077	3742566.787	448.84
LOCATION	L0000311	VOLUME	477818.490	3742566.996	449.01
LOCATION	L0000312	VOLUME	477809.902	3742567.204	449.10
LOCATION	L0000313	VOLUME	477801.315	3742567.412	449.18
LOCATION	L0000314	VOLUME	477792.727	3742567.620	449.26
LOCATION	L0000315	VOLUME	477784.140	3742567.828	449.42
LOCATION	L0000316	VOLUME	477775.552	3742568.036	449.62
LOCATION	L0000317	VOLUME	477766.965	3742568.244	449.83
LOCATION	L0000318	VOLUME	477758.377	3742568.452	450.00
LOCATION	L0000319	VOLUME	477749.790	3742568.660	450.00
LOCATION	L0000320	VOLUME	477741.202	3742568.868	450.00
LOCATION	L0000321	VOLUME	477732.615	3742569.076	450.00
LOCATION	L0000322	VOLUME	477724.027	3742569.284	450.20
LOCATION	L0000323	VOLUME	477715.440	3742569.492	450.48
LOCATION	L0000324	VOLUME	477706.852	3742569.700	450.77
LOCATION	L0000325	VOLUME	477698.265	3742569.908	451.00
LOCATION	L0000326	VOLUME	477689.678	3742570.116	451.00
LOCATION	L0000327	VOLUME	477681.090	3742570.324	451.00
LOCATION	L0000328	VOLUME	477672.503	3742570.532	451.00
LOCATION	L0000329	VOLUME	477663.915	3742570.740	451.04
LOCATION	L0000330	VOLUME	477655.328	3742570.948	451.08
LOCATION	L0000331	VOLUME	477646.740	3742571.156	451.13
LOCATION	L0000332	VOLUME	477638.153	3742571.364	451.21
LOCATION	L0000333	VOLUME	477629.565	3742571.572	451.44
LOCATION	L0000334	VOLUME	477620.978	3742571.780	451.68
LOCATION	L0000335	VOLUME	477612.390	3742571.988	451.93
LOCATION	L0000336	VOLUME	477603.803	3742572.196	452.03
LOCATION	L0000337	VOLUME	477595.215	3742572.404	452.06
LOCATION	L0000338	VOLUME	477586.628	3742572.612	452.09
LOCATION	L0000339	VOLUME	477578.040	3742572.820	452.17
LOCATION	L0000340	VOLUME	477569.453	3742573.028	452.42
LOCATION	L0000341	VOLUME	477560.865	3742573.236	452.67
LOCATION	L0000342	VOLUME	477552.278	3742573.444	452.93



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

\*\* Source Parameters \*\*

SRCPARAM VOL1	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL2	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL3	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL4	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL5	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL6	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL7	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL8	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL9	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL10	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL11	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL12	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL13	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL14	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL15	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL16	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL17	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL18	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL19	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL20	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL21	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL22	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL23	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL24	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL25	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL26	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL27	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL28	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL29	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL30	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL31	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL32	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL33	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL34	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL35	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL36	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL37	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL38	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL39	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL40	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL41	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL42	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL43	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL44	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL45	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL46	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL47	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL48	0.0006279155	5.000	16.116	1.400

\*\* LINE VOLUME Source ID = SLINE1

SRCPARAM L0000001	0.000002407	3.49	4.00	3.25
SRCPARAM L0000002	0.000002407	3.49	4.00	3.25
SRCPARAM L0000003	0.000002407	3.49	4.00	3.25
SRCPARAM L0000004	0.000002407	3.49	4.00	3.25
SRCPARAM L0000005	0.000002407	3.49	4.00	3.25
SRCPARAM L0000006	0.000002407	3.49	4.00	3.25
SRCPARAM L0000007	0.000002407	3.49	4.00	3.25
SRCPARAM L0000008	0.000002407	3.49	4.00	3.25
SRCPARAM L0000009	0.000002407	3.49	4.00	3.25
SRCPARAM L0000010	0.000002407	3.49	4.00	3.25
SRCPARAM L0000011	0.000002407	3.49	4.00	3.25
SRCPARAM L0000012	0.000002407	3.49	4.00	3.25
SRCPARAM L0000013	0.000002407	3.49	4.00	3.25
SRCPARAM L0000014	0.000002407	3.49	4.00	3.25
SRCPARAM L0000015	0.000002407	3.49	4.00	3.25











```

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL1      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL2      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL3      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL4      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL5      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL5      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL5      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0

```



































































































































































EMISFACT L0000340 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000340 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000340 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000341 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000341 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000341 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000341 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000341 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000341 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000342 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000342 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000342 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000342 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000342 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
SRCGROUP ALL

SO FINISHED

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

\*\*  
\*\*  
RE STARTING  
INCLUDED "13998 Construction.rou"  
RE FINISHED

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

\*\*  
\*\*  
ME STARTING  
SURFFILE PERI\_V9\_ADJU\PERI\_v9.SFC  
PROFFILE PERI\_V9\_ADJU\PERI\_v9.PFL  
SURFDATA 3171 2010  
UAIRDATA 3190 2010  
SITEDATA 99999 2010  
PROFBASE 442.0 METERS

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

\*\*  
\*\*  
OU STARTING  
\*\* Auto-Generated Plotfiles  
PLOTFILE ANNUAL ALL "13998 CONSTRUCTION.AD\AN00GALL.PLT" 31  
SUMMFILE "13998 Construction.sum"

OU FINISHED  
\*\*  
\*\*\*\*\*  
\*\* Project Parameters  
\*\*\*\*\*  
\*\* PROJCTN CoordinateSystemUTM  
\*\* DESCPTN UTM: Universal Transverse Mercator  
\*\* DATUM World Geodetic System 1984  
\*\* DTMRGN Global Definition  
\*\* UNITS m  
\*\* ZONE 11  
\*\* ZONEINX 0  
\*\*



\*\*  
\*\*\*\*\*  
\*\*  
\*\* AERMOD Input Produced by:  
\*\* AERMOD View Ver. 10.2.1  
\*\* Lakes Environmental Software Inc.  
\*\* Date: 6/16/2022  
\*\* File: C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998 Construction\13998  
Construction.ADI  
\*\*

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

CO STARTING  
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998 Ops\13998 Ops.  
MODELOPT DFAULT CONC  
AVERTIME ANNUAL  
URBANOPT 2189641  
POLLUTID DPM  
RUNORNOT RUN  
ERRORFIL "13998 Construction.err"  
CO FINISHED

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

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

LOCATION	VOL	VOLUME	X Coord.	Y Coord.
LOCATION VOL1	VOLUME	477079.395	3744890.193	454.000
LOCATION VOL2	VOLUME	477148.693	3744889.698	453.000
LOCATION VOL3	VOLUME	477218.734	3744890.193	453.000
LOCATION VOL4	VOLUME	477288.528	3744889.946	452.000
LOCATION VOL5	VOLUME	477357.826	3744889.946	451.350
LOCATION VOL6	VOLUME	477391.980	3744889.451	451.000
LOCATION VOL7	VOLUME	477392.723	3744820.152	451.000
LOCATION VOL8	VOLUME	477323.919	3744820.152	452.000
LOCATION VOL9	VOLUME	477254.868	3744820.152	452.000
LOCATION VOL10	VOLUME	477185.322	3744820.647	453.000
LOCATION VOL11	VOLUME	477116.024	3744820.895	454.000
LOCATION VOL12	VOLUME	477078.900	3744821.142	454.000
LOCATION VOL13	VOLUME	477079.890	3744751.101	454.000
LOCATION VOL14	VOLUME	477148.693	3744751.101	453.370
LOCATION VOL15	VOLUME	477217.497	3744751.349	453.000
LOCATION VOL16	VOLUME	477287.538	3744750.111	452.000
LOCATION VOL17	VOLUME	477356.836	3744749.616	451.430
LOCATION VOL18	VOLUME	477393.218	3744750.111	451.000
LOCATION VOL19	VOLUME	477116.519	3744681.555	454.000
LOCATION VOL20	VOLUME	477185.817	3744680.813	453.110
LOCATION VOL21	VOLUME	477255.116	3744680.070	452.820
LOCATION VOL22	VOLUME	477323.919	3744679.823	452.000
LOCATION VOL23	VOLUME	477393.218	3744680.813	451.190
LOCATION VOL24	VOLUME	477079.890	3744681.555	454.000
LOCATION VOL25	VOLUME	477080.632	3744611.514	454.000
LOCATION VOL26	VOLUME	477149.683	3744611.762	454.000
LOCATION VOL27	VOLUME	477218.982	3744612.009	453.000
LOCATION VOL28	VOLUME	477288.280	3744610.772	452.720
LOCATION VOL29	VOLUME	477357.084	3744611.019	452.000
LOCATION VOL30	VOLUME	477393.218	3744611.267	452.000

LOCATION	VOL	VOLUME	477392.970	3744541.473	452.000
LOCATION VOL32	VOLUME	477323.424	3744541.473	452.770	
LOCATION VOL33	VOLUME	477254.373	3744541.473	453.000	
LOCATION VOL34	VOLUME	477185.075	3744542.711	454.000	
LOCATION VOL35	VOLUME	477115.281	3744542.216	454.000	
LOCATION VOL36	VOLUME	477080.632	3744541.721	454.000	
LOCATION VOL37	VOLUME	477081.870	3744472.175	454.480	
LOCATION VOL38	VOLUME	477151.663	3744472.917	454.000	
LOCATION VOL39	VOLUME	477220.962	3744473.165	453.740	
LOCATION VOL40	VOLUME	477291.003	3744472.422	453.000	
LOCATION VOL41	VOLUME	477361.044	3744471.927	452.860	
LOCATION VOL42	VOLUME	477392.970	3744472.175	452.180	
LOCATION VOL43	VOLUME	477392.475	3744430.596	452.390	
LOCATION VOL44	VOLUME	477322.682	3744428.616	453.000	
LOCATION VOL45	VOLUME	477252.888	3744427.378	453.930	
LOCATION VOL46	VOLUME	477184.827	3744426.636	454.000	
LOCATION VOL47	VOLUME	477115.776	3744423.913	454.000	
LOCATION VOL48	VOLUME	477083.850	3744423.666	454.530	

\*\* -----  
 \*\* Line Source Represented by Adjacent Volume Sources  
 \*\* LINE VOLUME Source ID = SLINE1  
 \*\* DESCRSRC  
 \*\* PREFIX  
 \*\* Length of Side = 8.59  
 \*\* Configuration = Adjacent  
 \*\* Emission Rate = 0.0008231465  
 \*\* Vertical Dimension = 6.99  
 \*\* SZINIT = 3.25  
 \*\* Nodes = 24

\*\* 477038.006, 3744919.613, 454.00, 3.49, 4.00  
 \*\* 477037.087, 3744600.991, 454.93, 3.49, 4.00  
 \*\* 477040.457, 3744472.316, 455.00, 3.49, 4.00  
 \*\* 477045.665, 3744375.198, 455.03, 3.49, 4.00  
 \*\* 477049.648, 3744191.990, 456.00, 3.49, 4.00  
 \*\* 477053.018, 3744145.728, 456.06, 3.49, 4.00  
 \*\* 477063.128, 3744080.472, 456.09, 3.49, 4.00  
 \*\* 477076.302, 3744028.696, 456.84, 3.49, 4.00  
 \*\* 477105.713, 3743940.462, 456.58, 3.49, 4.00  
 \*\* 477173.727, 3743741.936, 457.05, 3.49, 4.00  
 \*\* 477277.586, 3743455.788, 456.95, 3.49, 4.00  
 \*\* 477336.102, 3743292.800, 455.11, 3.49, 4.00  
 \*\* 477351.420, 3743261.551, 455.76, 3.49, 4.00  
 \*\* 477368.271, 3743234.284, 455.02, 3.49, 4.00  
 \*\* 477402.890, 3743193.231, 454.90, 3.49, 4.00  
 \*\* 477439.348, 3743157.080, 454.07, 3.49, 4.00  
 \*\* 477619.186, 3743008.491, 451.78, 3.49, 4.00  
 \*\* 477748.473, 3742901.569, 450.00, 3.49, 4.00  
 \*\* 477796.879, 3742849.793, 449.03, 3.49, 4.00  
 \*\* 477829.660, 3742798.323, 448.76, 3.49, 4.00  
 \*\* 477844.366, 3742764.010, 448.09, 3.49, 4.00  
 \*\* 477861.216, 3742712.540, 448.00, 3.49, 4.00  
 \*\* 477868.263, 3742565.790, 448.26, 3.49, 4.00  
 \*\* 477552.091, 3742573.449, 452.97, 3.49, 4.00

\*\* -----  
 LOCATION L0000001      VOLUME    477037.994 3744915.318 454.00  
 LOCATION L0000002      VOLUME    477037.969 3744906.728 454.00  
 LOCATION L0000003      VOLUME    477037.944 3744898.138 454.00  
 LOCATION L0000004      VOLUME    477037.919 3744889.548 454.00  
 LOCATION L0000005      VOLUME    477037.895 3744880.958 454.00  
 LOCATION L0000006      VOLUME    477037.870 3744872.368 454.00  
 LOCATION L0000007      VOLUME    477037.845 3744863.778 454.00  
 LOCATION L0000008      VOLUME    477037.820 3744855.188 454.00  
 LOCATION L0000009      VOLUME    477037.795 3744846.598 454.00  
 LOCATION L0000010      VOLUME    477037.771 3744838.008 454.00  
 LOCATION L0000011      VOLUME    477037.746 3744829.418 454.00  
 LOCATION L0000012      VOLUME    477037.721 3744820.829 454.00

LOCATION	L0000013	VOLUME	477037.696	3744812.239	454.00
LOCATION	L0000014	VOLUME	477037.672	3744803.649	454.00
LOCATION	L0000015	VOLUME	477037.647	3744795.059	454.00
LOCATION	L0000016	VOLUME	477037.622	3744786.469	454.02
LOCATION	L0000017	VOLUME	477037.597	3744777.879	454.05
LOCATION	L0000018	VOLUME	477037.572	3744769.289	454.07
LOCATION	L0000019	VOLUME	477037.548	3744760.699	454.08
LOCATION	L0000020	VOLUME	477037.523	3744752.109	454.08
LOCATION	L0000021	VOLUME	477037.498	3744743.519	454.08
LOCATION	L0000022	VOLUME	477037.473	3744734.929	454.08
LOCATION	L0000023	VOLUME	477037.449	3744726.339	454.08
LOCATION	L0000024	VOLUME	477037.424	3744717.749	454.08
LOCATION	L0000025	VOLUME	477037.399	3744709.159	454.08
LOCATION	L0000026	VOLUME	477037.374	3744700.569	454.08
LOCATION	L0000027	VOLUME	477037.349	3744691.979	454.08
LOCATION	L0000028	VOLUME	477037.325	3744683.389	454.08
LOCATION	L0000029	VOLUME	477037.300	3744674.799	454.09
LOCATION	L0000030	VOLUME	477037.275	3744666.209	454.09
LOCATION	L0000031	VOLUME	477037.250	3744657.619	454.09
LOCATION	L0000032	VOLUME	477037.226	3744649.029	454.09
LOCATION	L0000033	VOLUME	477037.201	3744640.439	454.26
LOCATION	L0000034	VOLUME	477037.176	3744631.849	454.52
LOCATION	L0000035	VOLUME	477037.151	3744623.259	454.79
LOCATION	L0000036	VOLUME	477037.126	3744614.669	455.00
LOCATION	L0000037	VOLUME	477037.102	3744606.079	455.00
LOCATION	L0000038	VOLUME	477037.179	3744597.491	455.00
LOCATION	L0000039	VOLUME	477037.404	3744588.904	455.00
LOCATION	L0000040	VOLUME	477037.628	3744580.317	455.00
LOCATION	L0000041	VOLUME	477037.853	3744571.729	455.00
LOCATION	L0000042	VOLUME	477038.078	3744563.142	455.00
LOCATION	L0000043	VOLUME	477038.303	3744554.555	455.00
LOCATION	L0000044	VOLUME	477038.528	3744545.968	455.00
LOCATION	L0000045	VOLUME	477038.753	3744537.381	455.00
LOCATION	L0000046	VOLUME	477038.978	3744528.794	455.00
LOCATION	L0000047	VOLUME	477039.203	3744520.207	455.00
LOCATION	L0000048	VOLUME	477039.428	3744511.620	455.00
LOCATION	L0000049	VOLUME	477039.653	3744503.033	455.00
LOCATION	L0000050	VOLUME	477039.877	3744494.446	455.00
LOCATION	L0000051	VOLUME	477040.102	3744485.859	454.99
LOCATION	L0000052	VOLUME	477040.327	3744477.272	454.99
LOCATION	L0000053	VOLUME	477040.652	3744468.689	455.00
LOCATION	L0000054	VOLUME	477041.112	3744460.111	455.00
LOCATION	L0000055	VOLUME	477041.572	3744451.533	455.00
LOCATION	L0000056	VOLUME	477042.032	3744442.956	455.00
LOCATION	L0000057	VOLUME	477042.492	3744434.378	455.00
LOCATION	L0000058	VOLUME	477042.952	3744425.800	455.00
LOCATION	L0000059	VOLUME	477043.412	3744417.223	455.00
LOCATION	L0000060	VOLUME	477043.872	3744408.645	455.00
LOCATION	L0000061	VOLUME	477044.332	3744400.067	455.00
LOCATION	L0000062	VOLUME	477044.792	3744391.490	455.00
LOCATION	L0000063	VOLUME	477045.252	3744382.912	455.00
LOCATION	L0000064	VOLUME	477045.684	3744374.333	455.00
LOCATION	L0000065	VOLUME	477045.871	3744365.745	455.00
LOCATION	L0000066	VOLUME	477046.057	3744357.157	455.00
LOCATION	L0000067	VOLUME	477046.244	3744348.569	455.00
LOCATION	L0000068	VOLUME	477046.431	3744339.981	455.16
LOCATION	L0000069	VOLUME	477046.618	3744331.393	455.38
LOCATION	L0000070	VOLUME	477046.804	3744322.806	455.60
LOCATION	L0000071	VOLUME	477046.991	3744314.218	455.76
LOCATION	L0000072	VOLUME	477047.178	3744305.630	455.76
LOCATION	L0000073	VOLUME	477047.364	3744297.042	455.75
LOCATION	L0000074	VOLUME	477047.551	3744288.454	455.74
LOCATION	L0000075	VOLUME	477047.738	3744279.866	455.79
LOCATION	L0000076	VOLUME	477047.924	3744271.278	455.86
LOCATION	L0000077	VOLUME	477048.111	3744262.690	455.94
LOCATION	L0000078	VOLUME	477048.298	3744254.102	456.00

LOCATION L0000079	VOLUME	477048.484	3744245.514	456.00
LOCATION L0000080	VOLUME	477048.671	3744236.926	456.00
LOCATION L0000081	VOLUME	477048.858	3744228.338	456.00
LOCATION L0000082	VOLUME	477049.045	3744219.750	456.00
LOCATION L0000083	VOLUME	477049.231	3744211.162	456.00
LOCATION L0000084	VOLUME	477049.418	3744202.574	456.00
LOCATION L0000085	VOLUME	477049.605	3744193.986	456.00
LOCATION L0000086	VOLUME	477050.127	3744185.414	456.00
LOCATION L0000087	VOLUME	477050.751	3744176.847	456.00
LOCATION L0000088	VOLUME	477051.375	3744168.279	456.00
LOCATION L0000089	VOLUME	477051.999	3744159.712	456.00
LOCATION L0000090	VOLUME	477052.624	3744151.145	456.00
LOCATION L0000091	VOLUME	477053.502	3744142.606	456.00
LOCATION L0000092	VOLUME	477054.817	3744134.118	456.00
LOCATION L0000093	VOLUME	477056.132	3744125.629	456.00
LOCATION L0000094	VOLUME	477057.447	3744117.140	456.00
LOCATION L0000095	VOLUME	477058.762	3744108.651	456.00
LOCATION L0000096	VOLUME	477060.078	3744100.163	456.07
LOCATION L0000097	VOLUME	477061.393	3744091.674	456.14
LOCATION L0000098	VOLUME	477062.708	3744083.185	456.18
LOCATION L0000099	VOLUME	477064.569	3744074.808	456.18
LOCATION L0000100	VOLUME	477066.687	3744066.483	456.11
LOCATION L0000101	VOLUME	477068.806	3744058.158	456.04
LOCATION L0000102	VOLUME	477070.924	3744049.834	456.00
LOCATION L0000103	VOLUME	477073.042	3744041.509	456.14
LOCATION L0000104	VOLUME	477075.160	3744033.184	456.36
LOCATION L0000105	VOLUME	477077.554	3744024.940	456.53
LOCATION L0000106	VOLUME	477080.270	3744016.791	456.64
LOCATION L0000107	VOLUME	477082.987	3744008.642	456.56
LOCATION L0000108	VOLUME	477085.703	3744000.493	456.47
LOCATION L0000109	VOLUME	477088.419	3743992.344	456.38
LOCATION L0000110	VOLUME	477091.136	3743984.194	456.29
LOCATION L0000111	VOLUME	477093.852	3743976.045	456.20
LOCATION L0000112	VOLUME	477096.569	3743967.896	456.11
LOCATION L0000113	VOLUME	477099.285	3743959.747	456.02
LOCATION L0000114	VOLUME	477102.001	3743951.598	456.14
LOCATION L0000115	VOLUME	477104.718	3743943.448	456.36
LOCATION L0000116	VOLUME	477107.477	3743935.314	456.52
LOCATION L0000117	VOLUME	477110.261	3743927.187	456.63
LOCATION L0000118	VOLUME	477113.045	3743919.061	456.66
LOCATION L0000119	VOLUME	477115.829	3743910.935	456.74
LOCATION L0000120	VOLUME	477118.613	3743902.808	456.86
LOCATION L0000121	VOLUME	477121.397	3743894.682	457.00
LOCATION L0000122	VOLUME	477124.181	3743886.556	457.00
LOCATION L0000123	VOLUME	477126.965	3743878.429	457.00
LOCATION L0000124	VOLUME	477129.749	3743870.303	457.00
LOCATION L0000125	VOLUME	477132.533	3743862.177	457.00
LOCATION L0000126	VOLUME	477135.317	3743854.050	457.00
LOCATION L0000127	VOLUME	477138.101	3743845.924	457.00
LOCATION L0000128	VOLUME	477140.885	3743837.798	457.00
LOCATION L0000129	VOLUME	477143.669	3743829.671	457.00
LOCATION L0000130	VOLUME	477146.453	3743821.545	457.00
LOCATION L0000131	VOLUME	477149.237	3743813.419	457.00
LOCATION L0000132	VOLUME	477152.021	3743805.292	457.00
LOCATION L0000133	VOLUME	477154.805	3743797.166	457.00
LOCATION L0000134	VOLUME	477157.589	3743789.040	457.00
LOCATION L0000135	VOLUME	477160.373	3743780.913	457.00
LOCATION L0000136	VOLUME	477163.157	3743772.787	457.00
LOCATION L0000137	VOLUME	477165.942	3743764.661	457.00
LOCATION L0000138	VOLUME	477168.726	3743756.534	457.00
LOCATION L0000139	VOLUME	477171.510	3743748.408	457.00
LOCATION L0000140	VOLUME	477174.323	3743740.292	457.00
LOCATION L0000141	VOLUME	477177.254	3743732.218	457.00
LOCATION L0000142	VOLUME	477180.185	3743724.143	457.00
LOCATION L0000143	VOLUME	477183.116	3743716.068	457.00
LOCATION L0000144	VOLUME	477186.046	3743707.994	457.03

LOCATION L0000145	VOLUME	477188.977	3743699.919	457.02
LOCATION L0000146	VOLUME	477191.908	3743691.845	456.99
LOCATION L0000147	VOLUME	477194.838	3743683.770	457.00
LOCATION L0000148	VOLUME	477197.769	3743675.696	457.00
LOCATION L0000149	VOLUME	477200.700	3743667.621	457.00
LOCATION L0000150	VOLUME	477203.631	3743659.546	457.00
LOCATION L0000151	VOLUME	477206.561	3743651.472	457.07
LOCATION L0000152	VOLUME	477209.492	3743643.397	457.15
LOCATION L0000153	VOLUME	477212.423	3743635.323	457.17
LOCATION L0000154	VOLUME	477215.353	3743627.248	457.15
LOCATION L0000155	VOLUME	477218.284	3743619.173	457.05
LOCATION L0000156	VOLUME	477221.215	3743611.099	456.98
LOCATION L0000157	VOLUME	477224.146	3743603.024	456.97
LOCATION L0000158	VOLUME	477227.076	3743594.950	457.00
LOCATION L0000159	VOLUME	477230.007	3743586.875	457.00
LOCATION L0000160	VOLUME	477232.938	3743578.800	457.00
LOCATION L0000161	VOLUME	477235.868	3743570.726	457.00
LOCATION L0000162	VOLUME	477238.799	3743562.651	457.00
LOCATION L0000163	VOLUME	477241.730	3743554.577	457.00
LOCATION L0000164	VOLUME	477244.661	3743546.502	457.00
LOCATION L0000165	VOLUME	477247.591	3743538.427	457.00
LOCATION L0000166	VOLUME	477250.522	3743530.353	456.98
LOCATION L0000167	VOLUME	477253.453	3743522.278	456.94
LOCATION L0000168	VOLUME	477256.383	3743514.204	456.94
LOCATION L0000169	VOLUME	477259.314	3743506.129	457.00
LOCATION L0000170	VOLUME	477262.245	3743498.055	457.00
LOCATION L0000171	VOLUME	477265.176	3743489.980	457.00
LOCATION L0000172	VOLUME	477268.106	3743481.905	457.00
LOCATION L0000173	VOLUME	477271.037	3743473.831	457.00
LOCATION L0000174	VOLUME	477273.968	3743465.756	457.00
LOCATION L0000175	VOLUME	477276.898	3743457.682	457.00
LOCATION L0000176	VOLUME	477279.808	3743449.599	457.00
LOCATION L0000177	VOLUME	477282.710	3743441.514	456.91
LOCATION L0000178	VOLUME	477285.613	3743433.430	456.81
LOCATION L0000179	VOLUME	477288.515	3743425.345	456.71
LOCATION L0000180	VOLUME	477291.418	3743417.260	456.62
LOCATION L0000181	VOLUME	477294.321	3743409.176	456.40
LOCATION L0000182	VOLUME	477297.223	3743401.091	456.21
LOCATION L0000183	VOLUME	477300.126	3743393.006	456.07
LOCATION L0000184	VOLUME	477303.028	3743384.921	456.00
LOCATION L0000185	VOLUME	477305.931	3743376.837	456.00
LOCATION L0000186	VOLUME	477308.834	3743368.752	456.00
LOCATION L0000187	VOLUME	477311.736	3743360.667	455.94
LOCATION L0000188	VOLUME	477314.639	3743352.582	455.84
LOCATION L0000189	VOLUME	477317.541	3743344.498	455.74
LOCATION L0000190	VOLUME	477320.444	3743336.413	455.65
LOCATION L0000191	VOLUME	477323.347	3743328.328	455.55
LOCATION L0000192	VOLUME	477326.249	3743320.243	455.45
LOCATION L0000193	VOLUME	477329.152	3743312.159	455.36
LOCATION L0000194	VOLUME	477332.054	3743304.074	455.26
LOCATION L0000195	VOLUME	477334.957	3743295.989	455.17
LOCATION L0000196	VOLUME	477338.392	3743288.129	455.30
LOCATION L0000197	VOLUME	477342.173	3743280.416	455.48
LOCATION L0000198	VOLUME	477345.953	3743272.703	455.62
LOCATION L0000199	VOLUME	477349.734	3743264.990	455.67
LOCATION L0000200	VOLUME	477353.923	3743257.502	455.53
LOCATION L0000201	VOLUME	477358.438	3743250.195	455.38
LOCATION L0000202	VOLUME	477362.954	3743242.887	455.23
LOCATION L0000203	VOLUME	477367.470	3743235.580	455.08
LOCATION L0000204	VOLUME	477372.826	3743228.882	455.00
LOCATION L0000205	VOLUME	477378.364	3743222.315	455.00
LOCATION L0000206	VOLUME	477383.901	3743215.748	455.00
LOCATION L0000207	VOLUME	477389.439	3743209.182	455.00
LOCATION L0000208	VOLUME	477394.977	3743202.615	455.00
LOCATION L0000209	VOLUME	477400.514	3743196.048	454.98
LOCATION L0000210	VOLUME	477406.373	3743189.777	454.78

LOCATION	L0000211	VOLUME	477412.473	3743183.729	454.58
LOCATION	L0000212	VOLUME	477418.572	3743177.681	454.38
LOCATION	L0000213	VOLUME	477424.672	3743171.632	454.17
LOCATION	L0000214	VOLUME	477430.771	3743165.584	454.00
LOCATION	L0000215	VOLUME	477436.871	3743159.535	454.00
LOCATION	L0000216	VOLUME	477443.281	3743153.830	454.00
LOCATION	L0000217	VOLUME	477449.903	3743148.358	454.00
LOCATION	L0000218	VOLUME	477456.525	3743142.887	454.00
LOCATION	L0000219	VOLUME	477463.147	3743137.416	453.89
LOCATION	L0000220	VOLUME	477469.769	3743131.944	453.67
LOCATION	L0000221	VOLUME	477476.391	3743126.473	453.45
LOCATION	L0000222	VOLUME	477483.013	3743121.001	453.23
LOCATION	L0000223	VOLUME	477489.636	3743115.530	453.03
LOCATION	L0000224	VOLUME	477496.258	3743110.059	453.16
LOCATION	L0000225	VOLUME	477502.880	3743104.587	453.22
LOCATION	L0000226	VOLUME	477509.502	3743099.116	453.20
LOCATION	L0000227	VOLUME	477516.124	3743093.644	453.09
LOCATION	L0000228	VOLUME	477522.746	3743088.173	452.90
LOCATION	L0000229	VOLUME	477529.368	3743082.702	452.72
LOCATION	L0000230	VOLUME	477535.990	3743077.230	452.62
LOCATION	L0000231	VOLUME	477542.612	3743071.759	452.61
LOCATION	L0000232	VOLUME	477549.234	3743066.287	452.67
LOCATION	L0000233	VOLUME	477555.856	3743060.816	452.68
LOCATION	L0000234	VOLUME	477562.478	3743055.345	452.58
LOCATION	L0000235	VOLUME	477569.101	3743049.873	452.36
LOCATION	L0000236	VOLUME	477575.723	3743044.402	452.14
LOCATION	L0000237	VOLUME	477582.345	3743038.930	452.00
LOCATION	L0000238	VOLUME	477588.967	3743033.459	452.00
LOCATION	L0000239	VOLUME	477595.589	3743027.988	452.00
LOCATION	L0000240	VOLUME	477602.211	3743022.516	452.00
LOCATION	L0000241	VOLUME	477608.833	3743017.045	452.00
LOCATION	L0000242	VOLUME	477615.455	3743011.574	451.81
LOCATION	L0000243	VOLUME	477622.076	3743006.101	451.59
LOCATION	L0000244	VOLUME	477628.696	3743000.626	451.37
LOCATION	L0000245	VOLUME	477635.315	3742995.152	451.15
LOCATION	L0000246	VOLUME	477641.935	3742989.677	451.00
LOCATION	L0000247	VOLUME	477648.554	3742984.203	451.00
LOCATION	L0000248	VOLUME	477655.174	3742978.728	451.00
LOCATION	L0000249	VOLUME	477661.793	3742973.254	451.00
LOCATION	L0000250	VOLUME	477668.413	3742967.780	451.00
LOCATION	L0000251	VOLUME	477675.032	3742962.305	450.83
LOCATION	L0000252	VOLUME	477681.652	3742956.831	450.61
LOCATION	L0000253	VOLUME	477688.272	3742951.356	450.39
LOCATION	L0000254	VOLUME	477694.891	3742945.882	450.17
LOCATION	L0000255	VOLUME	477701.511	3742940.407	450.00
LOCATION	L0000256	VOLUME	477708.130	3742934.933	450.00
LOCATION	L0000257	VOLUME	477714.750	3742929.458	450.00
LOCATION	L0000258	VOLUME	477721.369	3742923.984	450.00
LOCATION	L0000259	VOLUME	477727.989	3742918.509	450.00
LOCATION	L0000260	VOLUME	477734.608	3742913.035	450.00
LOCATION	L0000261	VOLUME	477741.228	3742907.561	450.00
LOCATION	L0000262	VOLUME	477747.847	3742902.086	450.00
LOCATION	L0000263	VOLUME	477753.785	3742895.887	450.00
LOCATION	L0000264	VOLUME	477759.651	3742889.612	450.00
LOCATION	L0000265	VOLUME	477765.518	3742883.337	449.81
LOCATION	L0000266	VOLUME	477771.384	3742877.062	449.62
LOCATION	L0000267	VOLUME	477777.251	3742870.788	449.42
LOCATION	L0000268	VOLUME	477783.117	3742864.513	449.23
LOCATION	L0000269	VOLUME	477788.983	3742858.238	449.03
LOCATION	L0000270	VOLUME	477794.850	3742851.963	449.00
LOCATION	L0000271	VOLUME	477799.897	3742845.053	449.00
LOCATION	L0000272	VOLUME	477804.512	3742837.808	449.00
LOCATION	L0000273	VOLUME	477809.126	3742830.563	449.00
LOCATION	L0000274	VOLUME	477813.741	3742823.318	449.00
LOCATION	L0000275	VOLUME	477818.356	3742816.072	449.00
LOCATION	L0000276	VOLUME	477822.970	3742808.827	448.97

LOCATION	L0000277	VOLUME	477827.585	3742801.582	448.88
LOCATION	L0000278	VOLUME	477831.522	3742793.979	448.71
LOCATION	L0000279	VOLUME	477834.906	3742786.083	448.50
LOCATION	L0000280	VOLUME	477838.290	3742778.188	448.39
LOCATION	L0000281	VOLUME	477841.673	3742770.292	448.27
LOCATION	L0000282	VOLUME	477844.912	3742762.342	448.17
LOCATION	L0000283	VOLUME	477847.585	3742754.179	448.07
LOCATION	L0000284	VOLUME	477850.257	3742746.015	448.00
LOCATION	L0000285	VOLUME	477852.930	3742737.851	448.00
LOCATION	L0000286	VOLUME	477855.602	3742729.688	448.00
LOCATION	L0000287	VOLUME	477858.275	3742721.524	448.00
LOCATION	L0000288	VOLUME	477860.948	3742713.360	448.00
LOCATION	L0000289	VOLUME	477861.587	3742704.822	448.00
LOCATION	L0000290	VOLUME	477861.999	3742696.242	448.00
LOCATION	L0000291	VOLUME	477862.411	3742687.662	448.00
LOCATION	L0000292	VOLUME	477862.823	3742679.082	448.00
LOCATION	L0000293	VOLUME	477863.235	3742670.502	448.00
LOCATION	L0000294	VOLUME	477863.647	3742661.921	448.00
LOCATION	L0000295	VOLUME	477864.059	3742653.341	448.00
LOCATION	L0000296	VOLUME	477864.471	3742644.761	448.00
LOCATION	L0000297	VOLUME	477864.883	3742636.181	448.00
LOCATION	L0000298	VOLUME	477865.295	3742627.601	448.00
LOCATION	L0000299	VOLUME	477865.707	3742619.021	448.00
LOCATION	L0000300	VOLUME	477866.119	3742610.441	448.00
LOCATION	L0000301	VOLUME	477866.531	3742601.861	448.00
LOCATION	L0000302	VOLUME	477866.943	3742593.281	448.00
LOCATION	L0000303	VOLUME	477867.355	3742584.700	448.00
LOCATION	L0000304	VOLUME	477867.767	3742576.120	448.00
LOCATION	L0000305	VOLUME	477868.179	3742567.540	448.11
LOCATION	L0000306	VOLUME	477861.427	3742565.955	448.21
LOCATION	L0000307	VOLUME	477852.840	3742566.163	448.30
LOCATION	L0000308	VOLUME	477844.252	3742566.371	448.45
LOCATION	L0000309	VOLUME	477835.665	3742566.579	448.64
LOCATION	L0000310	VOLUME	477827.077	3742566.787	448.84
LOCATION	L0000311	VOLUME	477818.490	3742566.996	449.01
LOCATION	L0000312	VOLUME	477809.902	3742567.204	449.10
LOCATION	L0000313	VOLUME	477801.315	3742567.412	449.18
LOCATION	L0000314	VOLUME	477792.727	3742567.620	449.26
LOCATION	L0000315	VOLUME	477784.140	3742567.828	449.42
LOCATION	L0000316	VOLUME	477775.552	3742568.036	449.62
LOCATION	L0000317	VOLUME	477766.965	3742568.244	449.83
LOCATION	L0000318	VOLUME	477758.377	3742568.452	450.00
LOCATION	L0000319	VOLUME	477749.790	3742568.660	450.00
LOCATION	L0000320	VOLUME	477741.202	3742568.868	450.00
LOCATION	L0000321	VOLUME	477732.615	3742569.076	450.00
LOCATION	L0000322	VOLUME	477724.027	3742569.284	450.20
LOCATION	L0000323	VOLUME	477715.440	3742569.492	450.48
LOCATION	L0000324	VOLUME	477706.852	3742569.700	450.77
LOCATION	L0000325	VOLUME	477698.265	3742569.908	451.00
LOCATION	L0000326	VOLUME	477689.678	3742570.116	451.00
LOCATION	L0000327	VOLUME	477681.090	3742570.324	451.00
LOCATION	L0000328	VOLUME	477672.503	3742570.532	451.00
LOCATION	L0000329	VOLUME	477663.915	3742570.740	451.04
LOCATION	L0000330	VOLUME	477655.328	3742570.948	451.08
LOCATION	L0000331	VOLUME	477646.740	3742571.156	451.13
LOCATION	L0000332	VOLUME	477638.153	3742571.364	451.21
LOCATION	L0000333	VOLUME	477629.565	3742571.572	451.44
LOCATION	L0000334	VOLUME	477620.978	3742571.780	451.68
LOCATION	L0000335	VOLUME	477612.390	3742571.988	451.93
LOCATION	L0000336	VOLUME	477603.803	3742572.196	452.03
LOCATION	L0000337	VOLUME	477595.215	3742572.404	452.06
LOCATION	L0000338	VOLUME	477586.628	3742572.612	452.09
LOCATION	L0000339	VOLUME	477578.040	3742572.820	452.17
LOCATION	L0000340	VOLUME	477569.453	3742573.028	452.42
LOCATION	L0000341	VOLUME	477560.865	3742573.236	452.67
LOCATION	L0000342	VOLUME	477552.278	3742573.444	452.93

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

\*\* Source Parameters \*\*

SRCPARAM VOL1	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL2	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL3	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL4	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL5	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL6	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL7	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL8	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL9	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL10	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL11	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL12	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL13	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL14	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL15	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL16	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL17	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL18	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL19	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL20	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL21	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL22	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL23	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL24	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL25	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL26	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL27	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL28	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL29	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL30	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL31	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL32	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL33	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL34	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL35	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL36	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL37	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL38	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL39	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL40	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL41	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL42	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL43	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL44	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL45	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL46	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL47	0.0006279155	5.000	16.116	1.400
SRCPARAM VOL48	0.0006279155	5.000	16.116	1.400

\*\* LINE VOLUME Source ID = SLINE1

SRCPARAM L0000001	0.000002407	3.49	4.00	3.25
SRCPARAM L0000002	0.000002407	3.49	4.00	3.25
SRCPARAM L0000003	0.000002407	3.49	4.00	3.25
SRCPARAM L0000004	0.000002407	3.49	4.00	3.25
SRCPARAM L0000005	0.000002407	3.49	4.00	3.25
SRCPARAM L0000006	0.000002407	3.49	4.00	3.25
SRCPARAM L0000007	0.000002407	3.49	4.00	3.25
SRCPARAM L0000008	0.000002407	3.49	4.00	3.25
SRCPARAM L0000009	0.000002407	3.49	4.00	3.25
SRCPARAM L0000010	0.000002407	3.49	4.00	3.25
SRCPARAM L0000011	0.000002407	3.49	4.00	3.25
SRCPARAM L0000012	0.000002407	3.49	4.00	3.25
SRCPARAM L0000013	0.000002407	3.49	4.00	3.25
SRCPARAM L0000014	0.000002407	3.49	4.00	3.25
SRCPARAM L0000015	0.000002407	3.49	4.00	3.25













```

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL1      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL1      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL2      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL2      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL3      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL3      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL4      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL4      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL5      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL5      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL5      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0

```



































































































































































EMISFACT L0000340 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000340 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000340 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000341 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000341 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000341 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000341 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000341 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000342 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000342 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000342 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
EMISFACT L0000342 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0  
SRCGROUP ALL

SO FINISHED

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

\*\*  
\*\*  
RE STARTING  
INCLUDED "13998 Construction.rou"  
RE FINISHED

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

\*\*  
\*\*  
ME STARTING  
SURFFILE PERI\_V9\_ADJU\PERI\_v9.SFC  
PROFFILE PERI\_V9\_ADJU\PERI\_v9.PFL  
SURFDATA 3171 2010  
UAIRDATA 3190 2010  
SITEDATA 99999 2010  
PROFBASE 442.0 METERS

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

\*\*  
\*\*  
OU STARTING  
\*\* Auto-Generated Plotfiles  
PLOTFILE ANNUAL ALL "13998 CONSTRUCTION.AD\AN00GALL.PLT" 31  
SUMMFILE "13998 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 5711 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50  
ME W187 5711 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 11:27:55

PAGE 1

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

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

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

-- DEPOSITION LOGIC --

\*\*NO GAS DEPOSITION Data Provided.

\*\*NO PARTICLE DEPOSITION Data Provided.

\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses URBAN Dispersion Algorithm for the SBL for 390 Source(s),  
for Total of 1 Urban Area(s):

Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m

\*\*Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

\*\*Other Options Specified:

ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET

CCVR\_Sub - Meteorological data includes CCVR substitutions

TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

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

\*\*Model Calculates ANNUAL Averages Only

\*\*This Run Includes: 390 Source(s); 1 Source Group(s); and 84 Receptor(s)

with: 0 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)  
and: 390 VOLUME source(s)  
and: 0 AREA type source(s)  
and: 0 LINE source(s)  
and: 0 RLINE/RLINEXT source(s)  
and: 0 OPENPIT source(s)  
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)

\*\*Model Set To Continue RUNning After the Setup Testing.

\*\*The AERMET Input Meteorological Data Version Date: 16216

\*\*Output Options Selected:


Model Outputs Tables of ANNUAL Averages by Receptor

Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)






VOL12	0	0.62792E-03	477078.9	3744821.1	454.0	5.00	16.12	1.40
YES HRDOW								
VOL13	0	0.62792E-03	477079.9	3744751.1	454.0	5.00	16.12	1.40
YES HRDOW								
VOL14	0	0.62792E-03	477148.7	3744751.1	453.4	5.00	16.12	1.40
YES HRDOW								
VOL15	0	0.62792E-03	477217.5	3744751.3	453.0	5.00	16.12	1.40
YES HRDOW								
VOL16	0	0.62792E-03	477287.5	3744750.1	452.0	5.00	16.12	1.40
YES HRDOW								
VOL17	0	0.62792E-03	477356.8	3744749.6	451.4	5.00	16.12	1.40
YES HRDOW								
VOL18	0	0.62792E-03	477393.2	3744750.1	451.0	5.00	16.12	1.40
YES HRDOW								
VOL19	0	0.62792E-03	477116.5	3744681.6	454.0	5.00	16.12	1.40
YES HRDOW								
VOL20	0	0.62792E-03	477185.8	3744680.8	453.1	5.00	16.12	1.40
YES HRDOW								
VOL21	0	0.62792E-03	477255.1	3744680.1	452.8	5.00	16.12	1.40
YES HRDOW								
VOL22	0	0.62792E-03	477323.9	3744679.8	452.0	5.00	16.12	1.40
YES HRDOW								
VOL23	0	0.62792E-03	477393.2	3744680.8	451.2	5.00	16.12	1.40
YES HRDOW								
VOL24	0	0.62792E-03	477079.9	3744681.6	454.0	5.00	16.12	1.40
YES HRDOW								
VOL25	0	0.62792E-03	477080.6	3744611.5	454.0	5.00	16.12	1.40
YES HRDOW								
VOL26	0	0.62792E-03	477149.7	3744611.8	454.0	5.00	16.12	1.40
YES HRDOW								
VOL27	0	0.62792E-03	477219.0	3744612.0	453.0	5.00	16.12	1.40
YES HRDOW								
VOL28	0	0.62792E-03	477288.3	3744610.8	452.7	5.00	16.12	1.40
YES HRDOW								
VOL29	0	0.62792E-03	477357.1	3744611.0	452.0	5.00	16.12	1.40
YES HRDOW								
VOL30	0	0.62792E-03	477393.2	3744611.3	452.0	5.00	16.12	1.40
YES HRDOW								
VOL31	0	0.62792E-03	477393.0	3744541.5	452.0	5.00	16.12	1.40
YES HRDOW								
VOL32	0	0.62792E-03	477323.4	3744541.5	452.8	5.00	16.12	1.40
YES HRDOW								
VOL33	0	0.62792E-03	477254.4	3744541.5	453.0	5.00	16.12	1.40
YES HRDOW								
VOL34	0	0.62792E-03	477185.1	3744542.7	454.0	5.00	16.12	1.40
YES HRDOW								
VOL35	0	0.62792E-03	477115.3	3744542.2	454.0	5.00	16.12	1.40
YES HRDOW								
VOL36	0	0.62792E-03	477080.6	3744541.7	454.0	5.00	16.12	1.40
YES HRDOW								
VOL37	0	0.62792E-03	477081.9	3744472.2	454.5	5.00	16.12	1.40
YES HRDOW								
VOL38	0	0.62792E-03	477151.7	3744472.9	454.0	5.00	16.12	1.40
YES HRDOW								
VOL39	0	0.62792E-03	477221.0	3744473.2	453.7	5.00	16.12	1.40
YES HRDOW								
VOL40	0	0.62792E-03	477291.0	3744472.4	453.0	5.00	16.12	1.40
YES HRDOW								

 \*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\*      06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      11:27:55





L0000043	0	0.24070E-05	477038.3	3744554.6	455.0	3.49	4.00	3.25
YES HRDOW								
L0000044	0	0.24070E-05	477038.5	3744546.0	455.0	3.49	4.00	3.25
YES HRDOW								
L0000045	0	0.24070E-05	477038.8	3744537.4	455.0	3.49	4.00	3.25
YES HRDOW								
L0000046	0	0.24070E-05	477039.0	3744528.8	455.0	3.49	4.00	3.25
YES HRDOW								
L0000047	0	0.24070E-05	477039.2	3744520.2	455.0	3.49	4.00	3.25
YES HRDOW								
L0000048	0	0.24070E-05	477039.4	3744511.6	455.0	3.49	4.00	3.25
YES HRDOW								
L0000049	0	0.24070E-05	477039.7	3744503.0	455.0	3.49	4.00	3.25
YES HRDOW								
L0000050	0	0.24070E-05	477039.9	3744494.4	455.0	3.49	4.00	3.25
YES HRDOW								
L0000051	0	0.24070E-05	477040.1	3744485.9	455.0	3.49	4.00	3.25
YES HRDOW								
L0000052	0	0.24070E-05	477040.3	3744477.3	455.0	3.49	4.00	3.25
YES HRDOW								
L0000053	0	0.24070E-05	477040.7	3744468.7	455.0	3.49	4.00	3.25
YES HRDOW								
L0000054	0	0.24070E-05	477041.1	3744460.1	455.0	3.49	4.00	3.25
YES HRDOW								
L0000055	0	0.24070E-05	477041.6	3744451.5	455.0	3.49	4.00	3.25
YES HRDOW								
L0000056	0	0.24070E-05	477042.0	3744443.0	455.0	3.49	4.00	3.25
YES HRDOW								
L0000057	0	0.24070E-05	477042.5	3744434.4	455.0	3.49	4.00	3.25
YES HRDOW								
L0000058	0	0.24070E-05	477043.0	3744425.8	455.0	3.49	4.00	3.25
YES HRDOW								
L0000059	0	0.24070E-05	477043.4	3744417.2	455.0	3.49	4.00	3.25
YES HRDOW								
L0000060	0	0.24070E-05	477043.9	3744408.6	455.0	3.49	4.00	3.25
YES HRDOW								
L0000061	0	0.24070E-05	477044.3	3744400.1	455.0	3.49	4.00	3.25
YES HRDOW								
L0000062	0	0.24070E-05	477044.8	3744391.5	455.0	3.49	4.00	3.25
YES HRDOW								
L0000063	0	0.24070E-05	477045.3	3744382.9	455.0	3.49	4.00	3.25
YES HRDOW								
L0000064	0	0.24070E-05	477045.7	3744374.3	455.0	3.49	4.00	3.25
YES HRDOW								
L0000065	0	0.24070E-05	477045.9	3744365.7	455.0	3.49	4.00	3.25
YES HRDOW								
L0000066	0	0.24070E-05	477046.1	3744357.2	455.0	3.49	4.00	3.25
YES HRDOW								
L0000067	0	0.24070E-05	477046.2	3744348.6	455.0	3.49	4.00	3.25
YES HRDOW								
L0000068	0	0.24070E-05	477046.4	3744340.0	455.2	3.49	4.00	3.25
YES HRDOW								
L0000069	0	0.24070E-05	477046.6	3744331.4	455.4	3.49	4.00	3.25
YES HRDOW								
L0000070	0	0.24070E-05	477046.8	3744322.8	455.6	3.49	4.00	3.25
YES HRDOW								
L0000071	0	0.24070E-05	477047.0	3744314.2	455.8	3.49	4.00	3.25
YES HRDOW								
L0000072	0	0.24070E-05	477047.2	3744305.6	455.8	3.49	4.00	3.25
YES HRDOW								

 \*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAS\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\*                      06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*

\*\*\* 11:27:55





L0000122	0	0.24070E-05	477124.2	3743886.6	457.0	3.49	4.00	3.25
YES HRDOW								
L0000123	0	0.24070E-05	477127.0	3743878.4	457.0	3.49	4.00	3.25
YES HRDOW								
L0000124	0	0.24070E-05	477129.7	3743870.3	457.0	3.49	4.00	3.25
YES HRDOW								
L0000125	0	0.24070E-05	477132.5	3743862.2	457.0	3.49	4.00	3.25
YES HRDOW								
L0000126	0	0.24070E-05	477135.3	3743854.0	457.0	3.49	4.00	3.25
YES HRDOW								
L0000127	0	0.24070E-05	477138.1	3743845.9	457.0	3.49	4.00	3.25
YES HRDOW								
L0000128	0	0.24070E-05	477140.9	3743837.8	457.0	3.49	4.00	3.25
YES HRDOW								
L0000129	0	0.24070E-05	477143.7	3743829.7	457.0	3.49	4.00	3.25
YES HRDOW								
L0000130	0	0.24070E-05	477146.5	3743821.5	457.0	3.49	4.00	3.25
YES HRDOW								
L0000131	0	0.24070E-05	477149.2	3743813.4	457.0	3.49	4.00	3.25
YES HRDOW								
L0000132	0	0.24070E-05	477152.0	3743805.3	457.0	3.49	4.00	3.25
YES HRDOW								
L0000133	0	0.24070E-05	477154.8	3743797.2	457.0	3.49	4.00	3.25
YES HRDOW								
L0000134	0	0.24070E-05	477157.6	3743789.0	457.0	3.49	4.00	3.25
YES HRDOW								
L0000135	0	0.24070E-05	477160.4	3743780.9	457.0	3.49	4.00	3.25
YES HRDOW								
L0000136	0	0.24070E-05	477163.2	3743772.8	457.0	3.49	4.00	3.25
YES HRDOW								
L0000137	0	0.24070E-05	477165.9	3743764.7	457.0	3.49	4.00	3.25
YES HRDOW								
L0000138	0	0.24070E-05	477168.7	3743756.5	457.0	3.49	4.00	3.25
YES HRDOW								
L0000139	0	0.24070E-05	477171.5	3743748.4	457.0	3.49	4.00	3.25
YES HRDOW								
L0000140	0	0.24070E-05	477174.3	3743740.3	457.0	3.49	4.00	3.25
YES HRDOW								
L0000141	0	0.24070E-05	477177.3	3743732.2	457.0	3.49	4.00	3.25
YES HRDOW								
L0000142	0	0.24070E-05	477180.2	3743724.1	457.0	3.49	4.00	3.25
YES HRDOW								
L0000143	0	0.24070E-05	477183.1	3743716.1	457.0	3.49	4.00	3.25
YES HRDOW								
L0000144	0	0.24070E-05	477186.0	3743708.0	457.0	3.49	4.00	3.25
YES HRDOW								
L0000145	0	0.24070E-05	477189.0	3743699.9	457.0	3.49	4.00	3.25
YES HRDOW								
L0000146	0	0.24070E-05	477191.9	3743691.8	457.0	3.49	4.00	3.25
YES HRDOW								
L0000147	0	0.24070E-05	477194.8	3743683.8	457.0	3.49	4.00	3.25
YES HRDOW								
L0000148	0	0.24070E-05	477197.8	3743675.7	457.0	3.49	4.00	3.25
YES HRDOW								
L0000149	0	0.24070E-05	477200.7	3743667.6	457.0	3.49	4.00	3.25
YES HRDOW								
L0000150	0	0.24070E-05	477203.6	3743659.5	457.0	3.49	4.00	3.25
YES HRDOW								
L0000151	0	0.24070E-05	477206.6	3743651.5	457.1	3.49	4.00	3.25
YES HRDOW								
L0000152	0	0.24070E-05	477209.5	3743643.4	457.2	3.49	4.00	3.25
YES HRDOW								

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55







L0000201	0	0.24070E-05	477358.4	3743250.2	455.4	3.49	4.00	3.25
YES HRDOW								
L0000202	0	0.24070E-05	477363.0	3743242.9	455.2	3.49	4.00	3.25
YES HRDOW								
L0000203	0	0.24070E-05	477367.5	3743235.6	455.1	3.49	4.00	3.25
YES HRDOW								
L0000204	0	0.24070E-05	477372.8	3743228.9	455.0	3.49	4.00	3.25
YES HRDOW								
L0000205	0	0.24070E-05	477378.4	3743222.3	455.0	3.49	4.00	3.25
YES HRDOW								
L0000206	0	0.24070E-05	477383.9	3743215.7	455.0	3.49	4.00	3.25
YES HRDOW								
L0000207	0	0.24070E-05	477389.4	3743209.2	455.0	3.49	4.00	3.25
YES HRDOW								
L0000208	0	0.24070E-05	477395.0	3743202.6	455.0	3.49	4.00	3.25
YES HRDOW								
L0000209	0	0.24070E-05	477400.5	3743196.0	455.0	3.49	4.00	3.25
YES HRDOW								
L0000210	0	0.24070E-05	477406.4	3743189.8	454.8	3.49	4.00	3.25
YES HRDOW								
L0000211	0	0.24070E-05	477412.5	3743183.7	454.6	3.49	4.00	3.25
YES HRDOW								
L0000212	0	0.24070E-05	477418.6	3743177.7	454.4	3.49	4.00	3.25
YES HRDOW								
L0000213	0	0.24070E-05	477424.7	3743171.6	454.2	3.49	4.00	3.25
YES HRDOW								
L0000214	0	0.24070E-05	477430.8	3743165.6	454.0	3.49	4.00	3.25
YES HRDOW								
L0000215	0	0.24070E-05	477436.9	3743159.5	454.0	3.49	4.00	3.25
YES HRDOW								
L0000216	0	0.24070E-05	477443.3	3743153.8	454.0	3.49	4.00	3.25
YES HRDOW								
L0000217	0	0.24070E-05	477449.9	3743148.4	454.0	3.49	4.00	3.25
YES HRDOW								
L0000218	0	0.24070E-05	477456.5	3743142.9	454.0	3.49	4.00	3.25
YES HRDOW								
L0000219	0	0.24070E-05	477463.1	3743137.4	453.9	3.49	4.00	3.25
YES HRDOW								
L0000220	0	0.24070E-05	477469.8	3743131.9	453.7	3.49	4.00	3.25
YES HRDOW								
L0000221	0	0.24070E-05	477476.4	3743126.5	453.4	3.49	4.00	3.25
YES HRDOW								
L0000222	0	0.24070E-05	477483.0	3743121.0	453.2	3.49	4.00	3.25
YES HRDOW								
L0000223	0	0.24070E-05	477489.6	3743115.5	453.0	3.49	4.00	3.25
YES HRDOW								
L0000224	0	0.24070E-05	477496.3	3743110.1	453.2	3.49	4.00	3.25
YES HRDOW								
L0000225	0	0.24070E-05	477502.9	3743104.6	453.2	3.49	4.00	3.25
YES HRDOW								
L0000226	0	0.24070E-05	477509.5	3743099.1	453.2	3.49	4.00	3.25
YES HRDOW								
L0000227	0	0.24070E-05	477516.1	3743093.6	453.1	3.49	4.00	3.25
YES HRDOW								
L0000228	0	0.24070E-05	477522.7	3743088.2	452.9	3.49	4.00	3.25
YES HRDOW								
L0000229	0	0.24070E-05	477529.4	3743082.7	452.7	3.49	4.00	3.25
YES HRDOW								
L0000230	0	0.24070E-05	477536.0	3743077.2	452.6	3.49	4.00	3.25
YES HRDOW								
L0000231	0	0.24070E-05	477542.6	3743071.8	452.6	3.49	4.00	3.25
YES HRDOW								
L0000232	0	0.24070E-05	477549.2	3743066.3	452.7	3.49	4.00	3.25
YES HRDOW								









L0000336	0	0.24070E-05	477603.8	3742572.2	452.0	3.49	4.00	3.25
YES HRDOW								
L0000337	0	0.24070E-05	477595.2	3742572.4	452.1	3.49	4.00	3.25
YES HRDOW								
L0000338	0	0.24070E-05	477586.6	3742572.6	452.1	3.49	4.00	3.25
YES HRDOW								
L0000339	0	0.24070E-05	477578.0	3742572.8	452.2	3.49	4.00	3.25
YES HRDOW								
L0000340	0	0.24070E-05	477569.5	3742573.0	452.4	3.49	4.00	3.25
YES HRDOW								
L0000341	0	0.24070E-05	477560.9	3742573.2	452.7	3.49	4.00	3.25
YES HRDOW								
L0000342	0	0.24070E-05	477552.3	3742573.4	452.9	3.49	4.00	3.25
YES HRDOW								

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 12

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

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

SRCGROUP ID	SOURCE IDs							
-----	-----							
ALL	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	, VOL6	, VOL7	, VOL8
VOL7	, VOL8	,	,	,	,	,	,	,
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	, VOL15	, VOL16
	VOL15	, VOL16	,	,	,	,	,	,
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	, VOL23	, VOL24
	VOL23	, VOL24	,	,	,	,	,	,
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	, VOL31	, VOL32
	VOL31	, VOL32	,	,	,	,	,	,
	VOL33	, VOL34	, VOL35	, VOL36	, VOL37	, VOL38	, VOL39	, VOL40
	VOL39	, VOL40	,	,	,	,	,	,
	VOL41	, VOL42	, VOL43	, VOL44	, VOL45	, VOL46	, VOL47	, VOL48
	VOL47	, VOL48	,	,	,	,	,	,
	L0000001	, L0000002	, L0000003	, L0000004	, L0000005	, L0000006	, L0000007	, L0000008
	L0000007	, L0000008	,	,	,	,	,	,
	L0000009	, L0000010	, L0000011	, L0000012	, L0000013	, L0000014	, L0000015	, L0000016
	L0000015	, L0000016	,	,	,	,	,	,
	L0000017	, L0000018	, L0000019	, L0000020	, L0000021	, L0000022	, L0000023	, L0000024
	L0000023	, L0000024	,	,	,	,	,	,
	L0000025	, L0000026	, L0000027	, L0000028	, L0000029	, L0000030	, L0000031	, L0000032
	L0000031	, L0000032	,	,	,	,	,	,
	L0000033	, L0000034	, L0000035	, L0000036	, L0000037	, L0000038	, L0000039	, L0000040
	L0000039	, L0000040	,	,	,	,	,	,
	L0000041	, L0000042	, L0000043	, L0000044	, L0000045	, L0000046	, L0000047	, L0000048
	L0000047	, L0000048	,	,	,	,	,	,
	L0000049	, L0000050	, L0000051	, L0000052	, L0000053	, L0000054	, L0000055	, L0000056



```

L0000055 , L0000056 ,
L0000057 , L0000058 , L0000059 , L0000060 , L0000061 , L0000062 ,
L0000063 , L0000064 ,
L0000065 , L0000066 , L0000067 , L0000068 , L0000069 , L0000070 ,
L0000071 , L0000072 ,
L0000073 , L0000074 , L0000075 , L0000076 , L0000077 , L0000078 ,
L0000079 , L0000080 ,
L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 ,
L0000087 , L0000088 ,
L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 ,
L0000095 , L0000096 ,
L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 ,
L0000103 , L0000104 ,
L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 ,
L0000111 , L0000112 ,

```

```

*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/16/22
*** AERMET - VERSION 16216 ***
*** *** 11:27:55

```

PAGE 13

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

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

SRCGROUP ID  
-----

SOURCE IDs  
-----

```

L0000113 , L0000114 , L0000115 , L0000116 , L0000117 , L0000118 ,
L0000119 , L0000120 ,
L0000121 , L0000122 , L0000123 , L0000124 , L0000125 , L0000126 ,
L0000127 , L0000128 ,
L0000129 , L0000130 , L0000131 , L0000132 , L0000133 , L0000134 ,
L0000135 , L0000136 ,
L0000137 , L0000138 , L0000139 , L0000140 , L0000141 , L0000142 ,
L0000143 , L0000144 ,
L0000145 , L0000146 , L0000147 , L0000148 , L0000149 , L0000150 ,
L0000151 , L0000152 ,
L0000153 , L0000154 , L0000155 , L0000156 , L0000157 , L0000158 ,
L0000159 , L0000160 ,
L0000161 , L0000162 , L0000163 , L0000164 , L0000165 , L0000166 ,
L0000167 , L0000168 ,
L0000169 , L0000170 , L0000171 , L0000172 , L0000173 , L0000174 ,
L0000175 , L0000176 ,
L0000177 , L0000178 , L0000179 , L0000180 , L0000181 , L0000182 ,
L0000183 , L0000184 ,
L0000185 , L0000186 , L0000187 , L0000188 , L0000189 , L0000190 ,
L0000191 , L0000192 ,

```

```

L0000193 , L0000194 , L0000195 , L0000196 , L0000197 , L0000198 ,
L0000199 , L0000200 ,

L0000201 , L0000202 , L0000203 , L0000204 , L0000205 , L0000206 ,
L0000207 , L0000208 ,

L0000209 , L0000210 , L0000211 , L0000212 , L0000213 , L0000214 ,
L0000215 , L0000216 ,

L0000217 , L0000218 , L0000219 , L0000220 , L0000221 , L0000222 ,
L0000223 , L0000224 ,

L0000225 , L0000226 , L0000227 , L0000228 , L0000229 , L0000230 ,
L0000231 , L0000232 ,

L0000233 , L0000234 , L0000235 , L0000236 , L0000237 , L0000238 ,
L0000239 , L0000240 ,

L0000241 , L0000242 , L0000243 , L0000244 , L0000245 , L0000246 ,
L0000247 , L0000248 ,

L0000249 , L0000250 , L0000251 , L0000252 , L0000253 , L0000254 ,
L0000255 , L0000256 ,

L0000257 , L0000258 , L0000259 , L0000260 , L0000261 , L0000262 ,
L0000263 , L0000264 ,

L0000265 , L0000266 , L0000267 , L0000268 , L0000269 , L0000270 ,
L0000271 , L0000272 ,

```

```

*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/16/22
*** AERMET - VERSION 16216 ***
*** *** 11:27:55

```

PAGE 14

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

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

SRCGROUP ID  
-----

SOURCE IDs  
-----

```

L0000273 , L0000274 , L0000275 , L0000276 , L0000277 , L0000278 ,
L0000279 , L0000280 ,

L0000281 , L0000282 , L0000283 , L0000284 , L0000285 , L0000286 ,
L0000287 , L0000288 ,

L0000289 , L0000290 , L0000291 , L0000292 , L0000293 , L0000294 ,
L0000295 , L0000296 ,

L0000297 , L0000298 , L0000299 , L0000300 , L0000301 , L0000302 ,
L0000303 , L0000304 ,

L0000305 , L0000306 , L0000307 , L0000308 , L0000309 , L0000310 ,
L0000311 , L0000312 ,

L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 ,
L0000319 , L0000320 ,

L0000321 , L0000322 , L0000323 , L0000324 , L0000325 , L0000326 ,
L0000327 , L0000328 ,

```

L0000329 , L0000330 , L0000331 , L0000332 , L0000333 , L0000334 ,  
L0000335 , L0000336 ,

L0000337 , L0000338 , L0000339 , L0000340 , L0000341 , L0000342 ,

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 15

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

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

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
	2189641.	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	,
	VOL6	, VOL7	,				
VOL8	,						
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,
	VOL15	, VOL16	,				
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,
	VOL23	, VOL24	,				
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,
	VOL31	, VOL32	,				
	VOL33	, VOL34	, VOL35	, VOL36	, VOL37	, VOL38	,
	VOL39	, VOL40	,				
	VOL41	, VOL42	, VOL43	, VOL44	, VOL45	, VOL46	,
	VOL47	, VOL48	,				
	L0000001	, L0000002	, L0000003	, L0000004	, L0000005	, L0000006	,
	L0000007	, L0000008	,				
	L0000009	, L0000010	, L0000011	, L0000012	, L0000013	, L0000014	,
	L0000015	, L0000016	,				
	L0000017	, L0000018	, L0000019	, L0000020	, L0000021	, L0000022	,
	L0000023	, L0000024	,				
	L0000025	, L0000026	, L0000027	, L0000028	, L0000029	, L0000030	,
	L0000031	, L0000032	,				
	L0000033	, L0000034	, L0000035	, L0000036	, L0000037	, L0000038	,
	L0000039	, L0000040	,				
	L0000041	, L0000042	, L0000043	, L0000044	, L0000045	, L0000046	,
	L0000047	, L0000048	,				
	L0000049	, L0000050	, L0000051	, L0000052	, L0000053	, L0000054	,
	L0000055	, L0000056	,				
	L0000057	, L0000058	, L0000059	, L0000060	, L0000061	, L0000062	,
	L0000063	, L0000064	,				
	L0000065	, L0000066	, L0000067	, L0000068	, L0000069	, L0000070	,
	L0000071	, L0000072	,				
	L0000073	, L0000074	, L0000075	, L0000076	, L0000077	, L0000078	,

L0000079 , L0000080 ,  
 L0000081 , L0000082 , L0000083 , L0000084 , L0000085 , L0000086 ,  
 L0000087 , L0000088 ,  
 L0000089 , L0000090 , L0000091 , L0000092 , L0000093 , L0000094 ,  
 L0000095 , L0000096 ,  
 L0000097 , L0000098 , L0000099 , L0000100 , L0000101 , L0000102 ,  
 L0000103 , L0000104 ,  
 L0000105 , L0000106 , L0000107 , L0000108 , L0000109 , L0000110 ,  
 L0000111 , L0000112 ,

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 11:27:55

PAGE 16

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

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

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0000113	L0000114	L0000115	L0000116	L0000117	L0000118		
L0000119	L0000120						
L0000121	L0000122	L0000123	L0000124	L0000125	L0000126		
L0000127	L0000128						
L0000129	L0000130	L0000131	L0000132	L0000133	L0000134		
L0000135	L0000136						
L0000137	L0000138	L0000139	L0000140	L0000141	L0000142		
L0000143	L0000144						
L0000145	L0000146	L0000147	L0000148	L0000149	L0000150		
L0000151	L0000152						
L0000153	L0000154	L0000155	L0000156	L0000157	L0000158		
L0000159	L0000160						
L0000161	L0000162	L0000163	L0000164	L0000165	L0000166		
L0000167	L0000168						
L0000169	L0000170	L0000171	L0000172	L0000173	L0000174		
L0000175	L0000176						
L0000177	L0000178	L0000179	L0000180	L0000181	L0000182		
L0000183	L0000184						
L0000185	L0000186	L0000187	L0000188	L0000189	L0000190		
L0000191	L0000192						
L0000193	L0000194	L0000195	L0000196	L0000197	L0000198		
L0000199	L0000200						
L0000201	L0000202	L0000203	L0000204	L0000205	L0000206		
L0000207	L0000208						
L0000209	L0000210	L0000211	L0000212	L0000213	L0000214		
L0000215	L0000216						

```

L0000217 , L0000218 , L0000219 , L0000220 , L0000221 , L0000222 ,
L0000223 , L0000224 ,

L0000225 , L0000226 , L0000227 , L0000228 , L0000229 , L0000230 ,
L0000231 , L0000232 ,

L0000233 , L0000234 , L0000235 , L0000236 , L0000237 , L0000238 ,
L0000239 , L0000240 ,

L0000241 , L0000242 , L0000243 , L0000244 , L0000245 , L0000246 ,
L0000247 , L0000248 ,

L0000249 , L0000250 , L0000251 , L0000252 , L0000253 , L0000254 ,
L0000255 , L0000256 ,

L0000257 , L0000258 , L0000259 , L0000260 , L0000261 , L0000262 ,
L0000263 , L0000264 ,

L0000265 , L0000266 , L0000267 , L0000268 , L0000269 , L0000270 ,
L0000271 , L0000272 ,

```

```

*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/16/22
*** AERMET - VERSION 16216 ***
*** *** 11:27:55

```

PAGE 17

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

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

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0000273	L0000274	L0000275	L0000276	L0000277	L0000278		
L0000279	L0000280						
L0000281	L0000282	L0000283	L0000284	L0000285	L0000286		
L0000287	L0000288						
L0000289	L0000290	L0000291	L0000292	L0000293	L0000294		
L0000295	L0000296						
L0000297	L0000298	L0000299	L0000300	L0000301	L0000302		
L0000303	L0000304						
L0000305	L0000306	L0000307	L0000308	L0000309	L0000310		
L0000311	L0000312						
L0000313	L0000314	L0000315	L0000316	L0000317	L0000318		
L0000319	L0000320						
L0000321	L0000322	L0000323	L0000324	L0000325	L0000326		
L0000327	L0000328						
L0000329	L0000330	L0000331	L0000332	L0000333	L0000334		
L0000335	L0000336						
L0000337	L0000338	L0000339	L0000340	L0000341	L0000342		

```

*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/16/22
*** AERMET - VERSION 16216 ***
*** *** 11:27:55

```

\*\*\* 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

\*\*\* 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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 20

\*\*\* 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 21

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

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

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 22

\*\*\* 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 23

\*\*\* 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 24

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 25

\*\*\* MODELOPTs: RegDEFAULT 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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 11:27:55

PAGE 26

\*\*\* 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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

\*\*\* 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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 29

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

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

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 30

\*\*\* MODELOPTs: RegDFAULT 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 31

\*\*\* 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 32

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

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

SOURCE ID = VOL15 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 33

\*\*\* 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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 34

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

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

SOURCE ID = VOL17 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 11:27:55

PAGE 35

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

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

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

.0000E+00 23 .0000E+00 24 .0000E+00  
\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 36

\*\*\* 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 37

\*\*\* 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 38

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 39

\*\*\* 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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 40

\*\*\* 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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 41

\*\*\* 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 :

HR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 11:27:55

PAGE 42

\*\*\* 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 :  
HR HOUR SCALAR HR HOUR SCALAR HR HOUR SCALAR HR HOUR SCALAR HR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 11:27:55

\*\*\* 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

\*\*\* 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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 45

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 46

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 47

\*\*\* 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 48

\*\*\* 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 49

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 50

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

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

(HRDOW) \*

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 51

\*\*\* 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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998



\*\*\* 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

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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

\*\*\* 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

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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 54

\*\*\* MODELOPTs: RegDFAULT 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 55

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

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

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

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\* 11:27:55

PAGE 56

\*\*\* 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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\* 11:27:55

PAGE 57

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 58

\*\*\* 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 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 59

\*\*\* 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 60

\*\*\* 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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 61

\*\*\* 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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 62

\*\*\* 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 63

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 64

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

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 65

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

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

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

-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 66

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

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



SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 67

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

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

SOURCE ID = L0000002 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* 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 = L0000003 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

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

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

SOURCE ID = L0000004 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 70

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

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

SOURCE ID = L0000005 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 71

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

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

SOURCE ID = L0000006 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 72

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

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

SOURCE ID = L0000007 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 73

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

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

SOURCE ID = L0000008 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 74

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

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

SOURCE ID = L0000009 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 75

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

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

SOURCE ID = L0000010 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* \*\*\* 11:27:55

PAGE 76

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 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 77

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

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

SOURCE ID = L0000012 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	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 78

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

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

SOURCE ID = L0000013 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 79

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

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

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

-----  
-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 80

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

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

SOURCE ID = L0000015 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

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



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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\* 11:27:55

PAGE 81

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

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

SOURCE ID = L0000016 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\* 11:27:55

PAGE 82

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

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

SOURCE ID = L0000017 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 83

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

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

SOURCE ID = L0000018 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

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

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

SOURCE ID = L0000019 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

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

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

SOURCE ID = L0000020 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00  
\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 86

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

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

SOURCE ID = L0000021 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 87

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

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

SOURCE ID = L0000022 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\* 11:27:55

PAGE 88

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

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

SOURCE ID = L0000023 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\* 11:27:55

PAGE 89

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

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

SOURCE ID = L0000024 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 90

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

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

SOURCE ID = L0000025 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 91

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

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

SOURCE ID = L0000026 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 92

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

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

SOURCE ID = L0000027 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

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

SOURCE ID = L0000028 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

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

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

SOURCE ID = L0000029 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY



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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 95

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 96

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

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

SOURCE ID = L0000031 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 97

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

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

SOURCE ID = L0000032 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 98

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

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

SOURCE ID = L0000032 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 99

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 100

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 11:27:55

PAGE 101

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

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

SOURCE ID = L0000036 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 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  
\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 102

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

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

SOURCE ID = L0000037 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 103

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

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

SOURCE ID = L0000038 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 104

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

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

SOURCE ID = L0000039 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 105

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

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

SOURCE ID = L0000040 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 106

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

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

SOURCE ID = L0000041 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 107

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

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

SOURCE ID = L0000042 ; SOURCE TYPE = VOLUME :

HR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 11:27:55

PAGE 108

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

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

SOURCE ID = L0000043 ; SOURCE TYPE = VOLUME :  
HR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 11:27:55



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

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

SOURCE ID = L0000044 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

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

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

SOURCE ID = L0000045 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 111

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

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

SOURCE ID = L0000046 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 112

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

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

SOURCE ID = L0000047 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 113

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

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

SOURCE ID = L0000048 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 114

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

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

SOURCE ID = L0000049 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\* 11:27:55

PAGE 115

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

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

SOURCE ID = L0000050 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\* 11:27:55

PAGE 116

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

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

(HRDOW) \*

SOURCE ID = L0000051 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 117

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

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

SOURCE ID = L0000052 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

PAGE 118

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

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

SOURCE ID = L0000053 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

PAGE 119

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\*      06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      11:27:55

PAGE 120

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

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

SOURCE ID = L0000055 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\*      06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      11:27:55

PAGE 121

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

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

SOURCE ID = L0000056 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 122

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

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

SOURCE ID = L0000057 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR
SCALAR HR SCALAR HR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 123

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

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

SOURCE ID = L0000058 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR
SCALAR HR SCALAR HR SCALAR



DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 124

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 125

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

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

SOURCE ID = L0000060 ; SOURCE TYPE = VOLUME :

Hourly scalar values for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly scalar values for Sunday (Days 1-7).

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998 Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\* 11:27:55

PAGE 126

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

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

SOURCE ID = L0000061 ; SOURCE TYPE = VOLUME :

Hourly scalar values for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly scalar values for Sunday (Days 1-7).

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00  
\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 127

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 128

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

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

SOURCE ID = L0000063 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 129

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

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

SOURCE ID = L0000064 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 130

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

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

SOURCE ID = L0000065 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 131

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

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

SOURCE ID = L0000066 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 132

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

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

SOURCE ID = L0000067 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 133

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

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

SOURCE ID = L0000068 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* 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 = L0000069 ; 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 (1-12) and 6 rows of scalar values for Weekday. Values range from .0000E+00 to .1000E+01.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday. All values are .0000E+00.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Sunday. All values are .0000E+00.

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

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

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

SOURCE ID = L0000070 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday. Values range from .0000E+00 to .1000E+01.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday. All values are .0000E+00.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 1 row of scalar values for Sunday. All values are .0000E+00.

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 136

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

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

SOURCE ID = L0000071 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 137

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

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

SOURCE ID = L0000072 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY



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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 138

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 139

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 140

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 141

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* \*\*\* 11:27:55

PAGE 142

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

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

SOURCE ID = L0000077 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

PAGE 143

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

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

SOURCE ID = L0000078 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 144

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

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

SOURCE ID = L0000079 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 145

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 146

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

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

SOURCE ID = L0000081 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 147

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

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

SOURCE ID = L0000082 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 148

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

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

SOURCE ID = L0000082 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 149

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

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

SOURCE ID = L0000084 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

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

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

SOURCE ID = L0000085 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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



.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00  
\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 152

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 153

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

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

SOURCE ID = L0000088 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 154

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

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

SOURCE ID = L0000089 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 155

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

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

SOURCE ID = L0000090 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 156

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

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

SOURCE ID = L0000091 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 157

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

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

SOURCE ID = L0000092 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 158

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

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

SOURCE ID = L0000093 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

PAGE 159

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

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

SOURCE ID = L0000094 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 160

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

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

SOURCE ID = L0000095 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 161

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

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

SOURCE ID = L0000096 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 162

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

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

SOURCE ID = L0000097 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 163

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 164

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 165

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 166

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



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

SOURCE ID = L0000101 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 11:27:55

PAGE 167

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

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

SOURCE ID = L0000102 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 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  
\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 168

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 169

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 170

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

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

\*\*\*

\*\*\*

11:27:55

PAGE 171

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

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

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

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 172

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 173

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

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

SOURCE ID = L0000108 ; SOURCE TYPE = VOLUME :

HR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 11:27:55

PAGE 174

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

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

SOURCE ID = L0000109 ; SOURCE TYPE = VOLUME :  
HR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 11:27:55

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

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

SOURCE ID = L0000110 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

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

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

SOURCE ID = L0000111 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 177

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

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

SOURCE ID = L0000112 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 178

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

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

SOURCE ID = L0000113 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 179

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

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

SOURCE ID = L0000114 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 180

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

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

SOURCE ID = L0000115 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY



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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 181

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

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

SOURCE ID = L0000116 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 182

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

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

(HRDOW) \*

SOURCE ID = L0000117 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 183

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

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000118 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

PAGE 184

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000119 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

PAGE 185

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000120 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 186

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000121 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 187

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000122 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 188

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000123 ; SOURCE TYPE = VOLUME :

Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour
SCALAR Hour SCALAR Hour SCALAR 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 189

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000123 ; SOURCE TYPE = VOLUME :

Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour
SCALAR Hour SCALAR Hour SCALAR 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 190

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000125 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000126 ; SOURCE TYPE = VOLUME :

Hourly scalar values for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly scalar values for Sunday (Days 1-7).

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998 Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 11:27:55

PAGE 192

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000127 ; SOURCE TYPE = VOLUME :

Hourly scalar values for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly scalar values for Sunday (Days 1-7).

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00  
\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 193

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000128 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 194

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000129 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14



.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 195

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000130 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 196

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000131 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 197

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000132 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 198

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000133 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 199

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000134 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* 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 = L0000135 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000136 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 202

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000137 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 203

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000138 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 204

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000139 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 205

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000140 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 206

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000141 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 207

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000142 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* \*\*\* 11:27:55

PAGE 208

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000143 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00





.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 211

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000146 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 212

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000147 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 213

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000148 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 214

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000148 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 215

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000150 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000151 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000152 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

```

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/16/22
*** AERMET - VERSION 16216 ***
***
*** 11:27:55

```

PAGE 218

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000153 ; SOURCE TYPE = VOLUME :

SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
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 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/16/22
*** AERMET - VERSION 16216 ***
***
*** 11:27:55

```

PAGE 219

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000154 ; SOURCE TYPE = VOLUME :

SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR	SCALAR
--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\*

\*\*\* 11:27:55

PAGE 220

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000155 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\*

\*\*\* 11:27:55

PAGE 221

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000156 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 222

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000157 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 223

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*



SOURCE ID = L0000158 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 224

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000159 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

PAGE 225

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000160 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 226

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000161 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 227

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000162 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 228

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000163 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00



DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 231

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000166 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 232

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000167 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 11:27:55

PAGE 233

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000168 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 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  
\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 234

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000169 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 235

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000170 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 236

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000171 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 237

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000172 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14



.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 238

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000173 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 239

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000174 ; SOURCE TYPE = VOLUME :

HR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 11:27:55

PAGE 240

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000175 ; SOURCE TYPE = VOLUME :  
HR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000176 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000177 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 243

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000178 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 244

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000179 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 245

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000180 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 246

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000181 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 247

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000182 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 248

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) \*

SOURCE ID = L0000183 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 249

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000184 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

PAGE 250

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000185 ; SOURCE TYPE = VOLUME :

Hourly scalar values for Weekdays (Hours 1-24).

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekdays (Hours 1-24).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturdays (Hours 1-24).

DAY OF WEEK = SUNDAY

Hourly scalar values for Sundays (Hours 1-24).

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

PAGE 251

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000186 ; SOURCE TYPE = VOLUME :

Hourly scalar values for Weekdays (Hours 1-24).

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekdays (Hours 1-24).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturdays (Hours 1-24).



DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 252

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000187 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 253

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000188 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
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 = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 254

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000189 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 255

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000190 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 256

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000191 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 257

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000192 ; SOURCE TYPE = VOLUME :

Hourly scalar values for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly scalar values for Sunday (Days 1-7).

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998 Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 11:27:55

PAGE 258

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000192 ; SOURCE TYPE = VOLUME :

Hourly scalar values for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly scalar values for Sunday (Days 1-7).

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00  
\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 259

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000194 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 260

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000195 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 11:27:55

PAGE 261

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000196 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 11:27:55

PAGE 262

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000197 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 263

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000198 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 264

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000199 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 265

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000200 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* 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 = L0000201 ; 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 (1-12) and 6 rows of scalar values for Weekday. Values range from .0000E+00 to .1000E+01.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday. All values are .0000E+00.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Sunday. All values are .0000E+00.

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000202 ; 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 (1-12) and 6 rows of scalar values for Weekday. Values range from .0000E+00 to .1000E+01.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday. All values are .0000E+00.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 1 row of scalar values for Sunday. All values are .0000E+00.

.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 268

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000203 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 269

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000204 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 270

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000205 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 271

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000206 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 272

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000207 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 273

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000208 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* \*\*\* 11:27:55

PAGE 274

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000209 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 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 275

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000210 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
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 276

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000211 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
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 = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 11:27:55

PAGE 277

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000212 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 11:27:55

PAGE 278

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000213 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 279

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000214 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 280

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000215 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR



SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 281

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000216 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000217 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000218 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00  
\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 284

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000219 ; SOURCE TYPE = VOLUME :

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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 285

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000220 ; SOURCE TYPE = VOLUME :

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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\*

\*\*\* 11:27:55

PAGE 286

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000221 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\*

\*\*\* 11:27:55

PAGE 287

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000222 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 288

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000223 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 289

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000224 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 290

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000225 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

PAGE 291

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000226 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 292

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000227 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 293

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000228 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 294

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000229 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00



DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 295

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000230 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 296

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000231 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 11:27:55

PAGE 297

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000232 ; SOURCE TYPE = VOLUME ;  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 11:27:55

PAGE 298

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000233 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 11:27:55

PAGE 299

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000234 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 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  
\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 300

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000235 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 301

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000236 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 302

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000237 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 303

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000238 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 304

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000239 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 305

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000240 ; SOURCE TYPE = VOLUME :

HR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 11:27:55

PAGE 306

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000241 ; SOURCE TYPE = VOLUME :  
HR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000242 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000243 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00



9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 309

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000244 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 310

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000245 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 311

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000246 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 312

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000247 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 313

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000248 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 314

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) \*

SOURCE ID = L0000249 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 315

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000250 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000251 ; 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000252 ; 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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 318

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000253 ; SOURCE TYPE = VOLUME :
HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL
SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 319

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000254 ; SOURCE TYPE = VOLUME :
HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL
SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 320

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000255 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR
SCALAR HR SCALAR HR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 321

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000255 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR
SCALAR HR SCALAR HR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	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 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\*      06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*      11:27:55

PAGE 322

\*\*\* MODELOPTs:      RegDFault    CONC    ELEV    URBAN    ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
 (HRDOW) \*

SOURCE ID = L0000257      ; SOURCE TYPE = VOLUME      :  
 HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR    SCALAR    HOUR  
 SCALAR    HOUR    SCALAR    HOUR    SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	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 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\*      06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*      \*\*\*      11:27:55

PAGE 323



\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000258 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sunday (Days 1-7).

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998 Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 11:27:55

PAGE 324

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000258 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sunday (Days 1-7).

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00  
\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 325

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000260 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 326

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000261 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 327

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000262 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 328

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000263 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 329

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000264 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 330

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000265 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 331

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000266 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* 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 = L0000267 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000268 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

```

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/16/22
*** AERMET - VERSION 16216 ***
***
*** 11:27:55

```

PAGE 334

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000269 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

```

DAY OF WEEK = SATURDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

```

DAY OF WEEK = SUNDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/16/22
*** AERMET - VERSION 16216 ***
***
*** 11:27:55

```

PAGE 335

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000270 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

```

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 336

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000271 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 337

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000272 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR



DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 338

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000273 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 339

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000274 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* \*\*\* 11:27:55

PAGE 340

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000275 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 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 341

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000276 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
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 342

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000277 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
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 = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 343

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000278 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 344

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000279 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 345

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000280 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 346

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000281 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 347

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000282 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000283 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000284 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00  
\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 350

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000285 ; SOURCE TYPE = VOLUME :

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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 351

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000286 ; SOURCE TYPE = VOLUME :

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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 352

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000287 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 353

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000288 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 354

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000289 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 355

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000290 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 356

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000291 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000292 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000293 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 359

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000294 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 360

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000295 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 361

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000296 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 362

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000297 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR



\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000299 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 365

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000300 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 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  
\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 366

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000301 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 367

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000302 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 368

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000303 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 369

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000304 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 370

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000305 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 371

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000306 ; SOURCE TYPE = VOLUME :

HR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 11:27:55

PAGE 372

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000307 ; SOURCE TYPE = VOLUME :  
HR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000308 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000309 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 375

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000310 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 376

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000311 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 377

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000312 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 378

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000313 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 379

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000314 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 380

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK



(HRDOW) \*

SOURCE ID = L0000315 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 381

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000316 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

PAGE 382

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000317 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

PAGE 383

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000318 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 384

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000319 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 385

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000320 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 386

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000321 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR
SCALAR HR SCALAR HR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 387

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000322 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR
SCALAR HR SCALAR HR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 388

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000323 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 389

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000324 ; SOURCE TYPE = VOLUME :

Hourly scalar values for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly scalar values for Sunday (Days 1-7).

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998 Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 11:27:55

PAGE 390

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000325 ; SOURCE TYPE = VOLUME :

Hourly scalar values for Weekday, Saturday, and Sunday.

DAY OF WEEK = WEEKDAY

Hourly scalar values for Weekday (Days 1-7).

DAY OF WEEK = SATURDAY

Hourly scalar values for Saturday (Days 1-7).

DAY OF WEEK = SUNDAY

Hourly scalar values for Sunday (Days 1-7).

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00  
\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 391

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000326 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 392

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000327 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 393

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000328 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

11:27:55

PAGE 394

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000329 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00



9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 395

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000330 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\* 11:27:55

PAGE 396

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000331 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 397

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000332 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* 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 = L0000333 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000334 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 400

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000335 ; SOURCE TYPE = VOLUME :

HRDOW SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 401

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000336 ; SOURCE TYPE = VOLUME :

HRDOW SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

-----  
-----

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 402

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000337 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
.1000E+01 15 .1000E+01 16 .1000E+01  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
.0000E+00 7 .0000E+00 8 .0000E+00  
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
.0000E+00 15 .0000E+00 16 .0000E+00  
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 403

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK  
(HRDOW) \*

SOURCE ID = L0000338 ; SOURCE TYPE = VOLUME :  
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 404

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) \*

SOURCE ID = L0000339 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. \*\*\* 06/16/22
\*\*\* AERMET - VERSION 16216 \*\*\*
\*\*\* 11:27:55

PAGE 405

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000340 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 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 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* \*\*\* 11:27:55

PAGE 406

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000341 ; SOURCE TYPE = VOLUME :  
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR  
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14  
 .1000E+01 15 .1000E+01 16 .1000E+01  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22  
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6  
 .0000E+00 7 .0000E+00 8 .0000E+00  
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14  
 .0000E+00 15 .0000E+00 16 .0000E+00  
 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 407

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) \*

SOURCE ID = L0000342 ; 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
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
	.1000E+01	15	.1000E+01	16	.1000E+01						
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 = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
	.0000E+00	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
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
	.0000E+00	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						

PAGE 408

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
 (METERS)

( 477060.1, 3744372.5, 455.0, 455.0, 0.0);	( 477075.0, 3744372.3, 455.0, 455.0, 0.0);
( 477081.0, 3744372.7, 455.0, 455.0, 0.0);	( 477107.9, 3744373.8, 454.8, 454.8, 0.0);
( 477124.1, 3744367.5, 454.4, 454.4, 0.0);	( 477136.5, 3744374.2, 454.1, 454.1, 0.0);
( 477195.5, 3744375.4, 454.0, 454.0, 0.0);	( 477060.9, 3744356.0, 455.0, 455.0, 0.0);
( 477207.6, 3744375.0, 454.0, 454.0, 0.0);	( 477381.0, 3744305.4, 453.2, 453.2, 0.0);
( 477118.5, 3744296.7, 455.0, 455.0, 0.0);	( 477490.5, 3744455.4, 452.0, 452.0, 0.0);
( 477668.6, 3744413.7, 451.0, 451.0, 0.0);	( 476881.0, 3744148.0, 457.0, 457.0, 0.0);
( 477111.9, 3745113.3, 453.6, 453.6, 0.0);	( 477349.5, 3745114.0, 451.0, 451.0, 0.0);
( 477515.7, 3745009.8, 450.0, 450.0, 0.0);	( 477454.2, 3745035.5, 450.0, 450.0, 0.0);



450.2, 450.2, 0.0);  
( 477015.7, 3745168.6, 454.0, 454.0, 0.0); ( 476433.5, 3744998.9,  
460.2, 460.2, 0.0);  
( 477469.1, 3745076.9, 450.0, 450.0, 0.0); ( 477469.4, 3745103.9,  
450.0, 450.0, 0.0);  
( 477470.5, 3745126.8, 450.0, 450.0, 0.0); ( 477594.7, 3745070.2,  
449.5, 449.5, 0.0);  
( 477649.5, 3744561.0, 450.0, 450.0, 0.0); ( 477647.5, 3744591.6,  
450.0, 450.0, 0.0);  
( 477648.6, 3744619.8, 450.0, 450.0, 0.0); ( 477647.8, 3744648.2,  
450.0, 450.0, 0.0);  
( 477146.8, 3744132.2, 456.0, 456.0, 0.0); ( 477147.9, 3744066.6,  
456.0, 456.0, 0.0);  
( 477147.3, 3744041.9, 456.0, 456.0, 0.0); ( 476686.0, 3744469.9,  
458.8, 458.8, 0.0);  
( 476485.3, 3744603.9, 461.2, 461.2, 0.0); ( 476555.4, 3744161.0,  
462.2, 462.2, 0.0);  
( 476555.2, 3744124.6, 462.5, 462.5, 0.0); ( 476708.8, 3744164.6,  
460.0, 460.0, 0.0);  
( 476605.3, 3744108.3, 462.0, 462.0, 0.0); ( 477233.1, 3744007.1,  
455.6, 455.6, 0.0);  
( 477233.5, 3743914.8, 456.0, 456.0, 0.0); ( 477354.6, 3743419.4,  
455.0, 455.0, 0.0);  
( 477196.0, 3743347.3, 457.0, 457.0, 0.0); ( 477137.2, 3743435.2,  
458.0, 458.0, 0.0);  
( 477985.5, 3742759.2, 447.0, 447.0, 0.0); ( 477985.5, 3742807.5,  
447.0, 447.0, 0.0);  
( 477983.7, 3742852.8, 447.5, 447.5, 0.0); ( 477247.6, 3742920.5,  
457.1, 457.1, 0.0);  
( 477338.1, 3742649.3, 456.1, 456.1, 0.0); ( 478077.3, 3742745.9,  
446.0, 446.0, 0.0);  
( 478076.7, 3742704.3, 446.0, 446.0, 0.0); ( 478073.7, 3742605.8,  
446.0, 446.0, 0.0);  
( 477036.3, 3742768.6, 462.1, 462.1, 0.0); ( 477013.9, 3742710.9,  
463.4, 463.4, 0.0);  
( 477018.0, 3742667.4, 464.0, 464.0, 0.0); ( 477016.7, 3742615.4,  
464.8, 464.8, 0.0);  
( 477608.1, 3744100.0, 452.0, 452.0, 0.0); ( 476543.8, 3745771.7,  
457.8, 457.8, 0.0);  
( 475779.1, 3744884.4, 472.0, 472.0, 0.0); ( 475781.0, 3744834.8,  
472.0, 472.0, 0.0);  
( 475781.0, 3744788.5, 472.0, 472.0, 0.0); ( 475791.0, 3744719.1,  
472.0, 472.0, 0.0);  
( 475791.5, 3744684.7, 472.0, 472.0, 0.0); ( 478158.5, 3742338.4,  
446.0, 446.0, 0.0);  
( 477253.0, 3745694.6, 452.0, 452.0, 0.0); ( 477157.8, 3745697.6,  
452.1, 452.1, 0.0);  
( 477155.1, 3745664.6, 452.2, 452.2, 0.0); ( 475761.7, 3745018.0,  
470.8, 470.8, 0.0);  
( 475773.1, 3745186.1, 469.2, 469.2, 0.0); ( 475881.6, 3745127.6,  
468.0, 468.0, 0.0);  
( 477597.8, 3745096.6, 449.4, 449.4, 0.0); ( 477596.6, 3745123.3,  
449.4, 449.4, 0.0);  
( 477955.0, 3744841.1, 447.8, 447.8, 0.0); ( 477712.7, 3744991.0,  
448.6, 448.6, 0.0);  
( 477936.5, 3745026.4, 447.1, 447.1, 0.0); ( 477736.9, 3744807.3,  
448.5, 448.5, 0.0);  
( 477463.2, 3745153.0, 450.0, 450.0, 0.0); ( 477467.9, 3745177.6,  
450.0, 450.0, 0.0);  
( 477469.2, 3745209.3, 450.0, 450.0, 0.0); ( 477462.7, 3745231.2,  
450.0, 450.0, 0.0);  
( 477462.2, 3745259.9, 450.0, 450.0, 0.0); ( 477596.1, 3745147.7,  
449.5, 449.5, 0.0);  
( 477594.4, 3745174.6, 449.5, 449.5, 0.0); ( 477595.2, 3745200.4,  
449.7, 449.7, 0.0);  
( 477594.7, 3745227.2, 450.0, 450.0, 0.0); ( 477595.6, 3745252.5,



WD	HT	REF	TA	HT											
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30
335.	9.1	282.5	5.5												
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
142.	9.1	280.9	5.5												
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
324.	9.1	280.4	5.5												
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40
294.	9.1	278.8	5.5												
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90
205.	9.1	278.1	5.5												
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40
3.	9.1	277.0	5.5												
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30
99.	9.1	277.0	5.5												
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90
319.	9.1	278.8	5.5												
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90
239.	9.1	284.2	5.5												
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40
188.	9.1	289.2	5.5												
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70
310.	9.1	290.9	5.5												
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20
357.	9.1	293.1	5.5												
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20
356.	9.1	293.8	5.5												
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20
50.	9.1	294.2	5.5												
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80
53.	9.1	293.8	5.5												
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80
11.	9.1	292.5	5.5												
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	0.64	0.90
351.	9.1	290.4	5.5												
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90
186.	9.1	287.5	5.5												
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90
275.	9.1	285.9	5.5												
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40
181.	9.1	285.4	5.5												
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30
318.	9.1	284.9	5.5												
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
196.	9.1	283.1	5.5												
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
330.	9.1	281.4	5.5												
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30
332.	9.1	280.9	5.5												

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/16/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*

\*\*\* 11:27:55

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S):  
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
477060.08	3744372.49	0.05236	477074.98	
3744372.30	0.06122			
477080.97	3744372.68	0.06561	477107.86	
3744373.84	0.07970			
477124.11	3744367.46	0.07084	477136.49	
3744374.23	0.07874			
477195.48	3744375.39	0.07839	477060.86	
3744356.05	0.04140			
477207.61	3744374.97	0.07673	477380.98	
3744305.37	0.03087			
477118.50	3744296.66	0.02669	477490.46	
3744455.43	0.03187			
477668.58	3744413.69	0.00791	476881.02	
3744148.03	0.00498			
477111.89	3745113.29	0.00871	477349.45	
3745114.03	0.00897			
477515.74	3745009.76	0.00860	477454.22	
3745035.49	0.01051			
477015.66	3745168.64	0.00549	476433.55	
3744998.95	0.00149			
477469.06	3745076.86	0.00788	477469.36	
3745103.93	0.00694			
477470.51	3745126.80	0.00626	477594.70	
3745070.21	0.00486			
477649.52	3744560.98	0.00863	477647.52	
3744591.57	0.00858			
477648.60	3744619.76	0.00833	477647.83	
3744648.25	0.00815			
477146.84	3744132.25	0.00953	477147.86	
3744066.56	0.00732			
477147.35	3744041.93	0.00676	476685.99	
3744469.93	0.00393			
476485.33	3744603.88	0.00204	476555.37	
3744160.98	0.00228			
476555.17	3744124.59	0.00220	476708.76	
3744164.61	0.00326			
476605.31	3744108.33	0.00240	477233.14	
3744007.11	0.00634			
477233.51	3743914.78	0.00479	477354.60	
3743419.36	0.00261			
477195.95	3743347.28	0.00171	477137.19	
3743435.19	0.00173			
477985.54	3742759.23	0.00118	477985.54	
3742807.54	0.00117			
477983.73	3742852.83	0.00118	477247.56	

3742920.47	0.00097		
477338.15	3742649.32	0.00081	478077.34
3742745.94	0.00101		
478076.73	3742704.27	0.00100	478073.71
3742605.83	0.00095		
477036.28	3742768.62	0.00074	477013.90
3742710.93	0.00071		
477018.00	3742667.43	0.00069	477016.74
3742615.41	0.00066		
477608.13	3744100.00	0.00723	476543.81
3745771.70	0.00101		
475779.08	3744884.39	0.00067	475780.97
3744834.81	0.00068		
475780.97	3744788.54	0.00069	475791.01
3744719.15	0.00070		
475791.45	3744684.67	0.00070	478158.55
3742338.43	0.00075		
477253.02	3745694.62	0.00169	477157.80
3745697.65	0.00168		
477155.10	3745664.56	0.00178	475761.72
3745017.99	0.00065		
475773.11	3745186.10	0.00063	475881.63
3745127.65	0.00070		
477597.84	3745096.57	0.00449	477596.59
3745123.34	0.00421		
477955.00	3744841.13	0.00198	477712.66
3744991.00	0.00364		
477936.51	3745026.40	0.00183	477736.89
3744807.33	0.00418		
477463.22	3745153.00	0.00575	477467.88
3745177.64	0.00517		
477469.21	3745209.27	0.00461	477462.72
3745231.24	0.00434		
477462.22	3745259.87	0.00397	477596.06
3745147.68	0.00396		

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 412

\*\*\* 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
477594.39	3745174.64	0.00372	477595.23	
3745200.45	0.00349			
477594.73	3745227.25	0.00328	477595.56	

3745252.55 0.00309

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 413

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5  
YEARS \*\*\*

\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3 \*\*

NETWORK

GROUP ID NETWORK AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL,  
ZFLAG) OF TYPE GRID-ID

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
ALL	1ST HIGHEST VALUE IS	0.07970 AT (	477107.86, 3744373.84, 454.75,
454.75,	0.00) DC		
	2ND HIGHEST VALUE IS	0.07874 AT (	477136.49, 3744374.23, 454.05,
	454.05, 0.00) DC		
	3RD HIGHEST VALUE IS	0.07839 AT (	477195.48, 3744375.39, 454.00,
	454.00, 0.00) DC		
	4TH HIGHEST VALUE IS	0.07673 AT (	477207.61, 3744374.97, 454.00,
	454.00, 0.00) DC		
	5TH HIGHEST VALUE IS	0.07084 AT (	477124.11, 3744367.46, 454.43,
	454.43, 0.00) DC		
	6TH HIGHEST VALUE IS	0.06561 AT (	477080.97, 3744372.68, 455.00,
	455.00, 0.00) DC		
	7TH HIGHEST VALUE IS	0.06122 AT (	477074.98, 3744372.30, 455.00,
	455.00, 0.00) DC		
	8TH HIGHEST VALUE IS	0.05236 AT (	477060.08, 3744372.49, 455.00,
	455.00, 0.00) DC		
	9TH HIGHEST VALUE IS	0.04140 AT (	477060.86, 3744356.05, 455.00,
	455.00, 0.00) DC		
	10TH HIGHEST VALUE IS	0.03187 AT (	477490.46, 3744455.43, 452.00,
	452.00, 0.00) DC		

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/16/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 11:27:55

PAGE 414

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* Message Summary : AERMOD Model Execution \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
A Total of 4 Warning Message(s)  
A Total of 2028 Informational Message(s)  
A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified ( 2.40 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*

\*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

ME W186	5711	MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	5711	MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	2 year gap

\*\*\*\*\*  
\*\*\* AERMOD Finishes Successfully \*\*\*  
\*\*\*\*\*

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 6/14/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998 Ops\13998 Ops.ADI
**

```

```

*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
  TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998 Ops\13998 Ops.
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  URBANOPT 2189641
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "13998 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 = IDLEW
** DESCRSRC Idling W
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 477125.367, 3744778.142, 453.93, 3.49, 4.00
** 477124.078, 3744499.269, 454.00, 3.49, 4.00
** -----

```

LOCATION	VOLUME	X Coord.	Y Coord.	Z Coord.
L0001027	477125.347	3744773.847	454.00	
L0001028	477125.308	3744765.258	454.00	
L0001029	477125.268	3744756.668	454.00	
L0001030	477125.228	3744748.078	454.00	
L0001031	477125.188	3744739.488	454.00	
L0001032	477125.149	3744730.898	454.00	
L0001033	477125.109	3744722.308	454.00	
L0001034	477125.069	3744713.718	454.00	
L0001035	477125.030	3744705.128	454.00	
L0001036	477124.990	3744696.538	454.00	
L0001037	477124.950	3744687.948	454.00	
L0001038	477124.910	3744679.358	454.00	
L0001039	477124.871	3744670.769	454.00	
L0001040	477124.831	3744662.179	454.00	
L0001041	477124.791	3744653.589	454.00	
L0001042	477124.752	3744644.999	454.00	
L0001043	477124.712	3744636.409	454.00	



LOCATION L0001044	VOLUME	477124.672	3744627.819	454.00
LOCATION L0001045	VOLUME	477124.633	3744619.229	454.00
LOCATION L0001046	VOLUME	477124.593	3744610.639	454.00
LOCATION L0001047	VOLUME	477124.553	3744602.049	454.00
LOCATION L0001048	VOLUME	477124.513	3744593.459	454.00
LOCATION L0001049	VOLUME	477124.474	3744584.869	454.00
LOCATION L0001050	VOLUME	477124.434	3744576.280	454.00
LOCATION L0001051	VOLUME	477124.394	3744567.690	454.00
LOCATION L0001052	VOLUME	477124.355	3744559.100	454.00
LOCATION L0001053	VOLUME	477124.315	3744550.510	454.00
LOCATION L0001054	VOLUME	477124.275	3744541.920	454.00
LOCATION L0001055	VOLUME	477124.235	3744533.330	454.00
LOCATION L0001056	VOLUME	477124.196	3744524.740	454.00
LOCATION L0001057	VOLUME	477124.156	3744516.150	454.00
LOCATION L0001058	VOLUME	477124.116	3744507.560	454.00

\*\* End of LINE VOLUME Source ID = IDLEW

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = IDLEE

\*\* DESCRSRC Idling E

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.0

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 477352.247, 3744775.994, 451.69, 3.49, 4.00

\*\* 477349.669, 3744498.410, 452.84, 3.49, 4.00

\*\*

LOCATION L0001059	VOLUME	477352.207	3744771.699	451.59
LOCATION L0001060	VOLUME	477352.127	3744763.109	451.59
LOCATION L0001061	VOLUME	477352.048	3744754.520	451.59
LOCATION L0001062	VOLUME	477351.968	3744745.930	451.60
LOCATION L0001063	VOLUME	477351.888	3744737.341	451.60
LOCATION L0001064	VOLUME	477351.808	3744728.751	451.60
LOCATION L0001065	VOLUME	477351.728	3744720.161	451.60
LOCATION L0001066	VOLUME	477351.649	3744711.572	451.61
LOCATION L0001067	VOLUME	477351.569	3744702.982	451.65
LOCATION L0001068	VOLUME	477351.489	3744694.392	451.76
LOCATION L0001069	VOLUME	477351.409	3744685.803	451.88
LOCATION L0001070	VOLUME	477351.330	3744677.213	451.99
LOCATION L0001071	VOLUME	477351.250	3744668.624	452.00
LOCATION L0001072	VOLUME	477351.170	3744660.034	452.00
LOCATION L0001073	VOLUME	477351.090	3744651.444	452.00
LOCATION L0001074	VOLUME	477351.010	3744642.855	452.00
LOCATION L0001075	VOLUME	477350.931	3744634.265	452.00
LOCATION L0001076	VOLUME	477350.851	3744625.675	452.00
LOCATION L0001077	VOLUME	477350.771	3744617.086	452.00
LOCATION L0001078	VOLUME	477350.691	3744608.496	452.00
LOCATION L0001079	VOLUME	477350.612	3744599.907	452.00
LOCATION L0001080	VOLUME	477350.532	3744591.317	452.00
LOCATION L0001081	VOLUME	477350.452	3744582.727	452.00
LOCATION L0001082	VOLUME	477350.372	3744574.138	452.00
LOCATION L0001083	VOLUME	477350.292	3744565.548	452.00
LOCATION L0001084	VOLUME	477350.213	3744556.958	452.00
LOCATION L0001085	VOLUME	477350.133	3744548.369	452.17
LOCATION L0001086	VOLUME	477350.053	3744539.779	452.36
LOCATION L0001087	VOLUME	477349.973	3744531.189	452.55
LOCATION L0001088	VOLUME	477349.894	3744522.600	452.67
LOCATION L0001089	VOLUME	477349.814	3744514.010	452.67
LOCATION L0001090	VOLUME	477349.734	3744505.421	452.67

\*\* End of LINE VOLUME Source ID = IDLEE

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = DW3

\*\* DESCRSRC Onsite DW 3 50%  
\*\* PREFIX  
\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 1.0  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 477044.584, 3744820.682, 454.00, 3.49, 4.00  
\*\* 477096.148, 3744820.253, 454.00, 3.49, 4.00

---

LOCATION L0001091	VOLUME	477048.879	3744820.647	454.00
LOCATION L0001092	VOLUME	477057.469	3744820.575	454.00
LOCATION L0001093	VOLUME	477066.058	3744820.503	454.00
LOCATION L0001094	VOLUME	477074.648	3744820.432	454.00
LOCATION L0001095	VOLUME	477083.238	3744820.360	454.00
LOCATION L0001096	VOLUME	477091.827	3744820.289	454.00

\*\* End of LINE VOLUME Source ID = DW3

---

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = ONW

\*\* DESCRSRC Onsite W 50%

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.0

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 477101.734, 3744821.542, 454.00, 3.49, 4.00

\*\* 477103.023, 3744496.261, 454.00, 3.49, 4.00

---

LOCATION L0001097	VOLUME	477101.751	3744817.247	454.00
LOCATION L0001098	VOLUME	477101.785	3744808.657	454.00
LOCATION L0001099	VOLUME	477101.819	3744800.067	454.00
LOCATION L0001100	VOLUME	477101.853	3744791.477	454.00
LOCATION L0001101	VOLUME	477101.887	3744782.887	454.00
LOCATION L0001102	VOLUME	477101.921	3744774.297	454.00
LOCATION L0001103	VOLUME	477101.955	3744765.707	454.00
LOCATION L0001104	VOLUME	477101.989	3744757.117	454.00
LOCATION L0001105	VOLUME	477102.023	3744748.527	454.00
LOCATION L0001106	VOLUME	477102.057	3744739.937	454.00
LOCATION L0001107	VOLUME	477102.091	3744731.348	454.00
LOCATION L0001108	VOLUME	477102.125	3744722.758	454.00
LOCATION L0001109	VOLUME	477102.159	3744714.168	454.00
LOCATION L0001110	VOLUME	477102.193	3744705.578	454.00
LOCATION L0001111	VOLUME	477102.227	3744696.988	454.00
LOCATION L0001112	VOLUME	477102.261	3744688.398	454.00
LOCATION L0001113	VOLUME	477102.295	3744679.808	454.00
LOCATION L0001114	VOLUME	477102.330	3744671.218	454.00
LOCATION L0001115	VOLUME	477102.364	3744662.628	454.00
LOCATION L0001116	VOLUME	477102.398	3744654.038	454.00
LOCATION L0001117	VOLUME	477102.432	3744645.448	454.00
LOCATION L0001118	VOLUME	477102.466	3744636.858	454.00
LOCATION L0001119	VOLUME	477102.500	3744628.268	454.00
LOCATION L0001120	VOLUME	477102.534	3744619.678	454.00
LOCATION L0001121	VOLUME	477102.568	3744611.088	454.00
LOCATION L0001122	VOLUME	477102.602	3744602.499	454.00
LOCATION L0001123	VOLUME	477102.636	3744593.909	454.00
LOCATION L0001124	VOLUME	477102.670	3744585.319	454.00
LOCATION L0001125	VOLUME	477102.704	3744576.729	454.00
LOCATION L0001126	VOLUME	477102.738	3744568.139	454.00
LOCATION L0001127	VOLUME	477102.772	3744559.549	454.00
LOCATION L0001128	VOLUME	477102.806	3744550.959	454.00
LOCATION L0001129	VOLUME	477102.840	3744542.369	454.00
LOCATION L0001130	VOLUME	477102.874	3744533.779	454.00

LOCATION L0001131 VOLUME 477102.908 3744525.189 454.00  
LOCATION L0001132 VOLUME 477102.942 3744516.599 454.00  
LOCATION L0001133 VOLUME 477102.976 3744508.009 454.00  
LOCATION L0001134 VOLUME 477103.010 3744499.419 454.00

\*\* End of LINE VOLUME Source ID = ONW

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = DW2

\*\* DESCRSRC Onsite DW 2 50%

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.0

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 477043.295, 3744569.310, 454.88, 3.49, 4.00

\*\* 477090.991, 3744569.310, 454.00, 3.49, 4.00

\*\* -----

LOCATION L0001135 VOLUME 477047.590 3744569.310 454.74  
LOCATION L0001136 VOLUME 477056.180 3744569.310 454.46  
LOCATION L0001137 VOLUME 477064.770 3744569.310 454.17  
LOCATION L0001138 VOLUME 477073.360 3744569.310 454.00  
LOCATION L0001139 VOLUME 477081.950 3744569.310 454.00  
LOCATION L0001140 VOLUME 477090.540 3744569.310 454.00

\*\* End of LINE VOLUME Source ID = DW2

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = ONE

\*\* DESCRSRC Onsite 50% E

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.0

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 5

\*\* 477101.734, 3744822.401, 454.00, 3.49, 4.00

\*\* 477108.609, 3744830.565, 454.00, 3.49, 4.00

\*\* 477359.122, 3744827.987, 451.32, 3.49, 4.00

\*\* 477369.865, 3744821.112, 451.04, 3.49, 4.00

\*\* 477368.146, 3744494.972, 452.03, 3.49, 4.00

\*\* -----

LOCATION L0001141 VOLUME 477104.500 3744825.686 454.00  
LOCATION L0001142 VOLUME 477110.820 3744830.543 453.95  
LOCATION L0001143 VOLUME 477119.410 3744830.454 453.91  
LOCATION L0001144 VOLUME 477127.999 3744830.366 453.87  
LOCATION L0001145 VOLUME 477136.589 3744830.277 453.67  
LOCATION L0001146 VOLUME 477145.179 3744830.189 453.42  
LOCATION L0001147 VOLUME 477153.768 3744830.101 453.18  
LOCATION L0001148 VOLUME 477162.358 3744830.012 453.00  
LOCATION L0001149 VOLUME 477170.947 3744829.924 453.00  
LOCATION L0001150 VOLUME 477179.537 3744829.835 453.00  
LOCATION L0001151 VOLUME 477188.126 3744829.747 453.00  
LOCATION L0001152 VOLUME 477196.716 3744829.659 453.00  
LOCATION L0001153 VOLUME 477205.305 3744829.570 453.00  
LOCATION L0001154 VOLUME 477213.895 3744829.482 453.00  
LOCATION L0001155 VOLUME 477222.484 3744829.393 452.91  
LOCATION L0001156 VOLUME 477231.074 3744829.305 452.63  
LOCATION L0001157 VOLUME 477239.664 3744829.217 452.34  
LOCATION L0001158 VOLUME 477248.253 3744829.128 452.05  
LOCATION L0001159 VOLUME 477256.843 3744829.040 452.00  
LOCATION L0001160 VOLUME 477265.432 3744828.951 452.00  
LOCATION L0001161 VOLUME 477274.022 3744828.863 452.00  
LOCATION L0001162 VOLUME 477282.611 3744828.775 452.00  
LOCATION L0001163 VOLUME 477291.201 3744828.686 452.00

LOCATION L0001164	VOLUME	477299.790	3744828.598	452.00
LOCATION L0001165	VOLUME	477308.380	3744828.509	452.00
LOCATION L0001166	VOLUME	477316.969	3744828.421	452.00
LOCATION L0001167	VOLUME	477325.559	3744828.333	452.00
LOCATION L0001168	VOLUME	477334.149	3744828.244	452.00
LOCATION L0001169	VOLUME	477342.738	3744828.156	451.90
LOCATION L0001170	VOLUME	477351.328	3744828.067	451.62
LOCATION L0001171	VOLUME	477359.792	3744827.559	451.34
LOCATION L0001172	VOLUME	477367.027	3744822.928	451.09
LOCATION L0001173	VOLUME	477369.837	3744815.891	451.00
LOCATION L0001174	VOLUME	477369.792	3744807.301	451.00
LOCATION L0001175	VOLUME	477369.747	3744798.711	451.00
LOCATION L0001176	VOLUME	477369.701	3744790.122	451.01
LOCATION L0001177	VOLUME	477369.656	3744781.532	451.01
LOCATION L0001178	VOLUME	477369.611	3744772.942	451.01
LOCATION L0001179	VOLUME	477369.565	3744764.352	451.01
LOCATION L0001180	VOLUME	477369.520	3744755.762	451.01
LOCATION L0001181	VOLUME	477369.475	3744747.172	451.01
LOCATION L0001182	VOLUME	477369.430	3744738.582	451.01
LOCATION L0001183	VOLUME	477369.384	3744729.992	451.02
LOCATION L0001184	VOLUME	477369.339	3744721.403	451.02
LOCATION L0001185	VOLUME	477369.294	3744712.813	451.02
LOCATION L0001186	VOLUME	477369.249	3744704.223	451.08
LOCATION L0001187	VOLUME	477369.203	3744695.633	451.37
LOCATION L0001188	VOLUME	477369.158	3744687.043	451.65
LOCATION L0001189	VOLUME	477369.113	3744678.453	451.93
LOCATION L0001190	VOLUME	477369.068	3744669.863	452.00
LOCATION L0001191	VOLUME	477369.022	3744661.273	452.00
LOCATION L0001192	VOLUME	477368.977	3744652.684	452.00
LOCATION L0001193	VOLUME	477368.932	3744644.094	452.00
LOCATION L0001194	VOLUME	477368.886	3744635.504	452.00
LOCATION L0001195	VOLUME	477368.841	3744626.914	452.00
LOCATION L0001196	VOLUME	477368.796	3744618.324	452.00
LOCATION L0001197	VOLUME	477368.751	3744609.734	452.00
LOCATION L0001198	VOLUME	477368.705	3744601.144	452.00
LOCATION L0001199	VOLUME	477368.660	3744592.554	452.00
LOCATION L0001200	VOLUME	477368.615	3744583.964	452.00
LOCATION L0001201	VOLUME	477368.570	3744575.375	452.00
LOCATION L0001202	VOLUME	477368.524	3744566.785	452.00
LOCATION L0001203	VOLUME	477368.479	3744558.195	452.00
LOCATION L0001204	VOLUME	477368.434	3744549.605	452.01
LOCATION L0001205	VOLUME	477368.388	3744541.015	452.02
LOCATION L0001206	VOLUME	477368.343	3744532.425	452.04
LOCATION L0001207	VOLUME	477368.298	3744523.835	452.05
LOCATION L0001208	VOLUME	477368.253	3744515.245	452.05
LOCATION L0001209	VOLUME	477368.207	3744506.656	452.06
LOCATION L0001210	VOLUME	477368.162	3744498.066	452.06

\*\* End of LINE VOLUME Source ID = ONE

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = NEV50

\*\* DESCRSRC Nevada 50%

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.0

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 477038.361, 3744821.275, 454.00, 3.49, 4.00

\*\* 477037.996, 3744569.540, 454.91, 3.49, 4.00

\*\*

LOCATION L0001211	VOLUME	477038.355	3744816.980	454.00
LOCATION L0001212	VOLUME	477038.342	3744808.390	454.00
LOCATION L0001213	VOLUME	477038.330	3744799.800	454.00
LOCATION L0001214	VOLUME	477038.317	3744791.210	454.01

LOCATION L0001215	VOLUME	477038.305	3744782.620	454.02
LOCATION L0001216	VOLUME	477038.292	3744774.030	454.04
LOCATION L0001217	VOLUME	477038.280	3744765.440	454.05
LOCATION L0001218	VOLUME	477038.267	3744756.850	454.05
LOCATION L0001219	VOLUME	477038.255	3744748.260	454.05
LOCATION L0001220	VOLUME	477038.242	3744739.670	454.05
LOCATION L0001221	VOLUME	477038.230	3744731.080	454.05
LOCATION L0001222	VOLUME	477038.218	3744722.490	454.05
LOCATION L0001223	VOLUME	477038.205	3744713.900	454.06
LOCATION L0001224	VOLUME	477038.193	3744705.310	454.06
LOCATION L0001225	VOLUME	477038.180	3744696.720	454.06
LOCATION L0001226	VOLUME	477038.168	3744688.130	454.06
LOCATION L0001227	VOLUME	477038.155	3744679.540	454.06
LOCATION L0001228	VOLUME	477038.143	3744670.950	454.06
LOCATION L0001229	VOLUME	477038.130	3744662.360	454.06
LOCATION L0001230	VOLUME	477038.118	3744653.770	454.06
LOCATION L0001231	VOLUME	477038.105	3744645.181	454.09
LOCATION L0001232	VOLUME	477038.093	3744636.591	454.36
LOCATION L0001233	VOLUME	477038.080	3744628.001	454.63
LOCATION L0001234	VOLUME	477038.068	3744619.411	454.90
LOCATION L0001235	VOLUME	477038.055	3744610.821	455.00
LOCATION L0001236	VOLUME	477038.043	3744602.231	455.00
LOCATION L0001237	VOLUME	477038.031	3744593.641	455.00
LOCATION L0001238	VOLUME	477038.018	3744585.051	455.00
LOCATION L0001239	VOLUME	477038.006	3744576.461	455.00

\*\* End of LINE VOLUME Source ID = NEV50

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = NEV100

\*\* DESCRSRC Nevada 100%

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.0

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 31

\*\* 477038.726, 3744569.540, 454.91, 3.49, 4.00

\*\* 477039.092, 3744505.602, 454.95, 3.49, 4.00

\*\* 477047.115, 3744298.690, 455.82, 3.49, 4.00

\*\* 477050.836, 3744193.823, 456.00, 3.49, 4.00

\*\* 477053.316, 3744141.046, 456.05, 3.49, 4.00

\*\* 477056.348, 3744116.104, 456.13, 3.49, 4.00

\*\* 477062.687, 3744079.311, 456.09, 3.49, 4.00

\*\* 477074.813, 3744027.498, 456.88, 3.49, 4.00

\*\* 477095.207, 3743966.590, 456.16, 3.49, 4.00

\*\* 477121.114, 3743895.347, 456.96, 3.49, 4.00

\*\* 477144.678, 3743822.037, 457.00, 3.49, 4.00

\*\* 477202.279, 3743661.499, 457.13, 3.49, 4.00

\*\* 477242.103, 3743550.708, 456.94, 3.49, 4.00

\*\* 477280.549, 3743450.526, 456.99, 3.49, 4.00

\*\* 477328.366, 3743315.344, 455.54, 3.49, 4.00

\*\* 477357.029, 3743252.920, 455.63, 3.49, 4.00

\*\* 477371.498, 3743231.286, 455.04, 3.49, 4.00

\*\* 477396.853, 3743198.765, 454.94, 3.49, 4.00

\*\* 477441.225, 3743156.598, 454.07, 3.49, 4.00

\*\* 477497.172, 3743110.434, 453.18, 3.49, 4.00

\*\* 477604.656, 3743021.002, 451.96, 3.49, 4.00

\*\* 477753.619, 3742896.292, 449.93, 3.49, 4.00

\*\* 477770.706, 3742880.170, 449.79, 3.49, 4.00

\*\* 477786.829, 3742861.153, 449.10, 3.49, 4.00

\*\* 477823.346, 3742807.824, 449.00, 3.49, 4.00

\*\* 477848.150, 3742754.909, 448.01, 3.49, 4.00

\*\* 477863.308, 3742698.824, 448.00, 3.49, 4.00

\*\* 477869.509, 3742646.597, 448.00, 3.49, 4.00

\*\* 477869.234, 3742626.203, 448.00, 3.49, 4.00

\*\* 477868.372, 3742567.686, 448.21, 3.49, 4.00

\*\* 477556.789, 3742575.031, 452.92, 3.49, 4.00

\*\*

---

LOCATION	L0001240	VOLUME	477038.751	3744565.245	455.00
LOCATION	L0001241	VOLUME	477038.800	3744556.655	455.00
LOCATION	L0001242	VOLUME	477038.849	3744548.066	455.00
LOCATION	L0001243	VOLUME	477038.898	3744539.476	455.00
LOCATION	L0001244	VOLUME	477038.947	3744530.886	455.00
LOCATION	L0001245	VOLUME	477038.996	3744522.296	455.00
LOCATION	L0001246	VOLUME	477039.045	3744513.706	455.00
LOCATION	L0001247	VOLUME	477039.110	3744505.117	455.00
LOCATION	L0001248	VOLUME	477039.443	3744496.533	455.00
LOCATION	L0001249	VOLUME	477039.776	3744487.950	455.00
LOCATION	L0001250	VOLUME	477040.109	3744479.366	455.00
LOCATION	L0001251	VOLUME	477040.442	3744470.782	455.00
LOCATION	L0001252	VOLUME	477040.775	3744462.199	455.00
LOCATION	L0001253	VOLUME	477041.108	3744453.615	455.00
LOCATION	L0001254	VOLUME	477041.440	3744445.032	455.00
LOCATION	L0001255	VOLUME	477041.773	3744436.448	455.00
LOCATION	L0001256	VOLUME	477042.106	3744427.865	455.00
LOCATION	L0001257	VOLUME	477042.439	3744419.281	455.00
LOCATION	L0001258	VOLUME	477042.772	3744410.698	455.00
LOCATION	L0001259	VOLUME	477043.105	3744402.114	455.00
LOCATION	L0001260	VOLUME	477043.437	3744393.531	455.00
LOCATION	L0001261	VOLUME	477043.770	3744384.947	455.00
LOCATION	L0001262	VOLUME	477044.103	3744376.363	455.00
LOCATION	L0001263	VOLUME	477044.436	3744367.780	455.00
LOCATION	L0001264	VOLUME	477044.769	3744359.196	455.00
LOCATION	L0001265	VOLUME	477045.102	3744350.613	455.00
LOCATION	L0001266	VOLUME	477045.434	3744342.029	455.11
LOCATION	L0001267	VOLUME	477045.767	3744333.446	455.34
LOCATION	L0001268	VOLUME	477046.100	3744324.862	455.56
LOCATION	L0001269	VOLUME	477046.433	3744316.279	455.78
LOCATION	L0001270	VOLUME	477046.766	3744307.695	455.77
LOCATION	L0001271	VOLUME	477047.099	3744299.111	455.76
LOCATION	L0001272	VOLUME	477047.405	3744290.527	455.75
LOCATION	L0001273	VOLUME	477047.709	3744281.942	455.78
LOCATION	L0001274	VOLUME	477048.014	3744273.358	455.84
LOCATION	L0001275	VOLUME	477048.318	3744264.773	455.92
LOCATION	L0001276	VOLUME	477048.623	3744256.189	456.00
LOCATION	L0001277	VOLUME	477048.928	3744247.604	456.00
LOCATION	L0001278	VOLUME	477049.232	3744239.019	456.00
LOCATION	L0001279	VOLUME	477049.537	3744230.435	456.00
LOCATION	L0001280	VOLUME	477049.841	3744221.850	456.00
LOCATION	L0001281	VOLUME	477050.146	3744213.266	456.00
LOCATION	L0001282	VOLUME	477050.450	3744204.681	456.00
LOCATION	L0001283	VOLUME	477050.755	3744196.096	456.00
LOCATION	L0001284	VOLUME	477051.132	3744187.515	456.00
LOCATION	L0001285	VOLUME	477051.535	3744178.934	456.00
LOCATION	L0001286	VOLUME	477051.939	3744170.354	456.00
LOCATION	L0001287	VOLUME	477052.342	3744161.773	456.00
LOCATION	L0001288	VOLUME	477052.745	3744153.193	456.00
LOCATION	L0001289	VOLUME	477053.148	3744144.612	456.00
LOCATION	L0001290	VOLUME	477053.922	3744136.063	456.00
LOCATION	L0001291	VOLUME	477054.958	3744127.535	456.00
LOCATION	L0001292	VOLUME	477055.995	3744119.008	456.00
LOCATION	L0001293	VOLUME	477057.309	3744110.522	456.00
LOCATION	L0001294	VOLUME	477058.768	3744102.057	456.05
LOCATION	L0001295	VOLUME	477060.226	3744093.591	456.13
LOCATION	L0001296	VOLUME	477061.685	3744085.126	456.19
LOCATION	L0001297	VOLUME	477063.299	3744076.692	456.21
LOCATION	L0001298	VOLUME	477065.257	3744068.328	456.15
LOCATION	L0001299	VOLUME	477067.214	3744059.964	456.09
LOCATION	L0001300	VOLUME	477069.172	3744051.600	456.02
LOCATION	L0001301	VOLUME	477071.129	3744043.236	456.09
LOCATION	L0001302	VOLUME	477073.087	3744034.872	456.34

LOCATION	L0001303	VOLUME	477075.136	3744026.534	456.54
LOCATION	L0001304	VOLUME	477077.863	3744018.389	456.68
LOCATION	L0001305	VOLUME	477080.590	3744010.243	456.64
LOCATION	L0001306	VOLUME	477083.318	3744002.098	456.55
LOCATION	L0001307	VOLUME	477086.045	3743993.952	456.46
LOCATION	L0001308	VOLUME	477088.773	3743985.807	456.37
LOCATION	L0001309	VOLUME	477091.500	3743977.661	456.28
LOCATION	L0001310	VOLUME	477094.228	3743969.516	456.19
LOCATION	L0001311	VOLUME	477097.089	3743961.417	456.09
LOCATION	L0001312	VOLUME	477100.024	3743953.344	456.09
LOCATION	L0001313	VOLUME	477102.960	3743945.271	456.33
LOCATION	L0001314	VOLUME	477105.895	3743937.198	456.51
LOCATION	L0001315	VOLUME	477108.831	3743929.126	456.63
LOCATION	L0001316	VOLUME	477111.766	3743921.053	456.67
LOCATION	L0001317	VOLUME	477114.702	3743912.980	456.72
LOCATION	L0001318	VOLUME	477117.638	3743904.907	456.83
LOCATION	L0001319	VOLUME	477120.573	3743896.834	456.98
LOCATION	L0001320	VOLUME	477123.258	3743888.676	457.00
LOCATION	L0001321	VOLUME	477125.887	3743880.498	457.00
LOCATION	L0001322	VOLUME	477128.516	3743872.320	457.00
LOCATION	L0001323	VOLUME	477131.144	3743864.142	457.00
LOCATION	L0001324	VOLUME	477133.773	3743855.964	457.00
LOCATION	L0001325	VOLUME	477136.401	3743847.786	457.00
LOCATION	L0001326	VOLUME	477139.030	3743839.608	457.00
LOCATION	L0001327	VOLUME	477141.659	3743831.430	457.00
LOCATION	L0001328	VOLUME	477144.287	3743823.252	457.00
LOCATION	L0001329	VOLUME	477147.148	3743815.153	457.00
LOCATION	L0001330	VOLUME	477150.049	3743807.068	457.00
LOCATION	L0001331	VOLUME	477152.950	3743798.983	457.00
LOCATION	L0001332	VOLUME	477155.851	3743790.897	457.00
LOCATION	L0001333	VOLUME	477158.752	3743782.812	457.00
LOCATION	L0001334	VOLUME	477161.653	3743774.727	457.00
LOCATION	L0001335	VOLUME	477164.554	3743766.641	457.00
LOCATION	L0001336	VOLUME	477167.455	3743758.556	457.00
LOCATION	L0001337	VOLUME	477170.356	3743750.471	457.00
LOCATION	L0001338	VOLUME	477173.257	3743742.385	457.00
LOCATION	L0001339	VOLUME	477176.158	3743734.300	457.00
LOCATION	L0001340	VOLUME	477179.059	3743726.215	457.00
LOCATION	L0001341	VOLUME	477181.960	3743718.130	457.00
LOCATION	L0001342	VOLUME	477184.861	3743710.044	457.03
LOCATION	L0001343	VOLUME	477187.762	3743701.959	457.03
LOCATION	L0001344	VOLUME	477190.663	3743693.874	456.99
LOCATION	L0001345	VOLUME	477193.564	3743685.788	457.00
LOCATION	L0001346	VOLUME	477196.465	3743677.703	457.00
LOCATION	L0001347	VOLUME	477199.366	3743669.618	457.00
LOCATION	L0001348	VOLUME	477202.267	3743661.532	457.00
LOCATION	L0001349	VOLUME	477205.172	3743653.449	457.04
LOCATION	L0001350	VOLUME	477208.078	3743645.365	457.14
LOCATION	L0001351	VOLUME	477210.984	3743637.281	457.19
LOCATION	L0001352	VOLUME	477213.889	3743629.198	457.18
LOCATION	L0001353	VOLUME	477216.795	3743621.114	457.10
LOCATION	L0001354	VOLUME	477219.701	3743613.031	457.01
LOCATION	L0001355	VOLUME	477222.606	3743604.947	456.97
LOCATION	L0001356	VOLUME	477225.512	3743596.863	457.00
LOCATION	L0001357	VOLUME	477228.418	3743588.780	457.00
LOCATION	L0001358	VOLUME	477231.324	3743580.696	457.00
LOCATION	L0001359	VOLUME	477234.229	3743572.612	457.00
LOCATION	L0001360	VOLUME	477237.135	3743564.529	457.00
LOCATION	L0001361	VOLUME	477240.041	3743556.445	457.00
LOCATION	L0001362	VOLUME	477242.946	3743548.380	457.00
LOCATION	L0001363	VOLUME	477246.074	3743540.360	457.00
LOCATION	L0001364	VOLUME	477249.152	3743532.341	457.00
LOCATION	L0001365	VOLUME	477252.229	3743524.321	456.95
LOCATION	L0001366	VOLUME	477255.307	3743516.301	456.94
LOCATION	L0001367	VOLUME	477258.385	3743508.281	456.98
LOCATION	L0001368	VOLUME	477261.463	3743500.262	457.00

LOCATION L0001369	VOLUME	477264.540	3743492.242	457.00
LOCATION L0001370	VOLUME	477267.618	3743484.222	457.00
LOCATION L0001371	VOLUME	477270.696	3743476.203	457.00
LOCATION L0001372	VOLUME	477273.773	3743468.183	457.00
LOCATION L0001373	VOLUME	477276.851	3743460.163	457.00
LOCATION L0001374	VOLUME	477279.929	3743452.143	457.00
LOCATION L0001375	VOLUME	477282.836	3743444.061	456.90
LOCATION L0001376	VOLUME	477285.701	3743435.963	456.81
LOCATION L0001377	VOLUME	477288.565	3743427.864	456.71
LOCATION L0001378	VOLUME	477291.430	3743419.766	456.61
LOCATION L0001379	VOLUME	477294.294	3743411.668	456.44
LOCATION L0001380	VOLUME	477297.159	3743403.570	456.25
LOCATION L0001381	VOLUME	477300.024	3743395.471	456.10
LOCATION L0001382	VOLUME	477302.888	3743387.373	456.01
LOCATION L0001383	VOLUME	477305.753	3743379.275	456.00
LOCATION L0001384	VOLUME	477308.617	3743371.176	456.00
LOCATION L0001385	VOLUME	477311.482	3743363.078	455.95
LOCATION L0001386	VOLUME	477314.346	3743354.980	455.85
LOCATION L0001387	VOLUME	477317.211	3743346.881	455.76
LOCATION L0001388	VOLUME	477320.075	3743338.783	455.66
LOCATION L0001389	VOLUME	477322.940	3743330.685	455.56
LOCATION L0001390	VOLUME	477325.804	3743322.586	455.47
LOCATION L0001391	VOLUME	477328.745	3743314.519	455.37
LOCATION L0001392	VOLUME	477332.329	3743306.713	455.25
LOCATION L0001393	VOLUME	477335.914	3743298.906	455.13
LOCATION L0001394	VOLUME	477339.498	3743291.100	455.18
LOCATION L0001395	VOLUME	477343.083	3743283.293	455.38
LOCATION L0001396	VOLUME	477346.667	3743275.487	455.53
LOCATION L0001397	VOLUME	477350.251	3743267.681	455.62
LOCATION L0001398	VOLUME	477353.836	3743259.874	455.53
LOCATION L0001399	VOLUME	477357.550	3743252.140	455.41
LOCATION L0001400	VOLUME	477362.326	3743245.000	455.25
LOCATION L0001401	VOLUME	477367.101	3743237.860	455.09
LOCATION L0001402	VOLUME	477371.917	3743230.749	455.00
LOCATION L0001403	VOLUME	477377.198	3743223.974	455.00
LOCATION L0001404	VOLUME	477382.480	3743217.200	455.00
LOCATION L0001405	VOLUME	477387.762	3743210.425	455.00
LOCATION L0001406	VOLUME	477393.043	3743203.651	455.00
LOCATION L0001407	VOLUME	477398.588	3743197.116	455.00
LOCATION L0001408	VOLUME	477404.815	3743191.198	454.84
LOCATION L0001409	VOLUME	477411.042	3743185.281	454.63
LOCATION L0001410	VOLUME	477417.269	3743179.363	454.42
LOCATION L0001411	VOLUME	477423.496	3743173.446	454.21
LOCATION L0001412	VOLUME	477429.722	3743167.529	454.01
LOCATION L0001413	VOLUME	477435.949	3743161.611	454.00
LOCATION L0001414	VOLUME	477442.237	3743155.763	454.00
LOCATION L0001415	VOLUME	477448.862	3743150.296	454.00
LOCATION L0001416	VOLUME	477455.488	3743144.829	454.00
LOCATION L0001417	VOLUME	477462.114	3743139.362	453.93
LOCATION L0001418	VOLUME	477468.740	3743133.895	453.70
LOCATION L0001419	VOLUME	477475.365	3743128.428	453.48
LOCATION L0001420	VOLUME	477481.991	3743122.961	453.26
LOCATION L0001421	VOLUME	477488.617	3743117.494	453.04
LOCATION L0001422	VOLUME	477495.242	3743112.027	453.11
LOCATION L0001423	VOLUME	477501.852	3743106.540	453.19
LOCATION L0001424	VOLUME	477508.455	3743101.046	453.19
LOCATION L0001425	VOLUME	477515.058	3743095.552	453.11
LOCATION L0001426	VOLUME	477521.662	3743090.058	452.94
LOCATION L0001427	VOLUME	477528.265	3743084.564	452.74
LOCATION L0001428	VOLUME	477534.868	3743079.069	452.62
LOCATION L0001429	VOLUME	477541.471	3743073.575	452.58
LOCATION L0001430	VOLUME	477548.074	3743068.081	452.63
LOCATION L0001431	VOLUME	477554.678	3743062.587	452.66
LOCATION L0001432	VOLUME	477561.281	3743057.093	452.60
LOCATION L0001433	VOLUME	477567.884	3743051.599	452.40
LOCATION L0001434	VOLUME	477574.487	3743046.104	452.18



LOCATION	L0001435	VOLUME	477581.090	3743040.610	452.00
LOCATION	L0001436	VOLUME	477587.693	3743035.116	452.00
LOCATION	L0001437	VOLUME	477594.297	3743029.622	452.00
LOCATION	L0001438	VOLUME	477600.900	3743024.128	452.00
LOCATION	L0001439	VOLUME	477607.496	3743018.625	452.00
LOCATION	L0001440	VOLUME	477614.082	3743013.111	451.86
LOCATION	L0001441	VOLUME	477620.669	3743007.596	451.64
LOCATION	L0001442	VOLUME	477627.255	3743002.082	451.42
LOCATION	L0001443	VOLUME	477633.842	3742996.568	451.20
LOCATION	L0001444	VOLUME	477640.428	3742991.054	451.00
LOCATION	L0001445	VOLUME	477647.015	3742985.540	451.00
LOCATION	L0001446	VOLUME	477653.601	3742980.026	451.00
LOCATION	L0001447	VOLUME	477660.188	3742974.512	451.00
LOCATION	L0001448	VOLUME	477666.774	3742968.997	451.00
LOCATION	L0001449	VOLUME	477673.361	3742963.483	450.88
LOCATION	L0001450	VOLUME	477679.948	3742957.969	450.66
LOCATION	L0001451	VOLUME	477686.534	3742952.455	450.44
LOCATION	L0001452	VOLUME	477693.121	3742946.941	450.23
LOCATION	L0001453	VOLUME	477699.707	3742941.427	450.01
LOCATION	L0001454	VOLUME	477706.294	3742935.913	450.00
LOCATION	L0001455	VOLUME	477712.880	3742930.398	450.00
LOCATION	L0001456	VOLUME	477719.467	3742924.884	450.00
LOCATION	L0001457	VOLUME	477726.053	3742919.370	450.00
LOCATION	L0001458	VOLUME	477732.640	3742913.856	450.00
LOCATION	L0001459	VOLUME	477739.226	3742908.342	450.00
LOCATION	L0001460	VOLUME	477745.813	3742902.828	450.00
LOCATION	L0001461	VOLUME	477752.399	3742897.313	450.00
LOCATION	L0001462	VOLUME	477758.710	3742891.489	450.00
LOCATION	L0001463	VOLUME	477764.958	3742885.594	449.83
LOCATION	L0001464	VOLUME	477771.150	3742879.646	449.62
LOCATION	L0001465	VOLUME	477776.705	3742873.094	449.44
LOCATION	L0001466	VOLUME	477782.260	3742866.542	449.25
LOCATION	L0001467	VOLUME	477787.691	3742859.895	449.07
LOCATION	L0001468	VOLUME	477792.544	3742852.807	449.00
LOCATION	L0001469	VOLUME	477797.397	3742845.720	449.00
LOCATION	L0001470	VOLUME	477802.250	3742838.632	449.00
LOCATION	L0001471	VOLUME	477807.104	3742831.544	449.00
LOCATION	L0001472	VOLUME	477811.957	3742824.457	449.00
LOCATION	L0001473	VOLUME	477816.810	3742817.369	449.00
LOCATION	L0001474	VOLUME	477821.663	3742810.282	448.99
LOCATION	L0001475	VOLUME	477825.728	3742802.743	448.91
LOCATION	L0001476	VOLUME	477829.374	3742794.965	448.78
LOCATION	L0001477	VOLUME	477833.020	3742787.187	448.58
LOCATION	L0001478	VOLUME	477836.666	3742779.409	448.44
LOCATION	L0001479	VOLUME	477840.311	3742771.632	448.32
LOCATION	L0001480	VOLUME	477843.957	3742763.854	448.20
LOCATION	L0001481	VOLUME	477847.603	3742756.076	448.08
LOCATION	L0001482	VOLUME	477850.055	3742747.860	448.00
LOCATION	L0001483	VOLUME	477852.296	3742739.568	448.00
LOCATION	L0001484	VOLUME	477854.538	3742731.276	448.00
LOCATION	L0001485	VOLUME	477856.779	3742722.983	448.00
LOCATION	L0001486	VOLUME	477859.020	3742714.691	448.00
LOCATION	L0001487	VOLUME	477861.261	3742706.398	448.00
LOCATION	L0001488	VOLUME	477863.396	3742698.085	448.00
LOCATION	L0001489	VOLUME	477864.409	3742689.555	448.00
LOCATION	L0001490	VOLUME	477865.422	3742681.025	448.00
LOCATION	L0001491	VOLUME	477866.434	3742672.495	448.00
LOCATION	L0001492	VOLUME	477867.447	3742663.965	448.00
LOCATION	L0001493	VOLUME	477868.460	3742655.435	448.00
LOCATION	L0001494	VOLUME	477869.473	3742646.905	448.00
LOCATION	L0001495	VOLUME	477869.397	3742638.317	448.00
LOCATION	L0001496	VOLUME	477869.281	3742629.728	448.00
LOCATION	L0001497	VOLUME	477869.159	3742621.139	448.00
LOCATION	L0001498	VOLUME	477869.033	3742612.550	448.00
LOCATION	L0001499	VOLUME	477868.906	3742603.961	448.00
LOCATION	L0001500	VOLUME	477868.780	3742595.372	448.00

LOCATION	VOLUME			
LOCATION L0001501	VOLUME	477868.653	3742586.783	448.00
LOCATION L0001502	VOLUME	477868.526	3742578.194	448.00
LOCATION L0001503	VOLUME	477868.400	3742569.605	448.08
LOCATION L0001504	VOLUME	477861.703	3742567.843	448.17
LOCATION L0001505	VOLUME	477853.115	3742568.045	448.24
LOCATION L0001506	VOLUME	477844.527	3742568.248	448.40
LOCATION L0001507	VOLUME	477835.940	3742568.450	448.60
LOCATION L0001508	VOLUME	477827.352	3742568.653	448.81
LOCATION L0001509	VOLUME	477818.765	3742568.855	449.01
LOCATION L0001510	VOLUME	477810.177	3742569.058	449.08
LOCATION L0001511	VOLUME	477801.589	3742569.260	449.14
LOCATION L0001512	VOLUME	477793.002	3742569.463	449.20
LOCATION L0001513	VOLUME	477784.414	3742569.665	449.36
LOCATION L0001514	VOLUME	477775.826	3742569.868	449.58
LOCATION L0001515	VOLUME	477767.239	3742570.070	449.80
LOCATION L0001516	VOLUME	477758.651	3742570.272	450.00
LOCATION L0001517	VOLUME	477750.064	3742570.475	450.00
LOCATION L0001518	VOLUME	477741.476	3742570.677	450.00
LOCATION L0001519	VOLUME	477732.888	3742570.880	450.00
LOCATION L0001520	VOLUME	477724.301	3742571.082	450.19
LOCATION L0001521	VOLUME	477715.713	3742571.285	450.47
LOCATION L0001522	VOLUME	477707.126	3742571.487	450.76
LOCATION L0001523	VOLUME	477698.538	3742571.690	451.00
LOCATION L0001524	VOLUME	477689.950	3742571.892	451.00
LOCATION L0001525	VOLUME	477681.363	3742572.094	451.00
LOCATION L0001526	VOLUME	477672.775	3742572.297	451.00
LOCATION L0001527	VOLUME	477664.187	3742572.499	451.02
LOCATION L0001528	VOLUME	477655.600	3742572.702	451.05
LOCATION L0001529	VOLUME	477647.012	3742572.904	451.08
LOCATION L0001530	VOLUME	477638.425	3742573.107	451.15
LOCATION L0001531	VOLUME	477629.837	3742573.309	451.40
LOCATION L0001532	VOLUME	477621.249	3742573.512	451.65
LOCATION L0001533	VOLUME	477612.662	3742573.714	451.91
LOCATION L0001534	VOLUME	477604.074	3742573.917	452.01
LOCATION L0001535	VOLUME	477595.487	3742574.119	452.03
LOCATION L0001536	VOLUME	477586.899	3742574.321	452.05
LOCATION L0001537	VOLUME	477578.311	3742574.524	452.10
LOCATION L0001538	VOLUME	477569.724	3742574.726	452.37
LOCATION L0001539	VOLUME	477561.136	3742574.929	452.64
** End of LINE VOLUME	Source ID = NEV100			
LOCATION REF2	VOLUME	477366.048	3744881.034	451.130
** DESCRSRC Refuel 2				
LOCATION SPILL2	VOLUME	477366.048	3744881.034	451.130
** DESCRSRC Spill 2				
LOCATION REF1	VOLUME	477348.631	3744881.140	451.710
** DESCRSRC Refuel 1				
LOCATION SPILL1	VOLUME	477348.631	3744881.140	451.710
** DESCRSRC Spill 1				
LOCATION LOAD	POINT	477355.990	3744868.700	451.460
** DESCRSRC Loading				
LOCATION BREATHE	POINT	477355.990	3744868.700	451.460
** DESCRSRC Breathing				
** -----				
** Line Source Represented by Adjacent Volume Sources				
** LINE VOLUME Source ID = ONRET				
** DESCRSRC Retail Onsite				
** PREFIX				
** Length of Side = 8.59				
** Configuration = Adjacent				
** Emission Rate = 1.0				
** Vertical Dimension = 6.99				
** SZINIT = 3.25				
** Nodes = 4				
** 477043.923, 3744862.723, 454.00, 3.49, 4.00				
** 477328.431, 3744860.909, 452.00, 3.49, 4.00				
** 477374.451, 3744852.748, 451.03, 3.49, 4.00				

\*\* 477392.814, 3744852.748, 451.00, 3.49, 4.00

\*\*

-----  
LOCATION L0001632 VOLUME 477048.218 3744862.695 454.00  
LOCATION L0001633 VOLUME 477056.807 3744862.640 454.00  
LOCATION L0001634 VOLUME 477065.397 3744862.586 454.00  
LOCATION L0001635 VOLUME 477073.987 3744862.531 454.00  
LOCATION L0001636 VOLUME 477082.577 3744862.476 454.00  
LOCATION L0001637 VOLUME 477091.167 3744862.421 454.00  
LOCATION L0001638 VOLUME 477099.757 3744862.367 454.00  
LOCATION L0001639 VOLUME 477108.346 3744862.312 453.72  
LOCATION L0001640 VOLUME 477116.936 3744862.257 453.43  
LOCATION L0001641 VOLUME 477125.526 3744862.202 453.14  
LOCATION L0001642 VOLUME 477134.116 3744862.148 453.00  
LOCATION L0001643 VOLUME 477142.706 3744862.093 453.00  
LOCATION L0001644 VOLUME 477151.295 3744862.038 453.00  
LOCATION L0001645 VOLUME 477159.885 3744861.983 453.00  
LOCATION L0001646 VOLUME 477168.475 3744861.929 453.00  
LOCATION L0001647 VOLUME 477177.065 3744861.874 453.00  
LOCATION L0001648 VOLUME 477185.655 3744861.819 453.00  
LOCATION L0001649 VOLUME 477194.245 3744861.764 453.00  
LOCATION L0001650 VOLUME 477202.834 3744861.710 453.00  
LOCATION L0001651 VOLUME 477211.424 3744861.655 453.00  
LOCATION L0001652 VOLUME 477220.014 3744861.600 452.99  
LOCATION L0001653 VOLUME 477228.604 3744861.545 452.71  
LOCATION L0001654 VOLUME 477237.194 3744861.491 452.42  
LOCATION L0001655 VOLUME 477245.784 3744861.436 452.14  
LOCATION L0001656 VOLUME 477254.373 3744861.381 452.00  
LOCATION L0001657 VOLUME 477262.963 3744861.326 452.00  
LOCATION L0001658 VOLUME 477271.553 3744861.272 452.00  
LOCATION L0001659 VOLUME 477280.143 3744861.217 452.00  
LOCATION L0001660 VOLUME 477288.733 3744861.162 452.00  
LOCATION L0001661 VOLUME 477297.323 3744861.107 452.00  
LOCATION L0001662 VOLUME 477305.912 3744861.053 452.00  
LOCATION L0001663 VOLUME 477314.502 3744860.998 452.00  
LOCATION L0001664 VOLUME 477323.092 3744860.943 452.00  
LOCATION L0001665 VOLUME 477331.682 3744860.888 452.00  
LOCATION L0001666 VOLUME 477340.272 3744858.841 451.99  
LOCATION L0001667 VOLUME 477348.862 3744857.341 451.71  
LOCATION L0001668 VOLUME 477357.452 3744855.842 451.43  
LOCATION L0001669 VOLUME 477366.042 3744854.342 451.15  
LOCATION L0001670 VOLUME 477374.632 3744852.842 451.00  
LOCATION L0001671 VOLUME 477383.222 3744852.748 451.00  
LOCATION L0001672 VOLUME 477391.812 3744852.748 451.00

\*\* End of LINE VOLUME Source ID = ONRET

LOCATION BLDG1 VOLUME 477079.436 3744874.749 454.000

\*\* DESCRSRC Retail Bldg 1 Idle

LOCATION BLDG2 VOLUME 477097.640 3744893.723 454.000

\*\* DESCRSRC Retail Bldg 2 Idle

LOCATION BLDG3 VOLUME 477162.384 3744868.522 453.000

\*\* DESCRSRC Retail Bldg 3 Idle

LOCATION BLDG4 VOLUME 477203.180 3744868.104 453.000

\*\* DESCRSRC Retail Bldg 4 Idle

LOCATION BLDG5 VOLUME 477277.671 3744886.065 452.000

\*\* DESCRSRC Retail Bldg 5 Idle

LOCATION BLDG6 VOLUME 477302.455 3744885.508 452.000

\*\* DESCRSRC Retail Bldg 6 Idle

LOCATION BLDG7 VOLUME 477368.591 3744898.596 451.020

\*\* DESCRSRC Retail Bldg 7 Idle

LOCATION BLDG8 VOLUME 477392.540 3744892.331 451.000

\*\* DESCRSRC Retail Bldg 8 Idle

LOCATION GASIDLE VOLUME 477370.680 3744867.268 451.000

\*\* DESCRSRC Retail Gas Idle

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = OFFRET

\*\* DESCRSRC Offsite Nevada Retail

```

** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 477037.841, 3744863.171, 454.00, 3.49, 4.00
** 477038.191, 3744821.551, 454.00, 3.49, 4.00

```

```

-----
** LOCATION L0001714      VOLUME  477037.877 3744858.877 454.00
** LOCATION L0001715      VOLUME  477037.949 3744850.287 454.00
** LOCATION L0001716      VOLUME  477038.021 3744841.697 454.00
** LOCATION L0001717      VOLUME  477038.093 3744833.107 454.00
** LOCATION L0001718      VOLUME  477038.166 3744824.518 454.00
** End of LINE VOLUME Source ID = OFFRET
** LOCATION TLB           VOLUME  477233.822 3744630.844      453.000

```

```

** DESCRSRC Offroad Equipment

```

```

** Source Parameters **

```

```

** LINE VOLUME Source ID = IDLEW
** SRCPARAM L0001027      0.03125      3.49      4.00      3.25
** SRCPARAM L0001028      0.03125      3.49      4.00      3.25
** SRCPARAM L0001029      0.03125      3.49      4.00      3.25
** SRCPARAM L0001030      0.03125      3.49      4.00      3.25
** SRCPARAM L0001031      0.03125      3.49      4.00      3.25
** SRCPARAM L0001032      0.03125      3.49      4.00      3.25
** SRCPARAM L0001033      0.03125      3.49      4.00      3.25
** SRCPARAM L0001034      0.03125      3.49      4.00      3.25
** SRCPARAM L0001035      0.03125      3.49      4.00      3.25
** SRCPARAM L0001036      0.03125      3.49      4.00      3.25
** SRCPARAM L0001037      0.03125      3.49      4.00      3.25
** SRCPARAM L0001038      0.03125      3.49      4.00      3.25
** SRCPARAM L0001039      0.03125      3.49      4.00      3.25
** SRCPARAM L0001040      0.03125      3.49      4.00      3.25
** SRCPARAM L0001041      0.03125      3.49      4.00      3.25
** SRCPARAM L0001042      0.03125      3.49      4.00      3.25
** SRCPARAM L0001043      0.03125      3.49      4.00      3.25
** SRCPARAM L0001044      0.03125      3.49      4.00      3.25
** SRCPARAM L0001045      0.03125      3.49      4.00      3.25
** SRCPARAM L0001046      0.03125      3.49      4.00      3.25
** SRCPARAM L0001047      0.03125      3.49      4.00      3.25
** SRCPARAM L0001048      0.03125      3.49      4.00      3.25
** SRCPARAM L0001049      0.03125      3.49      4.00      3.25
** SRCPARAM L0001050      0.03125      3.49      4.00      3.25
** SRCPARAM L0001051      0.03125      3.49      4.00      3.25
** SRCPARAM L0001052      0.03125      3.49      4.00      3.25
** SRCPARAM L0001053      0.03125      3.49      4.00      3.25
** SRCPARAM L0001054      0.03125      3.49      4.00      3.25
** SRCPARAM L0001055      0.03125      3.49      4.00      3.25
** SRCPARAM L0001056      0.03125      3.49      4.00      3.25
** SRCPARAM L0001057      0.03125      3.49      4.00      3.25
** SRCPARAM L0001058      0.03125      3.49      4.00      3.25

```

```

-----
** LINE VOLUME Source ID = IDLEE
** SRCPARAM L0001059      0.03125      3.49      4.00      3.25
** SRCPARAM L0001060      0.03125      3.49      4.00      3.25
** SRCPARAM L0001061      0.03125      3.49      4.00      3.25
** SRCPARAM L0001062      0.03125      3.49      4.00      3.25
** SRCPARAM L0001063      0.03125      3.49      4.00      3.25
** SRCPARAM L0001064      0.03125      3.49      4.00      3.25
** SRCPARAM L0001065      0.03125      3.49      4.00      3.25
** SRCPARAM L0001066      0.03125      3.49      4.00      3.25
** SRCPARAM L0001067      0.03125      3.49      4.00      3.25
** SRCPARAM L0001068      0.03125      3.49      4.00      3.25
** SRCPARAM L0001069      0.03125      3.49      4.00      3.25
** SRCPARAM L0001070      0.03125      3.49      4.00      3.25

```

















SRCPARAM L0001521	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001522	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001523	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001524	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001525	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001526	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001527	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001528	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001529	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001530	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001531	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001532	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001533	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001534	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001535	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001536	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001537	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001538	0.0033333333	3.49	4.00	3.25
SRCPARAM L0001539	0.0033333333	3.49	4.00	3.25

\*\*

SRCPARAM REF2	1.0	1.000	3.953	2.330	
SRCPARAM SPILL2	1.0	0.000	3.953	2.330	
SRCPARAM REF1	1.0	1.000	3.953	2.330	
SRCPARAM SPILL1	1.0	0.000	3.953	2.330	
SRCPARAM LOAD	1.0	3.660	291.480	0.00063	0.051
SRCPARAM BREATHE	1.0	3.660	288.710	0.00010	0.051

\*\* LINE VOLUME Source ID = ONRET

SRCPARAM L0001632	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001633	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001634	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001635	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001636	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001637	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001638	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001639	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001640	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001641	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001642	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001643	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001644	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001645	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001646	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001647	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001648	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001649	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001650	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001651	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001652	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001653	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001654	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001655	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001656	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001657	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001658	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001659	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001660	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001661	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001662	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001663	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001664	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001665	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001666	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001667	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001668	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001669	0.0243902439	3.49	4.00	3.25
SRCPARAM L0001670	0.0243902439	3.49	4.00	3.25

SRCPARAM	L0001671	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001672	0.0243902439	3.49	4.00	3.25

\*\*

SRCPARAM	BLDG1	1.0	3.490	1.998	3.250
SRCPARAM	BLDG2	1.0	3.490	1.998	3.250
SRCPARAM	BLDG3	1.0	3.490	1.998	3.250
SRCPARAM	BLDG4	1.0	3.490	1.998	3.250
SRCPARAM	BLDG5	1.0	3.490	1.998	3.250
SRCPARAM	BLDG6	1.0	3.490	1.998	3.250
SRCPARAM	BLDG7	1.0	3.490	1.998	3.250
SRCPARAM	BLDG8	1.0	3.490	1.998	3.250
SRCPARAM	GASIDLE	1.0	3.490	1.998	3.250

\*\* LINE VOLUME Source ID = OFFRET

SRCPARAM	L0001714	0.2	3.49	4.00	3.25
SRCPARAM	L0001715	0.2	3.49	4.00	3.25
SRCPARAM	L0001716	0.2	3.49	4.00	3.25
SRCPARAM	L0001717	0.2	3.49	4.00	3.25
SRCPARAM	L0001718	0.2	3.49	4.00	3.25

\*\*

SRCPARAM	TLB	1.0	5.000	86.840	1.400
URBANSRC	ALL				
SRCGROUP	BLDG1	BLDG1			
SRCGROUP	BLDG2	BLDG2			
SRCGROUP	BLDG3	BLDG3			
SRCGROUP	BLDG4	BLDG4			
SRCGROUP	BLDG5	BLDG5			
SRCGROUP	BLDG6	BLDG6			
SRCGROUP	BLDG7	BLDG7			
SRCGROUP	BLDG8	BLDG8			
SRCGROUP	BREATHE	BREATHE			
SRCGROUP	DW2	L0001135 L0001136 L0001137 L0001138 L0001139 L0001140			
SRCGROUP	DW3	L0001091 L0001092 L0001093 L0001094 L0001095 L0001096			
SRCGROUP	GASIDLE	GASIDLE			
SRCGROUP	IDLEE	L0001059 L0001060 L0001061 L0001062 L0001063 L0001064			
SRCGROUP	IDLEE	L0001065 L0001066 L0001067 L0001068 L0001069 L0001070			
SRCGROUP	IDLEE	L0001071 L0001072 L0001073 L0001074 L0001075 L0001076			
SRCGROUP	IDLEE	L0001077 L0001078 L0001079 L0001080 L0001081 L0001082			
SRCGROUP	IDLEE	L0001083 L0001084 L0001085 L0001086 L0001087 L0001088			
SRCGROUP	IDLEE	L0001089 L0001090			
SRCGROUP	IDLEW	L0001027 L0001028 L0001029 L0001030 L0001031 L0001032			
SRCGROUP	IDLEW	L0001033 L0001034 L0001035 L0001036 L0001037 L0001038			
SRCGROUP	IDLEW	L0001039 L0001040 L0001041 L0001042 L0001043 L0001044			
SRCGROUP	IDLEW	L0001045 L0001046 L0001047 L0001048 L0001049 L0001050			
SRCGROUP	IDLEW	L0001051 L0001052 L0001053 L0001054 L0001055 L0001056			
SRCGROUP	IDLEW	L0001057 L0001058			
SRCGROUP	LOAD	LOAD			
SRCGROUP	NEV100	L0001240 L0001241 L0001242 L0001243 L0001244 L0001245			
SRCGROUP	NEV100	L0001246 L0001247 L0001248 L0001249 L0001250 L0001251			
SRCGROUP	NEV100	L0001252 L0001253 L0001254 L0001255 L0001256 L0001257			
SRCGROUP	NEV100	L0001258 L0001259 L0001260 L0001261 L0001262 L0001263			
SRCGROUP	NEV100	L0001264 L0001265 L0001266 L0001267 L0001268 L0001269			
SRCGROUP	NEV100	L0001270 L0001271 L0001272 L0001273 L0001274 L0001275			
SRCGROUP	NEV100	L0001276 L0001277 L0001278 L0001279 L0001280 L0001281			
SRCGROUP	NEV100	L0001282 L0001283 L0001284 L0001285 L0001286 L0001287			
SRCGROUP	NEV100	L0001288 L0001289 L0001290 L0001291 L0001292 L0001293			
SRCGROUP	NEV100	L0001294 L0001295 L0001296 L0001297 L0001298 L0001299			
SRCGROUP	NEV100	L0001300 L0001301 L0001302 L0001303 L0001304 L0001305			
SRCGROUP	NEV100	L0001306 L0001307 L0001308 L0001309 L0001310 L0001311			
SRCGROUP	NEV100	L0001312 L0001313 L0001314 L0001315 L0001316 L0001317			
SRCGROUP	NEV100	L0001318 L0001319 L0001320 L0001321 L0001322 L0001323			
SRCGROUP	NEV100	L0001324 L0001325 L0001326 L0001327 L0001328 L0001329			
SRCGROUP	NEV100	L0001330 L0001331 L0001332 L0001333 L0001334 L0001335			
SRCGROUP	NEV100	L0001336 L0001337 L0001338 L0001339 L0001340 L0001341			
SRCGROUP	NEV100	L0001342 L0001343 L0001344 L0001345 L0001346 L0001347			
SRCGROUP	NEV100	L0001348 L0001349 L0001350 L0001351 L0001352 L0001353			
SRCGROUP	NEV100	L0001354 L0001355 L0001356 L0001357 L0001358 L0001359			

SRCGROUP	NEV100	L0001360	L0001361	L0001362	L0001363	L0001364	L0001365
SRCGROUP	NEV100	L0001366	L0001367	L0001368	L0001369	L0001370	L0001371
SRCGROUP	NEV100	L0001372	L0001373	L0001374	L0001375	L0001376	L0001377
SRCGROUP	NEV100	L0001378	L0001379	L0001380	L0001381	L0001382	L0001383
SRCGROUP	NEV100	L0001384	L0001385	L0001386	L0001387	L0001388	L0001389
SRCGROUP	NEV100	L0001390	L0001391	L0001392	L0001393	L0001394	L0001395
SRCGROUP	NEV100	L0001396	L0001397	L0001398	L0001399	L0001400	L0001401
SRCGROUP	NEV100	L0001402	L0001403	L0001404	L0001405	L0001406	L0001407
SRCGROUP	NEV100	L0001408	L0001409	L0001410	L0001411	L0001412	L0001413
SRCGROUP	NEV100	L0001414	L0001415	L0001416	L0001417	L0001418	L0001419
SRCGROUP	NEV100	L0001420	L0001421	L0001422	L0001423	L0001424	L0001425
SRCGROUP	NEV100	L0001426	L0001427	L0001428	L0001429	L0001430	L0001431
SRCGROUP	NEV100	L0001432	L0001433	L0001434	L0001435	L0001436	L0001437
SRCGROUP	NEV100	L0001438	L0001439	L0001440	L0001441	L0001442	L0001443
SRCGROUP	NEV100	L0001444	L0001445	L0001446	L0001447	L0001448	L0001449
SRCGROUP	NEV100	L0001450	L0001451	L0001452	L0001453	L0001454	L0001455
SRCGROUP	NEV100	L0001456	L0001457	L0001458	L0001459	L0001460	L0001461
SRCGROUP	NEV100	L0001462	L0001463	L0001464	L0001465	L0001466	L0001467
SRCGROUP	NEV100	L0001468	L0001469	L0001470	L0001471	L0001472	L0001473
SRCGROUP	NEV100	L0001474	L0001475	L0001476	L0001477	L0001478	L0001479
SRCGROUP	NEV100	L0001480	L0001481	L0001482	L0001483	L0001484	L0001485
SRCGROUP	NEV100	L0001486	L0001487	L0001488	L0001489	L0001490	L0001491
SRCGROUP	NEV100	L0001492	L0001493	L0001494	L0001495	L0001496	L0001497
SRCGROUP	NEV100	L0001498	L0001499	L0001500	L0001501	L0001502	L0001503
SRCGROUP	NEV100	L0001504	L0001505	L0001506	L0001507	L0001508	L0001509
SRCGROUP	NEV100	L0001510	L0001511	L0001512	L0001513	L0001514	L0001515
SRCGROUP	NEV100	L0001516	L0001517	L0001518	L0001519	L0001520	L0001521
SRCGROUP	NEV100	L0001522	L0001523	L0001524	L0001525	L0001526	L0001527
SRCGROUP	NEV100	L0001528	L0001529	L0001530	L0001531	L0001532	L0001533
SRCGROUP	NEV100	L0001534	L0001535	L0001536	L0001537	L0001538	L0001539
SRCGROUP	NEV50	L0001211	L0001212	L0001213	L0001214	L0001215	L0001216
SRCGROUP	NEV50	L0001217	L0001218	L0001219	L0001220	L0001221	L0001222
SRCGROUP	NEV50	L0001223	L0001224	L0001225	L0001226	L0001227	L0001228
SRCGROUP	NEV50	L0001229	L0001230	L0001231	L0001232	L0001233	L0001234
SRCGROUP	NEV50	L0001235	L0001236	L0001237	L0001238	L0001239	
SRCGROUP	OFFRET	L0001714	L0001715	L0001716	L0001717	L0001718	
SRCGROUP	ONE	L0001141	L0001142	L0001143	L0001144	L0001145	L0001146
SRCGROUP	ONE	L0001147	L0001148	L0001149	L0001150	L0001151	L0001152
SRCGROUP	ONE	L0001153	L0001154	L0001155	L0001156	L0001157	L0001158
SRCGROUP	ONE	L0001159	L0001160	L0001161	L0001162	L0001163	L0001164
SRCGROUP	ONE	L0001165	L0001166	L0001167	L0001168	L0001169	L0001170
SRCGROUP	ONE	L0001171	L0001172	L0001173	L0001174	L0001175	L0001176
SRCGROUP	ONE	L0001177	L0001178	L0001179	L0001180	L0001181	L0001182
SRCGROUP	ONE	L0001183	L0001184	L0001185	L0001186	L0001187	L0001188
SRCGROUP	ONE	L0001189	L0001190	L0001191	L0001192	L0001193	L0001194
SRCGROUP	ONE	L0001195	L0001196	L0001197	L0001198	L0001199	L0001200
SRCGROUP	ONE	L0001201	L0001202	L0001203	L0001204	L0001205	L0001206
SRCGROUP	ONE	L0001207	L0001208	L0001209	L0001210		
SRCGROUP	ONRET	L0001632	L0001633	L0001634	L0001635	L0001636	L0001637
SRCGROUP	ONRET	L0001638	L0001639	L0001640	L0001641	L0001642	L0001643
SRCGROUP	ONRET	L0001644	L0001645	L0001646	L0001647	L0001648	L0001649
SRCGROUP	ONRET	L0001650	L0001651	L0001652	L0001653	L0001654	L0001655
SRCGROUP	ONRET	L0001656	L0001657	L0001658	L0001659	L0001660	L0001661
SRCGROUP	ONRET	L0001662	L0001663	L0001664	L0001665	L0001666	L0001667
SRCGROUP	ONRET	L0001668	L0001669	L0001670	L0001671	L0001672	
SRCGROUP	ONW	L0001097	L0001098	L0001099	L0001100	L0001101	L0001102
SRCGROUP	ONW	L0001103	L0001104	L0001105	L0001106	L0001107	L0001108
SRCGROUP	ONW	L0001109	L0001110	L0001111	L0001112	L0001113	L0001114
SRCGROUP	ONW	L0001115	L0001116	L0001117	L0001118	L0001119	L0001120
SRCGROUP	ONW	L0001121	L0001122	L0001123	L0001124	L0001125	L0001126
SRCGROUP	ONW	L0001127	L0001128	L0001129	L0001130	L0001131	L0001132
SRCGROUP	ONW	L0001133	L0001134				
SRCGROUP	REF1	REF1					
SRCGROUP	REF2	REF2					
SRCGROUP	SPILL1	SPILL1					
SRCGROUP	SPILL2	SPILL2					

```
SRCGROUP TLB      TLB
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED "13998 Ops.rou"
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
  SURFFILE PERI_V9_ADJU\PERI_v9.SFC
  PROFFILE PERI_V9_ADJU\PERI_v9.PFL
  SURFDATA 3171 2010
  UAIRDATA 3190 2010
  SITEDATA 99999 2010
  PROFBASE 442.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
  PLOTFILE 1 ALL 1ST "13998 Ops.AD\ALL_1H.PLT" 31
  PLOTFILE ANNUAL ALL "13998 Ops.AD\ALL_ANN.PLT" 32
  PLOTFILE 1 BLDG1 1ST "13998 Ops.AD\BLDG1_1H.PLT" 33
  PLOTFILE ANNUAL BLDG1 "13998 Ops.AD\BLDG1_ANN.PLT" 34
  PLOTFILE ANNUAL BLDG2 "13998 Ops.AD\BLDG2_ANN.PLT" 35
  PLOTFILE 1 BLDG2 1ST "13998 Ops.AD\BLDG2_1H.PLT" 36
  PLOTFILE 1 BLDG3 1ST "13998 Ops.AD\BLDG3_1H.PLT" 37
  PLOTFILE ANNUAL BLDG3 "13998 Ops.AD\BLDG3_ANN.PLT" 38
  PLOTFILE ANNUAL BLDG4 "13998 Ops.AD\BLDG4_ANN.PLT" 39
  PLOTFILE 1 BLDG4 1ST "13998 Ops.AD\BLDG4_1H.PLT" 40
  PLOTFILE 1 BLDG5 1ST "13998 Ops.AD\BLDG5_1H.PLT" 41
  PLOTFILE ANNUAL BLDG5 "13998 Ops.AD\BLDG5_ANN.PLT" 42
  PLOTFILE ANNUAL BLDG6 "13998 Ops.AD\BLDG6_ANN.PLT" 43
  PLOTFILE 1 BLDG6 1ST "13998 Ops.AD\BLDG6_1H.PLT" 44
  PLOTFILE 1 BLDG7 1ST "13998 Ops.AD\BLDG7_1H.PLT" 45
  PLOTFILE ANNUAL BLDG7 "13998 Ops.AD\BLDG7_ANN.PLT" 46
  PLOTFILE ANNUAL BLDG8 "13998 Ops.AD\BLDG8_ANN.PLT" 47
  PLOTFILE 1 BLDG8 1ST "13998 Ops.AD\BLDG8_1H.PLT" 48
  PLOTFILE 1 BREATHE 1ST "13998 Ops.AD\BREATHE_1H.PLT" 49
  PLOTFILE ANNUAL BREATHE "13998 Ops.AD\BREATHE_ANN.PLT" 50
  PLOTFILE ANNUAL DW2 "13998 Ops.AD\DW2_ANN.PLT" 51
  PLOTFILE 1 DW2 1ST "13998 Ops.AD\DW2_1H.PLT" 52
  PLOTFILE 1 DW3 1ST "13998 Ops.AD\DW3_1H.PLT" 53
  PLOTFILE ANNUAL DW3 "13998 Ops.AD\DW3_ANN.PLT" 54
  PLOTFILE ANNUAL GASIDLE "13998 Ops.AD\GASIDLE_ANN.PLT" 55
  PLOTFILE 1 GASIDLE 1ST "13998 Ops.AD\GASIDLE_1H.PLT" 56
  PLOTFILE 1 IDLEE 1ST "13998 Ops.AD\IDLEE_1H.PLT" 57
  PLOTFILE ANNUAL IDLEE "13998 Ops.AD\IDLEE_ANN.PLT" 58
  PLOTFILE ANNUAL IDLEW "13998 Ops.AD\IDLEW_ANN.PLT" 59
  PLOTFILE 1 IDLEW 1ST "13998 Ops.AD\IDLEW_1H.PLT" 60
  PLOTFILE 1 LOAD 1ST "13998 Ops.AD\LOAD_1H.PLT" 61
```

PLOTFILE ANNUAL LOAD "13998 Ops.AD\LOAD\_ANN.PLT" 62  
PLOTFILE ANNUAL NEV100 "13998 Ops.AD\NEV100\_ANN.PLT" 63  
PLOTFILE 1 NEV100 1ST "13998 Ops.AD\NEV100\_1H.PLT" 64  
PLOTFILE 1 NEV50 1ST "13998 Ops.AD\NEV50\_1H.PLT" 65  
PLOTFILE ANNUAL NEV50 "13998 Ops.AD\NEV50\_ANN.PLT" 66  
PLOTFILE ANNUAL OFFRET "13998 Ops.AD\OFFRET\_ANN.PLT" 67  
PLOTFILE 1 OFFRET 1ST "13998 Ops.AD\OFFRET\_1H.PLT" 68  
PLOTFILE 1 ONE 1ST "13998 Ops.AD\ONE\_1H.PLT" 69  
PLOTFILE ANNUAL ONE "13998 Ops.AD\ONE\_ANN.PLT" 70  
PLOTFILE ANNUAL ONRET "13998 Ops.AD\ONRET\_ANN.PLT" 71  
PLOTFILE 1 ONRET 1ST "13998 Ops.AD\ONRET\_1H.PLT" 72  
PLOTFILE 1 ONW 1ST "13998 Ops.AD\ONW\_1H.PLT" 73  
PLOTFILE ANNUAL ONW "13998 Ops.AD\ONW\_ANN.PLT" 74  
PLOTFILE ANNUAL REF1 "13998 Ops.AD\REF1\_ANN.PLT" 75  
PLOTFILE 1 REF1 1ST "13998 Ops.AD\REF1\_1H.PLT" 76  
PLOTFILE 1 REF2 1ST "13998 Ops.AD\REF2\_1H.PLT" 77  
PLOTFILE ANNUAL REF2 "13998 Ops.AD\REF2\_ANN.PLT" 78  
PLOTFILE ANNUAL SPILL1 "13998 Ops.AD\SPILL1\_ANN.PLT" 79  
PLOTFILE 1 SPILL1 1ST "13998 Ops.AD\SPILL1\_1H.PLT" 80  
PLOTFILE 1 SPILL2 1ST "13998 Ops.AD\SPILL2\_1H.PLT" 81  
PLOTFILE ANNUAL SPILL2 "13998 Ops.AD\SPILL2\_ANN.PLT" 82  
PLOTFILE ANNUAL TLB "13998 Ops.AD\TLB\_ANN.PLT" 83  
PLOTFILE 1 TLB 1ST "13998 Ops.AD\TLB\_1H.PLT" 84  
SUMMFILE "13998 Ops.sum"

OU FINISHED

\*\*

\*\*\*\*\*

\*\* Project Parameters

\*\*\*\*\*

\*\* PROJCTN CoordinateSystemUTM  
\*\* DESCPTN UTM: Universal Transverse Mercator  
\*\* DATUM World Geodetic System 1984  
\*\* DTMRGN Global Definition  
\*\* UNITS m  
\*\* ZONE 11  
\*\* ZONEINX 0  
\*\*



```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 6/14/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998 Ops\13998 Ops.ADI
**

```

```

*****
**
**
*****
** AERMOD Control Pathway
*****

```

```

**
**
CO STARTING
  TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998 Ops\13998 Ops.
  MODELOPT DFAULT CONC
  AVERTIME 1 ANNUAL
  URBANOPT 2189641
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "13998 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 = IDLEW
** DESCRSRC Idling W
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 477125.367, 3744778.142, 453.93, 3.49, 4.00
** 477124.078, 3744499.269, 454.00, 3.49, 4.00
** -----

```

LOCATION	VOLUME	X Coord.	Y Coord.	Z
LOCATION L0001027	VOLUME	477125.347	3744773.847	454.00
LOCATION L0001028	VOLUME	477125.308	3744765.258	454.00
LOCATION L0001029	VOLUME	477125.268	3744756.668	454.00
LOCATION L0001030	VOLUME	477125.228	3744748.078	454.00
LOCATION L0001031	VOLUME	477125.188	3744739.488	454.00
LOCATION L0001032	VOLUME	477125.149	3744730.898	454.00
LOCATION L0001033	VOLUME	477125.109	3744722.308	454.00
LOCATION L0001034	VOLUME	477125.069	3744713.718	454.00
LOCATION L0001035	VOLUME	477125.030	3744705.128	454.00
LOCATION L0001036	VOLUME	477124.990	3744696.538	454.00
LOCATION L0001037	VOLUME	477124.950	3744687.948	454.00
LOCATION L0001038	VOLUME	477124.910	3744679.358	454.00
LOCATION L0001039	VOLUME	477124.871	3744670.769	454.00
LOCATION L0001040	VOLUME	477124.831	3744662.179	454.00
LOCATION L0001041	VOLUME	477124.791	3744653.589	454.00
LOCATION L0001042	VOLUME	477124.752	3744644.999	454.00
LOCATION L0001043	VOLUME	477124.712	3744636.409	454.00

LOCATION	L0001044	VOLUME	477124.672	3744627.819	454.00
LOCATION	L0001045	VOLUME	477124.633	3744619.229	454.00
LOCATION	L0001046	VOLUME	477124.593	3744610.639	454.00
LOCATION	L0001047	VOLUME	477124.553	3744602.049	454.00
LOCATION	L0001048	VOLUME	477124.513	3744593.459	454.00
LOCATION	L0001049	VOLUME	477124.474	3744584.869	454.00
LOCATION	L0001050	VOLUME	477124.434	3744576.280	454.00
LOCATION	L0001051	VOLUME	477124.394	3744567.690	454.00
LOCATION	L0001052	VOLUME	477124.355	3744559.100	454.00
LOCATION	L0001053	VOLUME	477124.315	3744550.510	454.00
LOCATION	L0001054	VOLUME	477124.275	3744541.920	454.00
LOCATION	L0001055	VOLUME	477124.235	3744533.330	454.00
LOCATION	L0001056	VOLUME	477124.196	3744524.740	454.00
LOCATION	L0001057	VOLUME	477124.156	3744516.150	454.00
LOCATION	L0001058	VOLUME	477124.116	3744507.560	454.00

\*\* End of LINE VOLUME Source ID = IDLEW

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = IDLEE

\*\* DESCRSRC Idling E

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.0

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 477352.247, 3744775.994, 451.69, 3.49, 4.00

\*\* 477349.669, 3744498.410, 452.84, 3.49, 4.00

\*\*

LOCATION	L0001059	VOLUME	477352.207	3744771.699	451.59
LOCATION	L0001060	VOLUME	477352.127	3744763.109	451.59
LOCATION	L0001061	VOLUME	477352.048	3744754.520	451.59
LOCATION	L0001062	VOLUME	477351.968	3744745.930	451.60
LOCATION	L0001063	VOLUME	477351.888	3744737.341	451.60
LOCATION	L0001064	VOLUME	477351.808	3744728.751	451.60
LOCATION	L0001065	VOLUME	477351.728	3744720.161	451.60
LOCATION	L0001066	VOLUME	477351.649	3744711.572	451.61
LOCATION	L0001067	VOLUME	477351.569	3744702.982	451.65
LOCATION	L0001068	VOLUME	477351.489	3744694.392	451.76
LOCATION	L0001069	VOLUME	477351.409	3744685.803	451.88
LOCATION	L0001070	VOLUME	477351.330	3744677.213	451.99
LOCATION	L0001071	VOLUME	477351.250	3744668.624	452.00
LOCATION	L0001072	VOLUME	477351.170	3744660.034	452.00
LOCATION	L0001073	VOLUME	477351.090	3744651.444	452.00
LOCATION	L0001074	VOLUME	477351.010	3744642.855	452.00
LOCATION	L0001075	VOLUME	477350.931	3744634.265	452.00
LOCATION	L0001076	VOLUME	477350.851	3744625.675	452.00
LOCATION	L0001077	VOLUME	477350.771	3744617.086	452.00
LOCATION	L0001078	VOLUME	477350.691	3744608.496	452.00
LOCATION	L0001079	VOLUME	477350.612	3744599.907	452.00
LOCATION	L0001080	VOLUME	477350.532	3744591.317	452.00
LOCATION	L0001081	VOLUME	477350.452	3744582.727	452.00
LOCATION	L0001082	VOLUME	477350.372	3744574.138	452.00
LOCATION	L0001083	VOLUME	477350.292	3744565.548	452.00
LOCATION	L0001084	VOLUME	477350.213	3744556.958	452.00
LOCATION	L0001085	VOLUME	477350.133	3744548.369	452.17
LOCATION	L0001086	VOLUME	477350.053	3744539.779	452.36
LOCATION	L0001087	VOLUME	477349.973	3744531.189	452.55
LOCATION	L0001088	VOLUME	477349.894	3744522.600	452.67
LOCATION	L0001089	VOLUME	477349.814	3744514.010	452.67
LOCATION	L0001090	VOLUME	477349.734	3744505.421	452.67

\*\* End of LINE VOLUME Source ID = IDLEE

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = DW3

\*\* DESCRSRC Onsite DW 3 50%  
\*\* PREFIX  
\*\* Length of Side = 8.59  
\*\* Configuration = Adjacent  
\*\* Emission Rate = 1.0  
\*\* Vertical Dimension = 6.99  
\*\* SZINIT = 3.25  
\*\* Nodes = 2  
\*\* 477044.584, 3744820.682, 454.00, 3.49, 4.00  
\*\* 477096.148, 3744820.253, 454.00, 3.49, 4.00

---

LOCATION L0001091	VOLUME	477048.879	3744820.647	454.00
LOCATION L0001092	VOLUME	477057.469	3744820.575	454.00
LOCATION L0001093	VOLUME	477066.058	3744820.503	454.00
LOCATION L0001094	VOLUME	477074.648	3744820.432	454.00
LOCATION L0001095	VOLUME	477083.238	3744820.360	454.00
LOCATION L0001096	VOLUME	477091.827	3744820.289	454.00

\*\* End of LINE VOLUME Source ID = DW3

---

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = ONW

\*\* DESCRSRC Onsite W 50%

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.0

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 477101.734, 3744821.542, 454.00, 3.49, 4.00

\*\* 477103.023, 3744496.261, 454.00, 3.49, 4.00

---

LOCATION L0001097	VOLUME	477101.751	3744817.247	454.00
LOCATION L0001098	VOLUME	477101.785	3744808.657	454.00
LOCATION L0001099	VOLUME	477101.819	3744800.067	454.00
LOCATION L0001100	VOLUME	477101.853	3744791.477	454.00
LOCATION L0001101	VOLUME	477101.887	3744782.887	454.00
LOCATION L0001102	VOLUME	477101.921	3744774.297	454.00
LOCATION L0001103	VOLUME	477101.955	3744765.707	454.00
LOCATION L0001104	VOLUME	477101.989	3744757.117	454.00
LOCATION L0001105	VOLUME	477102.023	3744748.527	454.00
LOCATION L0001106	VOLUME	477102.057	3744739.937	454.00
LOCATION L0001107	VOLUME	477102.091	3744731.348	454.00
LOCATION L0001108	VOLUME	477102.125	3744722.758	454.00
LOCATION L0001109	VOLUME	477102.159	3744714.168	454.00
LOCATION L0001110	VOLUME	477102.193	3744705.578	454.00
LOCATION L0001111	VOLUME	477102.227	3744696.988	454.00
LOCATION L0001112	VOLUME	477102.261	3744688.398	454.00
LOCATION L0001113	VOLUME	477102.295	3744679.808	454.00
LOCATION L0001114	VOLUME	477102.330	3744671.218	454.00
LOCATION L0001115	VOLUME	477102.364	3744662.628	454.00
LOCATION L0001116	VOLUME	477102.398	3744654.038	454.00
LOCATION L0001117	VOLUME	477102.432	3744645.448	454.00
LOCATION L0001118	VOLUME	477102.466	3744636.858	454.00
LOCATION L0001119	VOLUME	477102.500	3744628.268	454.00
LOCATION L0001120	VOLUME	477102.534	3744619.678	454.00
LOCATION L0001121	VOLUME	477102.568	3744611.088	454.00
LOCATION L0001122	VOLUME	477102.602	3744602.499	454.00
LOCATION L0001123	VOLUME	477102.636	3744593.909	454.00
LOCATION L0001124	VOLUME	477102.670	3744585.319	454.00
LOCATION L0001125	VOLUME	477102.704	3744576.729	454.00
LOCATION L0001126	VOLUME	477102.738	3744568.139	454.00
LOCATION L0001127	VOLUME	477102.772	3744559.549	454.00
LOCATION L0001128	VOLUME	477102.806	3744550.959	454.00
LOCATION L0001129	VOLUME	477102.840	3744542.369	454.00
LOCATION L0001130	VOLUME	477102.874	3744533.779	454.00

LOCATION L0001131 VOLUME 477102.908 3744525.189 454.00  
LOCATION L0001132 VOLUME 477102.942 3744516.599 454.00  
LOCATION L0001133 VOLUME 477102.976 3744508.009 454.00  
LOCATION L0001134 VOLUME 477103.010 3744499.419 454.00

\*\* End of LINE VOLUME Source ID = ONW

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = DW2

\*\* DESCRSRC Onsite DW 2 50%

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.0

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 477043.295, 3744569.310, 454.88, 3.49, 4.00

\*\* 477090.991, 3744569.310, 454.00, 3.49, 4.00

\*\* -----

LOCATION L0001135 VOLUME 477047.590 3744569.310 454.74  
LOCATION L0001136 VOLUME 477056.180 3744569.310 454.46  
LOCATION L0001137 VOLUME 477064.770 3744569.310 454.17  
LOCATION L0001138 VOLUME 477073.360 3744569.310 454.00  
LOCATION L0001139 VOLUME 477081.950 3744569.310 454.00  
LOCATION L0001140 VOLUME 477090.540 3744569.310 454.00

\*\* End of LINE VOLUME Source ID = DW2

\*\* -----

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = ONE

\*\* DESCRSRC Onsite 50% E

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.0

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 5

\*\* 477101.734, 3744822.401, 454.00, 3.49, 4.00

\*\* 477108.609, 3744830.565, 454.00, 3.49, 4.00

\*\* 477359.122, 3744827.987, 451.32, 3.49, 4.00

\*\* 477369.865, 3744821.112, 451.04, 3.49, 4.00

\*\* 477368.146, 3744494.972, 452.03, 3.49, 4.00

\*\* -----

LOCATION L0001141 VOLUME 477104.500 3744825.686 454.00  
LOCATION L0001142 VOLUME 477110.820 3744830.543 453.95  
LOCATION L0001143 VOLUME 477119.410 3744830.454 453.91  
LOCATION L0001144 VOLUME 477127.999 3744830.366 453.87  
LOCATION L0001145 VOLUME 477136.589 3744830.277 453.67  
LOCATION L0001146 VOLUME 477145.179 3744830.189 453.42  
LOCATION L0001147 VOLUME 477153.768 3744830.101 453.18  
LOCATION L0001148 VOLUME 477162.358 3744830.012 453.00  
LOCATION L0001149 VOLUME 477170.947 3744829.924 453.00  
LOCATION L0001150 VOLUME 477179.537 3744829.835 453.00  
LOCATION L0001151 VOLUME 477188.126 3744829.747 453.00  
LOCATION L0001152 VOLUME 477196.716 3744829.659 453.00  
LOCATION L0001153 VOLUME 477205.305 3744829.570 453.00  
LOCATION L0001154 VOLUME 477213.895 3744829.482 453.00  
LOCATION L0001155 VOLUME 477222.484 3744829.393 452.91  
LOCATION L0001156 VOLUME 477231.074 3744829.305 452.63  
LOCATION L0001157 VOLUME 477239.664 3744829.217 452.34  
LOCATION L0001158 VOLUME 477248.253 3744829.128 452.05  
LOCATION L0001159 VOLUME 477256.843 3744829.040 452.00  
LOCATION L0001160 VOLUME 477265.432 3744828.951 452.00  
LOCATION L0001161 VOLUME 477274.022 3744828.863 452.00  
LOCATION L0001162 VOLUME 477282.611 3744828.775 452.00  
LOCATION L0001163 VOLUME 477291.201 3744828.686 452.00

LOCATION L0001164	VOLUME	477299.790	3744828.598	452.00
LOCATION L0001165	VOLUME	477308.380	3744828.509	452.00
LOCATION L0001166	VOLUME	477316.969	3744828.421	452.00
LOCATION L0001167	VOLUME	477325.559	3744828.333	452.00
LOCATION L0001168	VOLUME	477334.149	3744828.244	452.00
LOCATION L0001169	VOLUME	477342.738	3744828.156	451.90
LOCATION L0001170	VOLUME	477351.328	3744828.067	451.62
LOCATION L0001171	VOLUME	477359.792	3744827.559	451.34
LOCATION L0001172	VOLUME	477367.027	3744822.928	451.09
LOCATION L0001173	VOLUME	477369.837	3744815.891	451.00
LOCATION L0001174	VOLUME	477369.792	3744807.301	451.00
LOCATION L0001175	VOLUME	477369.747	3744798.711	451.00
LOCATION L0001176	VOLUME	477369.701	3744790.122	451.01
LOCATION L0001177	VOLUME	477369.656	3744781.532	451.01
LOCATION L0001178	VOLUME	477369.611	3744772.942	451.01
LOCATION L0001179	VOLUME	477369.565	3744764.352	451.01
LOCATION L0001180	VOLUME	477369.520	3744755.762	451.01
LOCATION L0001181	VOLUME	477369.475	3744747.172	451.01
LOCATION L0001182	VOLUME	477369.430	3744738.582	451.01
LOCATION L0001183	VOLUME	477369.384	3744729.992	451.02
LOCATION L0001184	VOLUME	477369.339	3744721.403	451.02
LOCATION L0001185	VOLUME	477369.294	3744712.813	451.02
LOCATION L0001186	VOLUME	477369.249	3744704.223	451.08
LOCATION L0001187	VOLUME	477369.203	3744695.633	451.37
LOCATION L0001188	VOLUME	477369.158	3744687.043	451.65
LOCATION L0001189	VOLUME	477369.113	3744678.453	451.93
LOCATION L0001190	VOLUME	477369.068	3744669.863	452.00
LOCATION L0001191	VOLUME	477369.022	3744661.273	452.00
LOCATION L0001192	VOLUME	477368.977	3744652.684	452.00
LOCATION L0001193	VOLUME	477368.932	3744644.094	452.00
LOCATION L0001194	VOLUME	477368.886	3744635.504	452.00
LOCATION L0001195	VOLUME	477368.841	3744626.914	452.00
LOCATION L0001196	VOLUME	477368.796	3744618.324	452.00
LOCATION L0001197	VOLUME	477368.751	3744609.734	452.00
LOCATION L0001198	VOLUME	477368.705	3744601.144	452.00
LOCATION L0001199	VOLUME	477368.660	3744592.554	452.00
LOCATION L0001200	VOLUME	477368.615	3744583.964	452.00
LOCATION L0001201	VOLUME	477368.570	3744575.375	452.00
LOCATION L0001202	VOLUME	477368.524	3744566.785	452.00
LOCATION L0001203	VOLUME	477368.479	3744558.195	452.00
LOCATION L0001204	VOLUME	477368.434	3744549.605	452.01
LOCATION L0001205	VOLUME	477368.388	3744541.015	452.02
LOCATION L0001206	VOLUME	477368.343	3744532.425	452.04
LOCATION L0001207	VOLUME	477368.298	3744523.835	452.05
LOCATION L0001208	VOLUME	477368.253	3744515.245	452.05
LOCATION L0001209	VOLUME	477368.207	3744506.656	452.06
LOCATION L0001210	VOLUME	477368.162	3744498.066	452.06

\*\* End of LINE VOLUME Source ID = ONE

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = NEV50

\*\* DESCRSRC Nevada 50%

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.0

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 2

\*\* 477038.361, 3744821.275, 454.00, 3.49, 4.00

\*\* 477037.996, 3744569.540, 454.91, 3.49, 4.00

\*\*

LOCATION L0001211	VOLUME	477038.355	3744816.980	454.00
LOCATION L0001212	VOLUME	477038.342	3744808.390	454.00
LOCATION L0001213	VOLUME	477038.330	3744799.800	454.00
LOCATION L0001214	VOLUME	477038.317	3744791.210	454.01

LOCATION L0001215	VOLUME	477038.305	3744782.620	454.02
LOCATION L0001216	VOLUME	477038.292	3744774.030	454.04
LOCATION L0001217	VOLUME	477038.280	3744765.440	454.05
LOCATION L0001218	VOLUME	477038.267	3744756.850	454.05
LOCATION L0001219	VOLUME	477038.255	3744748.260	454.05
LOCATION L0001220	VOLUME	477038.242	3744739.670	454.05
LOCATION L0001221	VOLUME	477038.230	3744731.080	454.05
LOCATION L0001222	VOLUME	477038.218	3744722.490	454.05
LOCATION L0001223	VOLUME	477038.205	3744713.900	454.06
LOCATION L0001224	VOLUME	477038.193	3744705.310	454.06
LOCATION L0001225	VOLUME	477038.180	3744696.720	454.06
LOCATION L0001226	VOLUME	477038.168	3744688.130	454.06
LOCATION L0001227	VOLUME	477038.155	3744679.540	454.06
LOCATION L0001228	VOLUME	477038.143	3744670.950	454.06
LOCATION L0001229	VOLUME	477038.130	3744662.360	454.06
LOCATION L0001230	VOLUME	477038.118	3744653.770	454.06
LOCATION L0001231	VOLUME	477038.105	3744645.181	454.09
LOCATION L0001232	VOLUME	477038.093	3744636.591	454.36
LOCATION L0001233	VOLUME	477038.080	3744628.001	454.63
LOCATION L0001234	VOLUME	477038.068	3744619.411	454.90
LOCATION L0001235	VOLUME	477038.055	3744610.821	455.00
LOCATION L0001236	VOLUME	477038.043	3744602.231	455.00
LOCATION L0001237	VOLUME	477038.031	3744593.641	455.00
LOCATION L0001238	VOLUME	477038.018	3744585.051	455.00
LOCATION L0001239	VOLUME	477038.006	3744576.461	455.00

\*\* End of LINE VOLUME Source ID = NEV50

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = NEV100

\*\* DESCRSRC Nevada 100%

\*\* PREFIX

\*\* Length of Side = 8.59

\*\* Configuration = Adjacent

\*\* Emission Rate = 1.0

\*\* Vertical Dimension = 6.99

\*\* SZINIT = 3.25

\*\* Nodes = 31

\*\* 477038.726, 3744569.540, 454.91, 3.49, 4.00

\*\* 477039.092, 3744505.602, 454.95, 3.49, 4.00

\*\* 477047.115, 3744298.690, 455.82, 3.49, 4.00

\*\* 477050.836, 3744193.823, 456.00, 3.49, 4.00

\*\* 477053.316, 3744141.046, 456.05, 3.49, 4.00

\*\* 477056.348, 3744116.104, 456.13, 3.49, 4.00

\*\* 477062.687, 3744079.311, 456.09, 3.49, 4.00

\*\* 477074.813, 3744027.498, 456.88, 3.49, 4.00

\*\* 477095.207, 3743966.590, 456.16, 3.49, 4.00

\*\* 477121.114, 3743895.347, 456.96, 3.49, 4.00

\*\* 477144.678, 3743822.037, 457.00, 3.49, 4.00

\*\* 477202.279, 3743661.499, 457.13, 3.49, 4.00

\*\* 477242.103, 3743550.708, 456.94, 3.49, 4.00

\*\* 477280.549, 3743450.526, 456.99, 3.49, 4.00

\*\* 477328.366, 3743315.344, 455.54, 3.49, 4.00

\*\* 477357.029, 3743252.920, 455.63, 3.49, 4.00

\*\* 477371.498, 3743231.286, 455.04, 3.49, 4.00

\*\* 477396.853, 3743198.765, 454.94, 3.49, 4.00

\*\* 477441.225, 3743156.598, 454.07, 3.49, 4.00

\*\* 477497.172, 3743110.434, 453.18, 3.49, 4.00

\*\* 477604.656, 3743021.002, 451.96, 3.49, 4.00

\*\* 477753.619, 3742896.292, 449.93, 3.49, 4.00

\*\* 477770.706, 3742880.170, 449.79, 3.49, 4.00

\*\* 477786.829, 3742861.153, 449.10, 3.49, 4.00

\*\* 477823.346, 3742807.824, 449.00, 3.49, 4.00

\*\* 477848.150, 3742754.909, 448.01, 3.49, 4.00

\*\* 477863.308, 3742698.824, 448.00, 3.49, 4.00

\*\* 477869.509, 3742646.597, 448.00, 3.49, 4.00

\*\* 477869.234, 3742626.203, 448.00, 3.49, 4.00

\*\* 477868.372, 3742567.686, 448.21, 3.49, 4.00

\*\* 477556.789, 3742575.031, 452.92, 3.49, 4.00

\*\*

---

LOCATION	L0001240	VOLUME	477038.751	3744565.245	455.00
LOCATION	L0001241	VOLUME	477038.800	3744556.655	455.00
LOCATION	L0001242	VOLUME	477038.849	3744548.066	455.00
LOCATION	L0001243	VOLUME	477038.898	3744539.476	455.00
LOCATION	L0001244	VOLUME	477038.947	3744530.886	455.00
LOCATION	L0001245	VOLUME	477038.996	3744522.296	455.00
LOCATION	L0001246	VOLUME	477039.045	3744513.706	455.00
LOCATION	L0001247	VOLUME	477039.110	3744505.117	455.00
LOCATION	L0001248	VOLUME	477039.443	3744496.533	455.00
LOCATION	L0001249	VOLUME	477039.776	3744487.950	455.00
LOCATION	L0001250	VOLUME	477040.109	3744479.366	455.00
LOCATION	L0001251	VOLUME	477040.442	3744470.782	455.00
LOCATION	L0001252	VOLUME	477040.775	3744462.199	455.00
LOCATION	L0001253	VOLUME	477041.108	3744453.615	455.00
LOCATION	L0001254	VOLUME	477041.440	3744445.032	455.00
LOCATION	L0001255	VOLUME	477041.773	3744436.448	455.00
LOCATION	L0001256	VOLUME	477042.106	3744427.865	455.00
LOCATION	L0001257	VOLUME	477042.439	3744419.281	455.00
LOCATION	L0001258	VOLUME	477042.772	3744410.698	455.00
LOCATION	L0001259	VOLUME	477043.105	3744402.114	455.00
LOCATION	L0001260	VOLUME	477043.437	3744393.531	455.00
LOCATION	L0001261	VOLUME	477043.770	3744384.947	455.00
LOCATION	L0001262	VOLUME	477044.103	3744376.363	455.00
LOCATION	L0001263	VOLUME	477044.436	3744367.780	455.00
LOCATION	L0001264	VOLUME	477044.769	3744359.196	455.00
LOCATION	L0001265	VOLUME	477045.102	3744350.613	455.00
LOCATION	L0001266	VOLUME	477045.434	3744342.029	455.11
LOCATION	L0001267	VOLUME	477045.767	3744333.446	455.34
LOCATION	L0001268	VOLUME	477046.100	3744324.862	455.56
LOCATION	L0001269	VOLUME	477046.433	3744316.279	455.78
LOCATION	L0001270	VOLUME	477046.766	3744307.695	455.77
LOCATION	L0001271	VOLUME	477047.099	3744299.111	455.76
LOCATION	L0001272	VOLUME	477047.405	3744290.527	455.75
LOCATION	L0001273	VOLUME	477047.709	3744281.942	455.78
LOCATION	L0001274	VOLUME	477048.014	3744273.358	455.84
LOCATION	L0001275	VOLUME	477048.318	3744264.773	455.92
LOCATION	L0001276	VOLUME	477048.623	3744256.189	456.00
LOCATION	L0001277	VOLUME	477048.928	3744247.604	456.00
LOCATION	L0001278	VOLUME	477049.232	3744239.019	456.00
LOCATION	L0001279	VOLUME	477049.537	3744230.435	456.00
LOCATION	L0001280	VOLUME	477049.841	3744221.850	456.00
LOCATION	L0001281	VOLUME	477050.146	3744213.266	456.00
LOCATION	L0001282	VOLUME	477050.450	3744204.681	456.00
LOCATION	L0001283	VOLUME	477050.755	3744196.096	456.00
LOCATION	L0001284	VOLUME	477051.132	3744187.515	456.00
LOCATION	L0001285	VOLUME	477051.535	3744178.934	456.00
LOCATION	L0001286	VOLUME	477051.939	3744170.354	456.00
LOCATION	L0001287	VOLUME	477052.342	3744161.773	456.00
LOCATION	L0001288	VOLUME	477052.745	3744153.193	456.00
LOCATION	L0001289	VOLUME	477053.148	3744144.612	456.00
LOCATION	L0001290	VOLUME	477053.922	3744136.063	456.00
LOCATION	L0001291	VOLUME	477054.958	3744127.535	456.00
LOCATION	L0001292	VOLUME	477055.995	3744119.008	456.00
LOCATION	L0001293	VOLUME	477057.309	3744110.522	456.00
LOCATION	L0001294	VOLUME	477058.768	3744102.057	456.05
LOCATION	L0001295	VOLUME	477060.226	3744093.591	456.13
LOCATION	L0001296	VOLUME	477061.685	3744085.126	456.19
LOCATION	L0001297	VOLUME	477063.299	3744076.692	456.21
LOCATION	L0001298	VOLUME	477065.257	3744068.328	456.15
LOCATION	L0001299	VOLUME	477067.214	3744059.964	456.09
LOCATION	L0001300	VOLUME	477069.172	3744051.600	456.02
LOCATION	L0001301	VOLUME	477071.129	3744043.236	456.09
LOCATION	L0001302	VOLUME	477073.087	3744034.872	456.34

LOCATION	L0001303	VOLUME	477075.136	3744026.534	456.54
LOCATION	L0001304	VOLUME	477077.863	3744018.389	456.68
LOCATION	L0001305	VOLUME	477080.590	3744010.243	456.64
LOCATION	L0001306	VOLUME	477083.318	3744002.098	456.55
LOCATION	L0001307	VOLUME	477086.045	3743993.952	456.46
LOCATION	L0001308	VOLUME	477088.773	3743985.807	456.37
LOCATION	L0001309	VOLUME	477091.500	3743977.661	456.28
LOCATION	L0001310	VOLUME	477094.228	3743969.516	456.19
LOCATION	L0001311	VOLUME	477097.089	3743961.417	456.09
LOCATION	L0001312	VOLUME	477100.024	3743953.344	456.09
LOCATION	L0001313	VOLUME	477102.960	3743945.271	456.33
LOCATION	L0001314	VOLUME	477105.895	3743937.198	456.51
LOCATION	L0001315	VOLUME	477108.831	3743929.126	456.63
LOCATION	L0001316	VOLUME	477111.766	3743921.053	456.67
LOCATION	L0001317	VOLUME	477114.702	3743912.980	456.72
LOCATION	L0001318	VOLUME	477117.638	3743904.907	456.83
LOCATION	L0001319	VOLUME	477120.573	3743896.834	456.98
LOCATION	L0001320	VOLUME	477123.258	3743888.676	457.00
LOCATION	L0001321	VOLUME	477125.887	3743880.498	457.00
LOCATION	L0001322	VOLUME	477128.516	3743872.320	457.00
LOCATION	L0001323	VOLUME	477131.144	3743864.142	457.00
LOCATION	L0001324	VOLUME	477133.773	3743855.964	457.00
LOCATION	L0001325	VOLUME	477136.401	3743847.786	457.00
LOCATION	L0001326	VOLUME	477139.030	3743839.608	457.00
LOCATION	L0001327	VOLUME	477141.659	3743831.430	457.00
LOCATION	L0001328	VOLUME	477144.287	3743823.252	457.00
LOCATION	L0001329	VOLUME	477147.148	3743815.153	457.00
LOCATION	L0001330	VOLUME	477150.049	3743807.068	457.00
LOCATION	L0001331	VOLUME	477152.950	3743798.983	457.00
LOCATION	L0001332	VOLUME	477155.851	3743790.897	457.00
LOCATION	L0001333	VOLUME	477158.752	3743782.812	457.00
LOCATION	L0001334	VOLUME	477161.653	3743774.727	457.00
LOCATION	L0001335	VOLUME	477164.554	3743766.641	457.00
LOCATION	L0001336	VOLUME	477167.455	3743758.556	457.00
LOCATION	L0001337	VOLUME	477170.356	3743750.471	457.00
LOCATION	L0001338	VOLUME	477173.257	3743742.385	457.00
LOCATION	L0001339	VOLUME	477176.158	3743734.300	457.00
LOCATION	L0001340	VOLUME	477179.059	3743726.215	457.00
LOCATION	L0001341	VOLUME	477181.960	3743718.130	457.00
LOCATION	L0001342	VOLUME	477184.861	3743710.044	457.03
LOCATION	L0001343	VOLUME	477187.762	3743701.959	457.03
LOCATION	L0001344	VOLUME	477190.663	3743693.874	456.99
LOCATION	L0001345	VOLUME	477193.564	3743685.788	457.00
LOCATION	L0001346	VOLUME	477196.465	3743677.703	457.00
LOCATION	L0001347	VOLUME	477199.366	3743669.618	457.00
LOCATION	L0001348	VOLUME	477202.267	3743661.532	457.00
LOCATION	L0001349	VOLUME	477205.172	3743653.449	457.04
LOCATION	L0001350	VOLUME	477208.078	3743645.365	457.14
LOCATION	L0001351	VOLUME	477210.984	3743637.281	457.19
LOCATION	L0001352	VOLUME	477213.889	3743629.198	457.18
LOCATION	L0001353	VOLUME	477216.795	3743621.114	457.10
LOCATION	L0001354	VOLUME	477219.701	3743613.031	457.01
LOCATION	L0001355	VOLUME	477222.606	3743604.947	456.97
LOCATION	L0001356	VOLUME	477225.512	3743596.863	457.00
LOCATION	L0001357	VOLUME	477228.418	3743588.780	457.00
LOCATION	L0001358	VOLUME	477231.324	3743580.696	457.00
LOCATION	L0001359	VOLUME	477234.229	3743572.612	457.00
LOCATION	L0001360	VOLUME	477237.135	3743564.529	457.00
LOCATION	L0001361	VOLUME	477240.041	3743556.445	457.00
LOCATION	L0001362	VOLUME	477242.946	3743548.380	457.00
LOCATION	L0001363	VOLUME	477246.074	3743540.360	457.00
LOCATION	L0001364	VOLUME	477249.152	3743532.341	457.00
LOCATION	L0001365	VOLUME	477252.229	3743524.321	456.95
LOCATION	L0001366	VOLUME	477255.307	3743516.301	456.94
LOCATION	L0001367	VOLUME	477258.385	3743508.281	456.98
LOCATION	L0001368	VOLUME	477261.463	3743500.262	457.00



LOCATION L0001369	VOLUME	477264.540	3743492.242	457.00
LOCATION L0001370	VOLUME	477267.618	3743484.222	457.00
LOCATION L0001371	VOLUME	477270.696	3743476.203	457.00
LOCATION L0001372	VOLUME	477273.773	3743468.183	457.00
LOCATION L0001373	VOLUME	477276.851	3743460.163	457.00
LOCATION L0001374	VOLUME	477279.929	3743452.143	457.00
LOCATION L0001375	VOLUME	477282.836	3743444.061	456.90
LOCATION L0001376	VOLUME	477285.701	3743435.963	456.81
LOCATION L0001377	VOLUME	477288.565	3743427.864	456.71
LOCATION L0001378	VOLUME	477291.430	3743419.766	456.61
LOCATION L0001379	VOLUME	477294.294	3743411.668	456.44
LOCATION L0001380	VOLUME	477297.159	3743403.570	456.25
LOCATION L0001381	VOLUME	477300.024	3743395.471	456.10
LOCATION L0001382	VOLUME	477302.888	3743387.373	456.01
LOCATION L0001383	VOLUME	477305.753	3743379.275	456.00
LOCATION L0001384	VOLUME	477308.617	3743371.176	456.00
LOCATION L0001385	VOLUME	477311.482	3743363.078	455.95
LOCATION L0001386	VOLUME	477314.346	3743354.980	455.85
LOCATION L0001387	VOLUME	477317.211	3743346.881	455.76
LOCATION L0001388	VOLUME	477320.075	3743338.783	455.66
LOCATION L0001389	VOLUME	477322.940	3743330.685	455.56
LOCATION L0001390	VOLUME	477325.804	3743322.586	455.47
LOCATION L0001391	VOLUME	477328.745	3743314.519	455.37
LOCATION L0001392	VOLUME	477332.329	3743306.713	455.25
LOCATION L0001393	VOLUME	477335.914	3743298.906	455.13
LOCATION L0001394	VOLUME	477339.498	3743291.100	455.18
LOCATION L0001395	VOLUME	477343.083	3743283.293	455.38
LOCATION L0001396	VOLUME	477346.667	3743275.487	455.53
LOCATION L0001397	VOLUME	477350.251	3743267.681	455.62
LOCATION L0001398	VOLUME	477353.836	3743259.874	455.53
LOCATION L0001399	VOLUME	477357.550	3743252.140	455.41
LOCATION L0001400	VOLUME	477362.326	3743245.000	455.25
LOCATION L0001401	VOLUME	477367.101	3743237.860	455.09
LOCATION L0001402	VOLUME	477371.917	3743230.749	455.00
LOCATION L0001403	VOLUME	477377.198	3743223.974	455.00
LOCATION L0001404	VOLUME	477382.480	3743217.200	455.00
LOCATION L0001405	VOLUME	477387.762	3743210.425	455.00
LOCATION L0001406	VOLUME	477393.043	3743203.651	455.00
LOCATION L0001407	VOLUME	477398.588	3743197.116	455.00
LOCATION L0001408	VOLUME	477404.815	3743191.198	454.84
LOCATION L0001409	VOLUME	477411.042	3743185.281	454.63
LOCATION L0001410	VOLUME	477417.269	3743179.363	454.42
LOCATION L0001411	VOLUME	477423.496	3743173.446	454.21
LOCATION L0001412	VOLUME	477429.722	3743167.529	454.01
LOCATION L0001413	VOLUME	477435.949	3743161.611	454.00
LOCATION L0001414	VOLUME	477442.237	3743155.763	454.00
LOCATION L0001415	VOLUME	477448.862	3743150.296	454.00
LOCATION L0001416	VOLUME	477455.488	3743144.829	454.00
LOCATION L0001417	VOLUME	477462.114	3743139.362	453.93
LOCATION L0001418	VOLUME	477468.740	3743133.895	453.70
LOCATION L0001419	VOLUME	477475.365	3743128.428	453.48
LOCATION L0001420	VOLUME	477481.991	3743122.961	453.26
LOCATION L0001421	VOLUME	477488.617	3743117.494	453.04
LOCATION L0001422	VOLUME	477495.242	3743112.027	453.11
LOCATION L0001423	VOLUME	477501.852	3743106.540	453.19
LOCATION L0001424	VOLUME	477508.455	3743101.046	453.19
LOCATION L0001425	VOLUME	477515.058	3743095.552	453.11
LOCATION L0001426	VOLUME	477521.662	3743090.058	452.94
LOCATION L0001427	VOLUME	477528.265	3743084.564	452.74
LOCATION L0001428	VOLUME	477534.868	3743079.069	452.62
LOCATION L0001429	VOLUME	477541.471	3743073.575	452.58
LOCATION L0001430	VOLUME	477548.074	3743068.081	452.63
LOCATION L0001431	VOLUME	477554.678	3743062.587	452.66
LOCATION L0001432	VOLUME	477561.281	3743057.093	452.60
LOCATION L0001433	VOLUME	477567.884	3743051.599	452.40
LOCATION L0001434	VOLUME	477574.487	3743046.104	452.18

LOCATION	L0001435	VOLUME	477581.090	3743040.610	452.00
LOCATION	L0001436	VOLUME	477587.693	3743035.116	452.00
LOCATION	L0001437	VOLUME	477594.297	3743029.622	452.00
LOCATION	L0001438	VOLUME	477600.900	3743024.128	452.00
LOCATION	L0001439	VOLUME	477607.496	3743018.625	452.00
LOCATION	L0001440	VOLUME	477614.082	3743013.111	451.86
LOCATION	L0001441	VOLUME	477620.669	3743007.596	451.64
LOCATION	L0001442	VOLUME	477627.255	3743002.082	451.42
LOCATION	L0001443	VOLUME	477633.842	3742996.568	451.20
LOCATION	L0001444	VOLUME	477640.428	3742991.054	451.00
LOCATION	L0001445	VOLUME	477647.015	3742985.540	451.00
LOCATION	L0001446	VOLUME	477653.601	3742980.026	451.00
LOCATION	L0001447	VOLUME	477660.188	3742974.512	451.00
LOCATION	L0001448	VOLUME	477666.774	3742968.997	451.00
LOCATION	L0001449	VOLUME	477673.361	3742963.483	450.88
LOCATION	L0001450	VOLUME	477679.948	3742957.969	450.66
LOCATION	L0001451	VOLUME	477686.534	3742952.455	450.44
LOCATION	L0001452	VOLUME	477693.121	3742946.941	450.23
LOCATION	L0001453	VOLUME	477699.707	3742941.427	450.01
LOCATION	L0001454	VOLUME	477706.294	3742935.913	450.00
LOCATION	L0001455	VOLUME	477712.880	3742930.398	450.00
LOCATION	L0001456	VOLUME	477719.467	3742924.884	450.00
LOCATION	L0001457	VOLUME	477726.053	3742919.370	450.00
LOCATION	L0001458	VOLUME	477732.640	3742913.856	450.00
LOCATION	L0001459	VOLUME	477739.226	3742908.342	450.00
LOCATION	L0001460	VOLUME	477745.813	3742902.828	450.00
LOCATION	L0001461	VOLUME	477752.399	3742897.313	450.00
LOCATION	L0001462	VOLUME	477758.710	3742891.489	450.00
LOCATION	L0001463	VOLUME	477764.958	3742885.594	449.83
LOCATION	L0001464	VOLUME	477771.150	3742879.646	449.62
LOCATION	L0001465	VOLUME	477776.705	3742873.094	449.44
LOCATION	L0001466	VOLUME	477782.260	3742866.542	449.25
LOCATION	L0001467	VOLUME	477787.691	3742859.895	449.07
LOCATION	L0001468	VOLUME	477792.544	3742852.807	449.00
LOCATION	L0001469	VOLUME	477797.397	3742845.720	449.00
LOCATION	L0001470	VOLUME	477802.250	3742838.632	449.00
LOCATION	L0001471	VOLUME	477807.104	3742831.544	449.00
LOCATION	L0001472	VOLUME	477811.957	3742824.457	449.00
LOCATION	L0001473	VOLUME	477816.810	3742817.369	449.00
LOCATION	L0001474	VOLUME	477821.663	3742810.282	448.99
LOCATION	L0001475	VOLUME	477825.728	3742802.743	448.91
LOCATION	L0001476	VOLUME	477829.374	3742794.965	448.78
LOCATION	L0001477	VOLUME	477833.020	3742787.187	448.58
LOCATION	L0001478	VOLUME	477836.666	3742779.409	448.44
LOCATION	L0001479	VOLUME	477840.311	3742771.632	448.32
LOCATION	L0001480	VOLUME	477843.957	3742763.854	448.20
LOCATION	L0001481	VOLUME	477847.603	3742756.076	448.08
LOCATION	L0001482	VOLUME	477850.055	3742747.860	448.00
LOCATION	L0001483	VOLUME	477852.296	3742739.568	448.00
LOCATION	L0001484	VOLUME	477854.538	3742731.276	448.00
LOCATION	L0001485	VOLUME	477856.779	3742722.983	448.00
LOCATION	L0001486	VOLUME	477859.020	3742714.691	448.00
LOCATION	L0001487	VOLUME	477861.261	3742706.398	448.00
LOCATION	L0001488	VOLUME	477863.396	3742698.085	448.00
LOCATION	L0001489	VOLUME	477864.409	3742689.555	448.00
LOCATION	L0001490	VOLUME	477865.422	3742681.025	448.00
LOCATION	L0001491	VOLUME	477866.434	3742672.495	448.00
LOCATION	L0001492	VOLUME	477867.447	3742663.965	448.00
LOCATION	L0001493	VOLUME	477868.460	3742655.435	448.00
LOCATION	L0001494	VOLUME	477869.473	3742646.905	448.00
LOCATION	L0001495	VOLUME	477869.397	3742638.317	448.00
LOCATION	L0001496	VOLUME	477869.281	3742629.728	448.00
LOCATION	L0001497	VOLUME	477869.159	3742621.139	448.00
LOCATION	L0001498	VOLUME	477869.033	3742612.550	448.00
LOCATION	L0001499	VOLUME	477868.906	3742603.961	448.00
LOCATION	L0001500	VOLUME	477868.780	3742595.372	448.00

LOCATION	VOLUME			
LOCATION L0001501	VOLUME	477868.653	3742586.783	448.00
LOCATION L0001502	VOLUME	477868.526	3742578.194	448.00
LOCATION L0001503	VOLUME	477868.400	3742569.605	448.08
LOCATION L0001504	VOLUME	477861.703	3742567.843	448.17
LOCATION L0001505	VOLUME	477853.115	3742568.045	448.24
LOCATION L0001506	VOLUME	477844.527	3742568.248	448.40
LOCATION L0001507	VOLUME	477835.940	3742568.450	448.60
LOCATION L0001508	VOLUME	477827.352	3742568.653	448.81
LOCATION L0001509	VOLUME	477818.765	3742568.855	449.01
LOCATION L0001510	VOLUME	477810.177	3742569.058	449.08
LOCATION L0001511	VOLUME	477801.589	3742569.260	449.14
LOCATION L0001512	VOLUME	477793.002	3742569.463	449.20
LOCATION L0001513	VOLUME	477784.414	3742569.665	449.36
LOCATION L0001514	VOLUME	477775.826	3742569.868	449.58
LOCATION L0001515	VOLUME	477767.239	3742570.070	449.80
LOCATION L0001516	VOLUME	477758.651	3742570.272	450.00
LOCATION L0001517	VOLUME	477750.064	3742570.475	450.00
LOCATION L0001518	VOLUME	477741.476	3742570.677	450.00
LOCATION L0001519	VOLUME	477732.888	3742570.880	450.00
LOCATION L0001520	VOLUME	477724.301	3742571.082	450.19
LOCATION L0001521	VOLUME	477715.713	3742571.285	450.47
LOCATION L0001522	VOLUME	477707.126	3742571.487	450.76
LOCATION L0001523	VOLUME	477698.538	3742571.690	451.00
LOCATION L0001524	VOLUME	477689.950	3742571.892	451.00
LOCATION L0001525	VOLUME	477681.363	3742572.094	451.00
LOCATION L0001526	VOLUME	477672.775	3742572.297	451.00
LOCATION L0001527	VOLUME	477664.187	3742572.499	451.02
LOCATION L0001528	VOLUME	477655.600	3742572.702	451.05
LOCATION L0001529	VOLUME	477647.012	3742572.904	451.08
LOCATION L0001530	VOLUME	477638.425	3742573.107	451.15
LOCATION L0001531	VOLUME	477629.837	3742573.309	451.40
LOCATION L0001532	VOLUME	477621.249	3742573.512	451.65
LOCATION L0001533	VOLUME	477612.662	3742573.714	451.91
LOCATION L0001534	VOLUME	477604.074	3742573.917	452.01
LOCATION L0001535	VOLUME	477595.487	3742574.119	452.03
LOCATION L0001536	VOLUME	477586.899	3742574.321	452.05
LOCATION L0001537	VOLUME	477578.311	3742574.524	452.10
LOCATION L0001538	VOLUME	477569.724	3742574.726	452.37
LOCATION L0001539	VOLUME	477561.136	3742574.929	452.64
** End of LINE VOLUME	Source ID = NEV100			
LOCATION REF2	VOLUME	477366.048	3744881.034	451.130
** DESCRSRC Refuel 2				
LOCATION SPILL2	VOLUME	477366.048	3744881.034	451.130
** DESCRSRC Spill 2				
LOCATION REF1	VOLUME	477348.631	3744881.140	451.710
** DESCRSRC Refuel 1				
LOCATION SPILL1	VOLUME	477348.631	3744881.140	451.710
** DESCRSRC Spill 1				
LOCATION LOAD	POINT	477355.990	3744868.700	451.460
** DESCRSRC Loading				
LOCATION BREATHE	POINT	477355.990	3744868.700	451.460
** DESCRSRC Breathing				
** -----				
** Line Source Represented by Adjacent Volume Sources				
** LINE VOLUME	Source ID = ONRET			
** DESCRSRC Retail Onsite				
** PREFIX				
** Length of Side = 8.59				
** Configuration = Adjacent				
** Emission Rate = 1.0				
** Vertical Dimension = 6.99				
** SZINIT = 3.25				
** Nodes = 4				
** 477043.923, 3744862.723, 454.00, 3.49, 4.00				
** 477328.431, 3744860.909, 452.00, 3.49, 4.00				
** 477374.451, 3744852.748, 451.03, 3.49, 4.00				

\*\* 477392.814, 3744852.748, 451.00, 3.49, 4.00

\*\*

-----  
LOCATION L0001632 VOLUME 477048.218 3744862.695 454.00  
LOCATION L0001633 VOLUME 477056.807 3744862.640 454.00  
LOCATION L0001634 VOLUME 477065.397 3744862.586 454.00  
LOCATION L0001635 VOLUME 477073.987 3744862.531 454.00  
LOCATION L0001636 VOLUME 477082.577 3744862.476 454.00  
LOCATION L0001637 VOLUME 477091.167 3744862.421 454.00  
LOCATION L0001638 VOLUME 477099.757 3744862.367 454.00  
LOCATION L0001639 VOLUME 477108.346 3744862.312 453.72  
LOCATION L0001640 VOLUME 477116.936 3744862.257 453.43  
LOCATION L0001641 VOLUME 477125.526 3744862.202 453.14  
LOCATION L0001642 VOLUME 477134.116 3744862.148 453.00  
LOCATION L0001643 VOLUME 477142.706 3744862.093 453.00  
LOCATION L0001644 VOLUME 477151.295 3744862.038 453.00  
LOCATION L0001645 VOLUME 477159.885 3744861.983 453.00  
LOCATION L0001646 VOLUME 477168.475 3744861.929 453.00  
LOCATION L0001647 VOLUME 477177.065 3744861.874 453.00  
LOCATION L0001648 VOLUME 477185.655 3744861.819 453.00  
LOCATION L0001649 VOLUME 477194.245 3744861.764 453.00  
LOCATION L0001650 VOLUME 477202.834 3744861.710 453.00  
LOCATION L0001651 VOLUME 477211.424 3744861.655 453.00  
LOCATION L0001652 VOLUME 477220.014 3744861.600 452.99  
LOCATION L0001653 VOLUME 477228.604 3744861.545 452.71  
LOCATION L0001654 VOLUME 477237.194 3744861.491 452.42  
LOCATION L0001655 VOLUME 477245.784 3744861.436 452.14  
LOCATION L0001656 VOLUME 477254.373 3744861.381 452.00  
LOCATION L0001657 VOLUME 477262.963 3744861.326 452.00  
LOCATION L0001658 VOLUME 477271.553 3744861.272 452.00  
LOCATION L0001659 VOLUME 477280.143 3744861.217 452.00  
LOCATION L0001660 VOLUME 477288.733 3744861.162 452.00  
LOCATION L0001661 VOLUME 477297.323 3744861.107 452.00  
LOCATION L0001662 VOLUME 477305.912 3744861.053 452.00  
LOCATION L0001663 VOLUME 477314.502 3744860.998 452.00  
LOCATION L0001664 VOLUME 477323.092 3744860.943 452.00  
LOCATION L0001665 VOLUME 477331.682 3744860.888 452.00  
LOCATION L0001666 VOLUME 477340.272 3744858.841 451.99  
LOCATION L0001667 VOLUME 477348.862 3744857.794 451.71  
LOCATION L0001668 VOLUME 477357.452 3744855.747 451.43  
LOCATION L0001669 VOLUME 477366.042 3744854.700 451.15  
LOCATION L0001670 VOLUME 477374.632 3744852.653 451.00  
LOCATION L0001671 VOLUME 477383.222 3744852.606 451.00  
LOCATION L0001672 VOLUME 477391.812 3744852.559 451.00

\*\* End of LINE VOLUME Source ID = ONRET

LOCATION BLDG1 VOLUME 477079.436 3744874.749 454.000

\*\* DESCRSRC Retail Bldg 1 Idle

LOCATION BLDG2 VOLUME 477097.640 3744893.723 454.000

\*\* DESCRSRC Retail Bldg 2 Idle

LOCATION BLDG3 VOLUME 477162.384 3744868.522 453.000

\*\* DESCRSRC Retail Bldg 3 Idle

LOCATION BLDG4 VOLUME 477203.180 3744868.104 453.000

\*\* DESCRSRC Retail Bldg 4 Idle

LOCATION BLDG5 VOLUME 477277.671 3744886.065 452.000

\*\* DESCRSRC Retail Bldg 5 Idle

LOCATION BLDG6 VOLUME 477302.455 3744885.508 452.000

\*\* DESCRSRC Retail Bldg 6 Idle

LOCATION BLDG7 VOLUME 477368.591 3744898.596 451.020

\*\* DESCRSRC Retail Bldg 7 Idle

LOCATION BLDG8 VOLUME 477392.540 3744892.331 451.000

\*\* DESCRSRC Retail Bldg 8 Idle

LOCATION GASIDLE VOLUME 477370.680 3744867.268 451.000

\*\* DESCRSRC Retail Gas Idle

\*\*

\*\* Line Source Represented by Adjacent Volume Sources

\*\* LINE VOLUME Source ID = OFFRET

\*\* DESCRSRC Offsite Nevada Retail

```

** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.0
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 477037.841, 3744863.171, 454.00, 3.49, 4.00
** 477038.191, 3744821.551, 454.00, 3.49, 4.00

```

```

-----
** LOCATION L0001714      VOLUME  477037.877 3744858.877 454.00
** LOCATION L0001715      VOLUME  477037.949 3744850.287 454.00
** LOCATION L0001716      VOLUME  477038.021 3744841.697 454.00
** LOCATION L0001717      VOLUME  477038.093 3744833.107 454.00
** LOCATION L0001718      VOLUME  477038.166 3744824.518 454.00
** End of LINE VOLUME Source ID = OFFRET
** LOCATION TLB           VOLUME  477233.822 3744630.844      453.000

```

```

** DESCRSRC Offroad Equipment

```

```

** Source Parameters **

```

```

** LINE VOLUME Source ID = IDLEW
** SRCPARAM L0001027      0.03125      3.49      4.00      3.25
** SRCPARAM L0001028      0.03125      3.49      4.00      3.25
** SRCPARAM L0001029      0.03125      3.49      4.00      3.25
** SRCPARAM L0001030      0.03125      3.49      4.00      3.25
** SRCPARAM L0001031      0.03125      3.49      4.00      3.25
** SRCPARAM L0001032      0.03125      3.49      4.00      3.25
** SRCPARAM L0001033      0.03125      3.49      4.00      3.25
** SRCPARAM L0001034      0.03125      3.49      4.00      3.25
** SRCPARAM L0001035      0.03125      3.49      4.00      3.25
** SRCPARAM L0001036      0.03125      3.49      4.00      3.25
** SRCPARAM L0001037      0.03125      3.49      4.00      3.25
** SRCPARAM L0001038      0.03125      3.49      4.00      3.25
** SRCPARAM L0001039      0.03125      3.49      4.00      3.25
** SRCPARAM L0001040      0.03125      3.49      4.00      3.25
** SRCPARAM L0001041      0.03125      3.49      4.00      3.25
** SRCPARAM L0001042      0.03125      3.49      4.00      3.25
** SRCPARAM L0001043      0.03125      3.49      4.00      3.25
** SRCPARAM L0001044      0.03125      3.49      4.00      3.25
** SRCPARAM L0001045      0.03125      3.49      4.00      3.25
** SRCPARAM L0001046      0.03125      3.49      4.00      3.25
** SRCPARAM L0001047      0.03125      3.49      4.00      3.25
** SRCPARAM L0001048      0.03125      3.49      4.00      3.25
** SRCPARAM L0001049      0.03125      3.49      4.00      3.25
** SRCPARAM L0001050      0.03125      3.49      4.00      3.25
** SRCPARAM L0001051      0.03125      3.49      4.00      3.25
** SRCPARAM L0001052      0.03125      3.49      4.00      3.25
** SRCPARAM L0001053      0.03125      3.49      4.00      3.25
** SRCPARAM L0001054      0.03125      3.49      4.00      3.25
** SRCPARAM L0001055      0.03125      3.49      4.00      3.25
** SRCPARAM L0001056      0.03125      3.49      4.00      3.25
** SRCPARAM L0001057      0.03125      3.49      4.00      3.25
** SRCPARAM L0001058      0.03125      3.49      4.00      3.25

```

```

-----
** LINE VOLUME Source ID = IDLEE
** SRCPARAM L0001059      0.03125      3.49      4.00      3.25
** SRCPARAM L0001060      0.03125      3.49      4.00      3.25
** SRCPARAM L0001061      0.03125      3.49      4.00      3.25
** SRCPARAM L0001062      0.03125      3.49      4.00      3.25
** SRCPARAM L0001063      0.03125      3.49      4.00      3.25
** SRCPARAM L0001064      0.03125      3.49      4.00      3.25
** SRCPARAM L0001065      0.03125      3.49      4.00      3.25
** SRCPARAM L0001066      0.03125      3.49      4.00      3.25
** SRCPARAM L0001067      0.03125      3.49      4.00      3.25
** SRCPARAM L0001068      0.03125      3.49      4.00      3.25
** SRCPARAM L0001069      0.03125      3.49      4.00      3.25
** SRCPARAM L0001070      0.03125      3.49      4.00      3.25

```

















SRCPARAM	L0001521	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001522	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001523	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001524	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001525	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001526	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001527	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001528	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001529	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001530	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001531	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001532	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001533	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001534	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001535	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001536	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001537	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001538	0.0033333333	3.49	4.00	3.25
SRCPARAM	L0001539	0.0033333333	3.49	4.00	3.25

\*\*

SRCPARAM	REF2	1.0	1.000	3.953	2.330	
SRCPARAM	SPILL2	1.0	0.000	3.953	2.330	
SRCPARAM	REF1	1.0	1.000	3.953	2.330	
SRCPARAM	SPILL1	1.0	0.000	3.953	2.330	
SRCPARAM	LOAD	1.0	3.660	291.480	0.00063	0.051
SRCPARAM	BREATHE	1.0	3.660	288.710	0.00010	0.051

\*\* LINE VOLUME Source ID = ONRET

SRCPARAM	L0001632	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001633	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001634	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001635	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001636	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001637	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001638	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001639	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001640	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001641	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001642	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001643	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001644	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001645	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001646	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001647	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001648	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001649	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001650	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001651	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001652	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001653	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001654	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001655	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001656	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001657	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001658	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001659	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001660	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001661	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001662	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001663	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001664	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001665	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001666	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001667	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001668	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001669	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001670	0.0243902439	3.49	4.00	3.25

SRCPARAM	L0001671	0.0243902439	3.49	4.00	3.25
SRCPARAM	L0001672	0.0243902439	3.49	4.00	3.25

\*\*

SRCPARAM	BLDG1	1.0	3.490	1.998	3.250
SRCPARAM	BLDG2	1.0	3.490	1.998	3.250
SRCPARAM	BLDG3	1.0	3.490	1.998	3.250
SRCPARAM	BLDG4	1.0	3.490	1.998	3.250
SRCPARAM	BLDG5	1.0	3.490	1.998	3.250
SRCPARAM	BLDG6	1.0	3.490	1.998	3.250
SRCPARAM	BLDG7	1.0	3.490	1.998	3.250
SRCPARAM	BLDG8	1.0	3.490	1.998	3.250
SRCPARAM	GASIDLE	1.0	3.490	1.998	3.250

\*\* LINE VOLUME Source ID = OFFRET

SRCPARAM	L0001714	0.2	3.49	4.00	3.25
SRCPARAM	L0001715	0.2	3.49	4.00	3.25
SRCPARAM	L0001716	0.2	3.49	4.00	3.25
SRCPARAM	L0001717	0.2	3.49	4.00	3.25
SRCPARAM	L0001718	0.2	3.49	4.00	3.25

\*\*

SRCPARAM	TLB	1.0	5.000	86.840	1.400
URBANSRC	ALL				
SRCGROUP	BLDG1	BLDG1			
SRCGROUP	BLDG2	BLDG2			
SRCGROUP	BLDG3	BLDG3			
SRCGROUP	BLDG4	BLDG4			
SRCGROUP	BLDG5	BLDG5			
SRCGROUP	BLDG6	BLDG6			
SRCGROUP	BLDG7	BLDG7			
SRCGROUP	BLDG8	BLDG8			
SRCGROUP	BREATHE	BREATHE			
SRCGROUP	DW2	L0001135 L0001136 L0001137 L0001138 L0001139 L0001140			
SRCGROUP	DW3	L0001091 L0001092 L0001093 L0001094 L0001095 L0001096			
SRCGROUP	GASIDLE	GASIDLE			
SRCGROUP	IDLEE	L0001059 L0001060 L0001061 L0001062 L0001063 L0001064			
SRCGROUP	IDLEE	L0001065 L0001066 L0001067 L0001068 L0001069 L0001070			
SRCGROUP	IDLEE	L0001071 L0001072 L0001073 L0001074 L0001075 L0001076			
SRCGROUP	IDLEE	L0001077 L0001078 L0001079 L0001080 L0001081 L0001082			
SRCGROUP	IDLEE	L0001083 L0001084 L0001085 L0001086 L0001087 L0001088			
SRCGROUP	IDLEE	L0001089 L0001090			
SRCGROUP	IDLEW	L0001027 L0001028 L0001029 L0001030 L0001031 L0001032			
SRCGROUP	IDLEW	L0001033 L0001034 L0001035 L0001036 L0001037 L0001038			
SRCGROUP	IDLEW	L0001039 L0001040 L0001041 L0001042 L0001043 L0001044			
SRCGROUP	IDLEW	L0001045 L0001046 L0001047 L0001048 L0001049 L0001050			
SRCGROUP	IDLEW	L0001051 L0001052 L0001053 L0001054 L0001055 L0001056			
SRCGROUP	IDLEW	L0001057 L0001058			
SRCGROUP	LOAD	LOAD			
SRCGROUP	NEV100	L0001240 L0001241 L0001242 L0001243 L0001244 L0001245			
SRCGROUP	NEV100	L0001246 L0001247 L0001248 L0001249 L0001250 L0001251			
SRCGROUP	NEV100	L0001252 L0001253 L0001254 L0001255 L0001256 L0001257			
SRCGROUP	NEV100	L0001258 L0001259 L0001260 L0001261 L0001262 L0001263			
SRCGROUP	NEV100	L0001264 L0001265 L0001266 L0001267 L0001268 L0001269			
SRCGROUP	NEV100	L0001270 L0001271 L0001272 L0001273 L0001274 L0001275			
SRCGROUP	NEV100	L0001276 L0001277 L0001278 L0001279 L0001280 L0001281			
SRCGROUP	NEV100	L0001282 L0001283 L0001284 L0001285 L0001286 L0001287			
SRCGROUP	NEV100	L0001288 L0001289 L0001290 L0001291 L0001292 L0001293			
SRCGROUP	NEV100	L0001294 L0001295 L0001296 L0001297 L0001298 L0001299			
SRCGROUP	NEV100	L0001300 L0001301 L0001302 L0001303 L0001304 L0001305			
SRCGROUP	NEV100	L0001306 L0001307 L0001308 L0001309 L0001310 L0001311			
SRCGROUP	NEV100	L0001312 L0001313 L0001314 L0001315 L0001316 L0001317			
SRCGROUP	NEV100	L0001318 L0001319 L0001320 L0001321 L0001322 L0001323			
SRCGROUP	NEV100	L0001324 L0001325 L0001326 L0001327 L0001328 L0001329			
SRCGROUP	NEV100	L0001330 L0001331 L0001332 L0001333 L0001334 L0001335			
SRCGROUP	NEV100	L0001336 L0001337 L0001338 L0001339 L0001340 L0001341			
SRCGROUP	NEV100	L0001342 L0001343 L0001344 L0001345 L0001346 L0001347			
SRCGROUP	NEV100	L0001348 L0001349 L0001350 L0001351 L0001352 L0001353			
SRCGROUP	NEV100	L0001354 L0001355 L0001356 L0001357 L0001358 L0001359			

SRCGROUP	NEV100	L0001360	L0001361	L0001362	L0001363	L0001364	L0001365
SRCGROUP	NEV100	L0001366	L0001367	L0001368	L0001369	L0001370	L0001371
SRCGROUP	NEV100	L0001372	L0001373	L0001374	L0001375	L0001376	L0001377
SRCGROUP	NEV100	L0001378	L0001379	L0001380	L0001381	L0001382	L0001383
SRCGROUP	NEV100	L0001384	L0001385	L0001386	L0001387	L0001388	L0001389
SRCGROUP	NEV100	L0001390	L0001391	L0001392	L0001393	L0001394	L0001395
SRCGROUP	NEV100	L0001396	L0001397	L0001398	L0001399	L0001400	L0001401
SRCGROUP	NEV100	L0001402	L0001403	L0001404	L0001405	L0001406	L0001407
SRCGROUP	NEV100	L0001408	L0001409	L0001410	L0001411	L0001412	L0001413
SRCGROUP	NEV100	L0001414	L0001415	L0001416	L0001417	L0001418	L0001419
SRCGROUP	NEV100	L0001420	L0001421	L0001422	L0001423	L0001424	L0001425
SRCGROUP	NEV100	L0001426	L0001427	L0001428	L0001429	L0001430	L0001431
SRCGROUP	NEV100	L0001432	L0001433	L0001434	L0001435	L0001436	L0001437
SRCGROUP	NEV100	L0001438	L0001439	L0001440	L0001441	L0001442	L0001443
SRCGROUP	NEV100	L0001444	L0001445	L0001446	L0001447	L0001448	L0001449
SRCGROUP	NEV100	L0001450	L0001451	L0001452	L0001453	L0001454	L0001455
SRCGROUP	NEV100	L0001456	L0001457	L0001458	L0001459	L0001460	L0001461
SRCGROUP	NEV100	L0001462	L0001463	L0001464	L0001465	L0001466	L0001467
SRCGROUP	NEV100	L0001468	L0001469	L0001470	L0001471	L0001472	L0001473
SRCGROUP	NEV100	L0001474	L0001475	L0001476	L0001477	L0001478	L0001479
SRCGROUP	NEV100	L0001480	L0001481	L0001482	L0001483	L0001484	L0001485
SRCGROUP	NEV100	L0001486	L0001487	L0001488	L0001489	L0001490	L0001491
SRCGROUP	NEV100	L0001492	L0001493	L0001494	L0001495	L0001496	L0001497
SRCGROUP	NEV100	L0001498	L0001499	L0001500	L0001501	L0001502	L0001503
SRCGROUP	NEV100	L0001504	L0001505	L0001506	L0001507	L0001508	L0001509
SRCGROUP	NEV100	L0001510	L0001511	L0001512	L0001513	L0001514	L0001515
SRCGROUP	NEV100	L0001516	L0001517	L0001518	L0001519	L0001520	L0001521
SRCGROUP	NEV100	L0001522	L0001523	L0001524	L0001525	L0001526	L0001527
SRCGROUP	NEV100	L0001528	L0001529	L0001530	L0001531	L0001532	L0001533
SRCGROUP	NEV100	L0001534	L0001535	L0001536	L0001537	L0001538	L0001539
SRCGROUP	NEV50	L0001211	L0001212	L0001213	L0001214	L0001215	L0001216
SRCGROUP	NEV50	L0001217	L0001218	L0001219	L0001220	L0001221	L0001222
SRCGROUP	NEV50	L0001223	L0001224	L0001225	L0001226	L0001227	L0001228
SRCGROUP	NEV50	L0001229	L0001230	L0001231	L0001232	L0001233	L0001234
SRCGROUP	NEV50	L0001235	L0001236	L0001237	L0001238	L0001239	
SRCGROUP	OFFRET	L0001714	L0001715	L0001716	L0001717	L0001718	
SRCGROUP	ONE	L0001141	L0001142	L0001143	L0001144	L0001145	L0001146
SRCGROUP	ONE	L0001147	L0001148	L0001149	L0001150	L0001151	L0001152
SRCGROUP	ONE	L0001153	L0001154	L0001155	L0001156	L0001157	L0001158
SRCGROUP	ONE	L0001159	L0001160	L0001161	L0001162	L0001163	L0001164
SRCGROUP	ONE	L0001165	L0001166	L0001167	L0001168	L0001169	L0001170
SRCGROUP	ONE	L0001171	L0001172	L0001173	L0001174	L0001175	L0001176
SRCGROUP	ONE	L0001177	L0001178	L0001179	L0001180	L0001181	L0001182
SRCGROUP	ONE	L0001183	L0001184	L0001185	L0001186	L0001187	L0001188
SRCGROUP	ONE	L0001189	L0001190	L0001191	L0001192	L0001193	L0001194
SRCGROUP	ONE	L0001195	L0001196	L0001197	L0001198	L0001199	L0001200
SRCGROUP	ONE	L0001201	L0001202	L0001203	L0001204	L0001205	L0001206
SRCGROUP	ONE	L0001207	L0001208	L0001209	L0001210		
SRCGROUP	ONRET	L0001632	L0001633	L0001634	L0001635	L0001636	L0001637
SRCGROUP	ONRET	L0001638	L0001639	L0001640	L0001641	L0001642	L0001643
SRCGROUP	ONRET	L0001644	L0001645	L0001646	L0001647	L0001648	L0001649
SRCGROUP	ONRET	L0001650	L0001651	L0001652	L0001653	L0001654	L0001655
SRCGROUP	ONRET	L0001656	L0001657	L0001658	L0001659	L0001660	L0001661
SRCGROUP	ONRET	L0001662	L0001663	L0001664	L0001665	L0001666	L0001667
SRCGROUP	ONRET	L0001668	L0001669	L0001670	L0001671	L0001672	
SRCGROUP	ONW	L0001097	L0001098	L0001099	L0001100	L0001101	L0001102
SRCGROUP	ONW	L0001103	L0001104	L0001105	L0001106	L0001107	L0001108
SRCGROUP	ONW	L0001109	L0001110	L0001111	L0001112	L0001113	L0001114
SRCGROUP	ONW	L0001115	L0001116	L0001117	L0001118	L0001119	L0001120
SRCGROUP	ONW	L0001121	L0001122	L0001123	L0001124	L0001125	L0001126
SRCGROUP	ONW	L0001127	L0001128	L0001129	L0001130	L0001131	L0001132
SRCGROUP	ONW	L0001133	L0001134				
SRCGROUP	REF1	REF1					
SRCGROUP	REF2	REF2					
SRCGROUP	SPILL1	SPILL1					
SRCGROUP	SPILL2	SPILL2					

```
SRCGROUP TLB      TLB
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED "13998 Ops.rou"
RE FINISHED
**
*****
** AERMOD Meteorology Pathway
*****
**
**
ME STARTING
  SURFFILE PERI_V9_ADJU\PERI_v9.SFC
  PROFFILE PERI_V9_ADJU\PERI_v9.PFL
  SURFDATA 3171 2010
  UAIRDATA 3190 2010
  SITEDATA 99999 2010
  PROFBASE 442.0 METERS
ME FINISHED
**
*****
** AERMOD Output Pathway
*****
**
**
OU STARTING
  RECTABLE ALLAVE 1ST
  RECTABLE 1 1ST
  PLOTFILE 1 ALL 1ST "13998 Ops.AD\ALL_1H.PLT" 31
  PLOTFILE ANNUAL ALL "13998 Ops.AD\ALL_ANN.PLT" 32
  PLOTFILE 1 BLDG1 1ST "13998 Ops.AD\BLDG1_1H.PLT" 33
  PLOTFILE ANNUAL BLDG1 "13998 Ops.AD\BLDG1_ANN.PLT" 34
  PLOTFILE ANNUAL BLDG2 "13998 Ops.AD\BLDG2_ANN.PLT" 35
  PLOTFILE 1 BLDG2 1ST "13998 Ops.AD\BLDG2_1H.PLT" 36
  PLOTFILE 1 BLDG3 1ST "13998 Ops.AD\BLDG3_1H.PLT" 37
  PLOTFILE ANNUAL BLDG3 "13998 Ops.AD\BLDG3_ANN.PLT" 38
  PLOTFILE ANNUAL BLDG4 "13998 Ops.AD\BLDG4_ANN.PLT" 39
  PLOTFILE 1 BLDG4 1ST "13998 Ops.AD\BLDG4_1H.PLT" 40
  PLOTFILE 1 BLDG5 1ST "13998 Ops.AD\BLDG5_1H.PLT" 41
  PLOTFILE ANNUAL BLDG5 "13998 Ops.AD\BLDG5_ANN.PLT" 42
  PLOTFILE ANNUAL BLDG6 "13998 Ops.AD\BLDG6_ANN.PLT" 43
  PLOTFILE 1 BLDG6 1ST "13998 Ops.AD\BLDG6_1H.PLT" 44
  PLOTFILE 1 BLDG7 1ST "13998 Ops.AD\BLDG7_1H.PLT" 45
  PLOTFILE ANNUAL BLDG7 "13998 Ops.AD\BLDG7_ANN.PLT" 46
  PLOTFILE ANNUAL BLDG8 "13998 Ops.AD\BLDG8_ANN.PLT" 47
  PLOTFILE 1 BLDG8 1ST "13998 Ops.AD\BLDG8_1H.PLT" 48
  PLOTFILE 1 BREATHE 1ST "13998 Ops.AD\BREATHE_1H.PLT" 49
  PLOTFILE ANNUAL BREATHE "13998 Ops.AD\BREATHE_ANN.PLT" 50
  PLOTFILE ANNUAL DW2 "13998 Ops.AD\DW2_ANN.PLT" 51
  PLOTFILE 1 DW2 1ST "13998 Ops.AD\DW2_1H.PLT" 52
  PLOTFILE 1 DW3 1ST "13998 Ops.AD\DW3_1H.PLT" 53
  PLOTFILE ANNUAL DW3 "13998 Ops.AD\DW3_ANN.PLT" 54
  PLOTFILE ANNUAL GASIDLE "13998 Ops.AD\GASIDLE_ANN.PLT" 55
  PLOTFILE 1 GASIDLE 1ST "13998 Ops.AD\GASIDLE_1H.PLT" 56
  PLOTFILE 1 IDLEE 1ST "13998 Ops.AD\IDLEE_1H.PLT" 57
  PLOTFILE ANNUAL IDLEE "13998 Ops.AD\IDLEE_ANN.PLT" 58
  PLOTFILE ANNUAL IDLEW "13998 Ops.AD\IDLEW_ANN.PLT" 59
  PLOTFILE 1 IDLEW 1ST "13998 Ops.AD\IDLEW_1H.PLT" 60
  PLOTFILE 1 LOAD 1ST "13998 Ops.AD\LOAD_1H.PLT" 61
```



PLOTFILE ANNUAL LOAD "13998 Ops.AD\LOAD\_ANN.PLT" 62  
PLOTFILE ANNUAL NEV100 "13998 Ops.AD\NEV100\_ANN.PLT" 63  
PLOTFILE 1 NEV100 1ST "13998 Ops.AD\NEV100\_1H.PLT" 64  
PLOTFILE 1 NEV50 1ST "13998 Ops.AD\NEV50\_1H.PLT" 65  
PLOTFILE ANNUAL NEV50 "13998 Ops.AD\NEV50\_ANN.PLT" 66  
PLOTFILE ANNUAL OFFRET "13998 Ops.AD\OFFRET\_ANN.PLT" 67  
PLOTFILE 1 OFFRET 1ST "13998 Ops.AD\OFFRET\_1H.PLT" 68  
PLOTFILE 1 ONE 1ST "13998 Ops.AD\ONE\_1H.PLT" 69  
PLOTFILE ANNUAL ONE "13998 Ops.AD\ONE\_ANN.PLT" 70  
PLOTFILE ANNUAL ONRET "13998 Ops.AD\ONRET\_ANN.PLT" 71  
PLOTFILE 1 ONRET 1ST "13998 Ops.AD\ONRET\_1H.PLT" 72  
PLOTFILE 1 ONW 1ST "13998 Ops.AD\ONW\_1H.PLT" 73  
PLOTFILE ANNUAL ONW "13998 Ops.AD\ONW\_ANN.PLT" 74  
PLOTFILE ANNUAL REF1 "13998 Ops.AD\REF1\_ANN.PLT" 75  
PLOTFILE 1 REF1 1ST "13998 Ops.AD\REF1\_1H.PLT" 76  
PLOTFILE 1 REF2 1ST "13998 Ops.AD\REF2\_1H.PLT" 77  
PLOTFILE ANNUAL REF2 "13998 Ops.AD\REF2\_ANN.PLT" 78  
PLOTFILE ANNUAL SPILL1 "13998 Ops.AD\SPILL1\_ANN.PLT" 79  
PLOTFILE 1 SPILL1 1ST "13998 Ops.AD\SPILL1\_1H.PLT" 80  
PLOTFILE 1 SPILL2 1ST "13998 Ops.AD\SPILL2\_1H.PLT" 81  
PLOTFILE ANNUAL SPILL2 "13998 Ops.AD\SPILL2\_ANN.PLT" 82  
PLOTFILE ANNUAL TLB "13998 Ops.AD\TLB\_ANN.PLT" 83  
PLOTFILE 1 TLB 1ST "13998 Ops.AD\TLB\_1H.PLT" 84  
SUMMFILE "13998 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 1544 MEOpen: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50  
ME W187 1544 MEOpen: ADJ\_U\* Option for Stable Low Winds used in AERMET

\*\*\*\*\*  
\*\*\* SETUP Finishes Successfully \*\*\*  
\*\*\*\*\*

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 13:37:49

PAGE 1

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* MODEL SETUP OPTIONS SUMMARY \*\*\*

---  
---  
\*\*Model Is Setup For Calculation of Average CONCentration Values.

-- DEPOSITION LOGIC --  
\*\*NO GAS DEPOSITION Data Provided.  
\*\*NO PARTICLE DEPOSITION Data Provided.  
\*\*Model Uses NO DRY DEPLETION. DRYDPLT = F

\*\*Model Uses NO WET DEPLETION. WETDPLT = F

\*\*Model Uses URBAN Dispersion Algorithm for the SBL for 575 Source(s),  
for Total of 1 Urban Area(s):  
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m

\*\*Model Uses Regulatory DEFAULT Options:

1. Stack-tip Downwash.
2. Model Accounts for ELEVated Terrain Effects.
3. Use Calms Processing Routine.
4. Use Missing Data Processing Routine.
5. No Exponential Decay.
6. Urban Roughness Length of 1.0 Meter Assumed.

\*\*Other Options Specified:

ADJ\_U\* - Use ADJ\_U\* option for SBL in AERMET  
CCVR\_Sub - Meteorological data includes CCVR substitutions  
TEMP\_Sub - Meteorological data includes TEMP substitutions

\*\*Model Assumes No FLAGPOLE Receptor Heights.

\*\*The User Specified a Pollutant Type of: DPM

\*\*Model Calculates 1 Short Term Average(s) of: 1-HR  
and Calculates ANNUAL Averages

\*\*This Run Includes: 575 Source(s); 27 Source Group(s); and 84 Receptor(s)

with: 2 POINT(s), including  
0 POINTCAP(s) and 0 POINTHOR(s)

and: 573 VOLUME source(s)

and: 0 AREA type source(s)

and: 0 LINE source(s)

and: 0 RLINE/RLINEXT source(s)

and: 0 OPENPIT source(s)

and: 0 BUOYANT LINE source(s) with a total of 0 line(s)

\*\*Model Set To Continue RUNNING After the Setup Testing.

\*\*The AERMET Input Meteorological Data Version Date: 16216

\*\*Output Options Selected:

Model Outputs Tables of ANNUAL Averages by Receptor  
Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)  
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)  
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

\*\*NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours  
m for Missing Hours  
b for Both Calm and Missing Hours

\*\*Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay Coef. =  
0.000 ; Rot. Angle = 0.0  
Emission Units = GRAMS/SEC ; Emission Rate  
Unit Factor = 0.10000E+07  
Output Units = MICROGRAMS/M\*\*3

\*\*Approximate Storage Requirements of Model = 3.9 MB of RAM.

\*\*Input Runstream File:  
aermod.inp

\*\*Output Print File:  
aermod.out



L0001036	0	0.31250E-01	477125.0	3744696.5	454.0	3.49	4.00	3.25
YES								
L0001037	0	0.31250E-01	477125.0	3744687.9	454.0	3.49	4.00	3.25
YES								
L0001038	0	0.31250E-01	477124.9	3744679.4	454.0	3.49	4.00	3.25
YES								
L0001039	0	0.31250E-01	477124.9	3744670.8	454.0	3.49	4.00	3.25
YES								
L0001040	0	0.31250E-01	477124.8	3744662.2	454.0	3.49	4.00	3.25
YES								
L0001041	0	0.31250E-01	477124.8	3744653.6	454.0	3.49	4.00	3.25
YES								
L0001042	0	0.31250E-01	477124.8	3744645.0	454.0	3.49	4.00	3.25
YES								
L0001043	0	0.31250E-01	477124.7	3744636.4	454.0	3.49	4.00	3.25
YES								
L0001044	0	0.31250E-01	477124.7	3744627.8	454.0	3.49	4.00	3.25
YES								
L0001045	0	0.31250E-01	477124.6	3744619.2	454.0	3.49	4.00	3.25
YES								
L0001046	0	0.31250E-01	477124.6	3744610.6	454.0	3.49	4.00	3.25
YES								
L0001047	0	0.31250E-01	477124.6	3744602.0	454.0	3.49	4.00	3.25
YES								
L0001048	0	0.31250E-01	477124.5	3744593.5	454.0	3.49	4.00	3.25
YES								
L0001049	0	0.31250E-01	477124.5	3744584.9	454.0	3.49	4.00	3.25
YES								
L0001050	0	0.31250E-01	477124.4	3744576.3	454.0	3.49	4.00	3.25
YES								
L0001051	0	0.31250E-01	477124.4	3744567.7	454.0	3.49	4.00	3.25
YES								
L0001052	0	0.31250E-01	477124.4	3744559.1	454.0	3.49	4.00	3.25
YES								
L0001053	0	0.31250E-01	477124.3	3744550.5	454.0	3.49	4.00	3.25
YES								
L0001054	0	0.31250E-01	477124.3	3744541.9	454.0	3.49	4.00	3.25
YES								
L0001055	0	0.31250E-01	477124.2	3744533.3	454.0	3.49	4.00	3.25
YES								
L0001056	0	0.31250E-01	477124.2	3744524.7	454.0	3.49	4.00	3.25
YES								
L0001057	0	0.31250E-01	477124.2	3744516.1	454.0	3.49	4.00	3.25
YES								
L0001058	0	0.31250E-01	477124.1	3744507.6	454.0	3.49	4.00	3.25
YES								
L0001059	0	0.31250E-01	477352.2	3744771.7	451.6	3.49	4.00	3.25
YES								
L0001060	0	0.31250E-01	477352.1	3744763.1	451.6	3.49	4.00	3.25
YES								
L0001061	0	0.31250E-01	477352.0	3744754.5	451.6	3.49	4.00	3.25
YES								
L0001062	0	0.31250E-01	477352.0	3744745.9	451.6	3.49	4.00	3.25
YES								
L0001063	0	0.31250E-01	477351.9	3744737.3	451.6	3.49	4.00	3.25
YES								
L0001064	0	0.31250E-01	477351.8	3744728.8	451.6	3.49	4.00	3.25
YES								
L0001065	0	0.31250E-01	477351.7	3744720.2	451.6	3.49	4.00	3.25
YES								
L0001066	0	0.31250E-01	477351.6	3744711.6	451.6	3.49	4.00	3.25
YES								





L0001115	0	0.26316E-01	477102.4	3744662.6	454.0	3.49	4.00	3.25
YES								
L0001116	0	0.26316E-01	477102.4	3744654.0	454.0	3.49	4.00	3.25
YES								
L0001117	0	0.26316E-01	477102.4	3744645.4	454.0	3.49	4.00	3.25
YES								
L0001118	0	0.26316E-01	477102.5	3744636.9	454.0	3.49	4.00	3.25
YES								
L0001119	0	0.26316E-01	477102.5	3744628.3	454.0	3.49	4.00	3.25
YES								
L0001120	0	0.26316E-01	477102.5	3744619.7	454.0	3.49	4.00	3.25
YES								
L0001121	0	0.26316E-01	477102.6	3744611.1	454.0	3.49	4.00	3.25
YES								
L0001122	0	0.26316E-01	477102.6	3744602.5	454.0	3.49	4.00	3.25
YES								
L0001123	0	0.26316E-01	477102.6	3744593.9	454.0	3.49	4.00	3.25
YES								
L0001124	0	0.26316E-01	477102.7	3744585.3	454.0	3.49	4.00	3.25
YES								
L0001125	0	0.26316E-01	477102.7	3744576.7	454.0	3.49	4.00	3.25
YES								
L0001126	0	0.26316E-01	477102.7	3744568.1	454.0	3.49	4.00	3.25
YES								
L0001127	0	0.26316E-01	477102.8	3744559.5	454.0	3.49	4.00	3.25
YES								
L0001128	0	0.26316E-01	477102.8	3744551.0	454.0	3.49	4.00	3.25
YES								
L0001129	0	0.26316E-01	477102.8	3744542.4	454.0	3.49	4.00	3.25
YES								
L0001130	0	0.26316E-01	477102.9	3744533.8	454.0	3.49	4.00	3.25
YES								
L0001131	0	0.26316E-01	477102.9	3744525.2	454.0	3.49	4.00	3.25
YES								
L0001132	0	0.26316E-01	477102.9	3744516.6	454.0	3.49	4.00	3.25
YES								
L0001133	0	0.26316E-01	477103.0	3744508.0	454.0	3.49	4.00	3.25
YES								
L0001134	0	0.26316E-01	477103.0	3744499.4	454.0	3.49	4.00	3.25
YES								
L0001135	0	0.16667E+00	477047.6	3744569.3	454.7	3.49	4.00	3.25
YES								
L0001136	0	0.16667E+00	477056.2	3744569.3	454.5	3.49	4.00	3.25
YES								
L0001137	0	0.16667E+00	477064.8	3744569.3	454.2	3.49	4.00	3.25
YES								
L0001138	0	0.16667E+00	477073.4	3744569.3	454.0	3.49	4.00	3.25
YES								
L0001139	0	0.16667E+00	477082.0	3744569.3	454.0	3.49	4.00	3.25
YES								
L0001140	0	0.16667E+00	477090.5	3744569.3	454.0	3.49	4.00	3.25
YES								
L0001141	0	0.14286E-01	477104.5	3744825.7	454.0	3.49	4.00	3.25
YES								
L0001142	0	0.14286E-01	477110.8	3744830.5	453.9	3.49	4.00	3.25
YES								
L0001143	0	0.14286E-01	477119.4	3744830.5	453.9	3.49	4.00	3.25
YES								
L0001144	0	0.14286E-01	477128.0	3744830.4	453.9	3.49	4.00	3.25
YES								
L0001145	0	0.14286E-01	477136.6	3744830.3	453.7	3.49	4.00	3.25
YES								
L0001146	0	0.14286E-01	477145.2	3744830.2	453.4	3.49	4.00	3.25
YES								













L0001273 YES	0	0.33333E-02	477047.7	3744281.9	455.8	3.49	4.00	3.25
L0001274 YES	0	0.33333E-02	477048.0	3744273.4	455.8	3.49	4.00	3.25
L0001275 YES	0	0.33333E-02	477048.3	3744264.8	455.9	3.49	4.00	3.25
L0001276 YES	0	0.33333E-02	477048.6	3744256.2	456.0	3.49	4.00	3.25
L0001277 YES	0	0.33333E-02	477048.9	3744247.6	456.0	3.49	4.00	3.25
L0001278 YES	0	0.33333E-02	477049.2	3744239.0	456.0	3.49	4.00	3.25
L0001279 YES	0	0.33333E-02	477049.5	3744230.4	456.0	3.49	4.00	3.25
L0001280 YES	0	0.33333E-02	477049.8	3744221.8	456.0	3.49	4.00	3.25
L0001281 YES	0	0.33333E-02	477050.1	3744213.3	456.0	3.49	4.00	3.25
L0001282 YES	0	0.33333E-02	477050.5	3744204.7	456.0	3.49	4.00	3.25
L0001283 YES	0	0.33333E-02	477050.8	3744196.1	456.0	3.49	4.00	3.25
L0001284 YES	0	0.33333E-02	477051.1	3744187.5	456.0	3.49	4.00	3.25
L0001285 YES	0	0.33333E-02	477051.5	3744178.9	456.0	3.49	4.00	3.25
L0001286 YES	0	0.33333E-02	477051.9	3744170.4	456.0	3.49	4.00	3.25
L0001287 YES	0	0.33333E-02	477052.3	3744161.8	456.0	3.49	4.00	3.25
L0001288 YES	0	0.33333E-02	477052.7	3744153.2	456.0	3.49	4.00	3.25
L0001289 YES	0	0.33333E-02	477053.1	3744144.6	456.0	3.49	4.00	3.25
L0001290 YES	0	0.33333E-02	477053.9	3744136.1	456.0	3.49	4.00	3.25
L0001291 YES	0	0.33333E-02	477055.0	3744127.5	456.0	3.49	4.00	3.25
L0001292 YES	0	0.33333E-02	477056.0	3744119.0	456.0	3.49	4.00	3.25
L0001293 YES	0	0.33333E-02	477057.3	3744110.5	456.0	3.49	4.00	3.25
L0001294 YES	0	0.33333E-02	477058.8	3744102.1	456.1	3.49	4.00	3.25
L0001295 YES	0	0.33333E-02	477060.2	3744093.6	456.1	3.49	4.00	3.25
L0001296 YES	0	0.33333E-02	477061.7	3744085.1	456.2	3.49	4.00	3.25
L0001297 YES	0	0.33333E-02	477063.3	3744076.7	456.2	3.49	4.00	3.25
L0001298 YES	0	0.33333E-02	477065.3	3744068.3	456.2	3.49	4.00	3.25
L0001299 YES	0	0.33333E-02	477067.2	3744060.0	456.1	3.49	4.00	3.25
L0001300 YES	0	0.33333E-02	477069.2	3744051.6	456.0	3.49	4.00	3.25
L0001301 YES	0	0.33333E-02	477071.1	3744043.2	456.1	3.49	4.00	3.25
L0001302 YES	0	0.33333E-02	477073.1	3744034.9	456.3	3.49	4.00	3.25
L0001303 YES	0	0.33333E-02	477075.1	3744026.5	456.5	3.49	4.00	3.25
L0001304 YES	0	0.33333E-02	477077.9	3744018.4	456.7	3.49	4.00	3.25
L0001305 YES	0	0.33333E-02	477080.6	3744010.2	456.6	3.49	4.00	3.25



L0001329	0	0.33333E-02	477147.1	3743815.2	457.0	3.49	4.00	3.25
YES								
L0001330	0	0.33333E-02	477150.0	3743807.1	457.0	3.49	4.00	3.25
YES								
L0001331	0	0.33333E-02	477153.0	3743799.0	457.0	3.49	4.00	3.25
YES								
L0001332	0	0.33333E-02	477155.9	3743790.9	457.0	3.49	4.00	3.25
YES								
L0001333	0	0.33333E-02	477158.8	3743782.8	457.0	3.49	4.00	3.25
YES								
L0001334	0	0.33333E-02	477161.7	3743774.7	457.0	3.49	4.00	3.25
YES								
L0001335	0	0.33333E-02	477164.6	3743766.6	457.0	3.49	4.00	3.25
YES								
L0001336	0	0.33333E-02	477167.5	3743758.6	457.0	3.49	4.00	3.25
YES								
L0001337	0	0.33333E-02	477170.4	3743750.5	457.0	3.49	4.00	3.25
YES								
L0001338	0	0.33333E-02	477173.3	3743742.4	457.0	3.49	4.00	3.25
YES								
L0001339	0	0.33333E-02	477176.2	3743734.3	457.0	3.49	4.00	3.25
YES								
L0001340	0	0.33333E-02	477179.1	3743726.2	457.0	3.49	4.00	3.25
YES								
L0001341	0	0.33333E-02	477182.0	3743718.1	457.0	3.49	4.00	3.25
YES								
L0001342	0	0.33333E-02	477184.9	3743710.0	457.0	3.49	4.00	3.25
YES								
L0001343	0	0.33333E-02	477187.8	3743702.0	457.0	3.49	4.00	3.25
YES								
L0001344	0	0.33333E-02	477190.7	3743693.9	457.0	3.49	4.00	3.25
YES								
L0001345	0	0.33333E-02	477193.6	3743685.8	457.0	3.49	4.00	3.25
YES								
L0001346	0	0.33333E-02	477196.5	3743677.7	457.0	3.49	4.00	3.25
YES								

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***              06/14/22
*** AERMET - VERSION 16216 ***
***                                                                    ***      13:37:49

```

PAGE 11

\*\*\* 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.							

L0001347	0	0.33333E-02	477199.4	3743669.6	457.0	3.49	4.00	3.25
YES								
L0001348	0	0.33333E-02	477202.3	3743661.5	457.0	3.49	4.00	3.25
YES								
L0001349	0	0.33333E-02	477205.2	3743653.4	457.0	3.49	4.00	3.25
YES								
L0001350	0	0.33333E-02	477208.1	3743645.4	457.1	3.49	4.00	3.25
YES								
L0001351	0	0.33333E-02	477211.0	3743637.3	457.2	3.49	4.00	3.25
YES								

L0001352 YES	0	0.33333E-02	477213.9	3743629.2	457.2	3.49	4.00	3.25
L0001353 YES	0	0.33333E-02	477216.8	3743621.1	457.1	3.49	4.00	3.25
L0001354 YES	0	0.33333E-02	477219.7	3743613.0	457.0	3.49	4.00	3.25
L0001355 YES	0	0.33333E-02	477222.6	3743604.9	457.0	3.49	4.00	3.25
L0001356 YES	0	0.33333E-02	477225.5	3743596.9	457.0	3.49	4.00	3.25
L0001357 YES	0	0.33333E-02	477228.4	3743588.8	457.0	3.49	4.00	3.25
L0001358 YES	0	0.33333E-02	477231.3	3743580.7	457.0	3.49	4.00	3.25
L0001359 YES	0	0.33333E-02	477234.2	3743572.6	457.0	3.49	4.00	3.25
L0001360 YES	0	0.33333E-02	477237.1	3743564.5	457.0	3.49	4.00	3.25
L0001361 YES	0	0.33333E-02	477240.0	3743556.4	457.0	3.49	4.00	3.25
L0001362 YES	0	0.33333E-02	477243.0	3743548.4	457.0	3.49	4.00	3.25
L0001363 YES	0	0.33333E-02	477246.1	3743540.4	457.0	3.49	4.00	3.25
L0001364 YES	0	0.33333E-02	477249.2	3743532.3	457.0	3.49	4.00	3.25
L0001365 YES	0	0.33333E-02	477252.2	3743524.3	456.9	3.49	4.00	3.25
L0001366 YES	0	0.33333E-02	477255.3	3743516.3	456.9	3.49	4.00	3.25
L0001367 YES	0	0.33333E-02	477258.4	3743508.3	457.0	3.49	4.00	3.25
L0001368 YES	0	0.33333E-02	477261.5	3743500.3	457.0	3.49	4.00	3.25
L0001369 YES	0	0.33333E-02	477264.5	3743492.2	457.0	3.49	4.00	3.25
L0001370 YES	0	0.33333E-02	477267.6	3743484.2	457.0	3.49	4.00	3.25
L0001371 YES	0	0.33333E-02	477270.7	3743476.2	457.0	3.49	4.00	3.25
L0001372 YES	0	0.33333E-02	477273.8	3743468.2	457.0	3.49	4.00	3.25
L0001373 YES	0	0.33333E-02	477276.9	3743460.2	457.0	3.49	4.00	3.25
L0001374 YES	0	0.33333E-02	477279.9	3743452.1	457.0	3.49	4.00	3.25
L0001375 YES	0	0.33333E-02	477282.8	3743444.1	456.9	3.49	4.00	3.25
L0001376 YES	0	0.33333E-02	477285.7	3743436.0	456.8	3.49	4.00	3.25
L0001377 YES	0	0.33333E-02	477288.6	3743427.9	456.7	3.49	4.00	3.25
L0001378 YES	0	0.33333E-02	477291.4	3743419.8	456.6	3.49	4.00	3.25
L0001379 YES	0	0.33333E-02	477294.3	3743411.7	456.4	3.49	4.00	3.25
L0001380 YES	0	0.33333E-02	477297.2	3743403.6	456.2	3.49	4.00	3.25
L0001381 YES	0	0.33333E-02	477300.0	3743395.5	456.1	3.49	4.00	3.25
L0001382 YES	0	0.33333E-02	477302.9	3743387.4	456.0	3.49	4.00	3.25
L0001383 YES	0	0.33333E-02	477305.8	3743379.3	456.0	3.49	4.00	3.25
L0001384 YES	0	0.33333E-02	477308.6	3743371.2	456.0	3.49	4.00	3.25











L0001487	0	0.33333E-02	477861.3	3742706.4	448.0	3.49	4.00	3.25
YES								
L0001488	0	0.33333E-02	477863.4	3742698.1	448.0	3.49	4.00	3.25
YES								
L0001489	0	0.33333E-02	477864.4	3742689.6	448.0	3.49	4.00	3.25
YES								
L0001490	0	0.33333E-02	477865.4	3742681.0	448.0	3.49	4.00	3.25
YES								
L0001491	0	0.33333E-02	477866.4	3742672.5	448.0	3.49	4.00	3.25
YES								
L0001492	0	0.33333E-02	477867.4	3742664.0	448.0	3.49	4.00	3.25
YES								
L0001493	0	0.33333E-02	477868.5	3742655.4	448.0	3.49	4.00	3.25
YES								
L0001494	0	0.33333E-02	477869.5	3742646.9	448.0	3.49	4.00	3.25
YES								
L0001495	0	0.33333E-02	477869.4	3742638.3	448.0	3.49	4.00	3.25
YES								
L0001496	0	0.33333E-02	477869.3	3742629.7	448.0	3.49	4.00	3.25
YES								
L0001497	0	0.33333E-02	477869.2	3742621.1	448.0	3.49	4.00	3.25
YES								
L0001498	0	0.33333E-02	477869.0	3742612.5	448.0	3.49	4.00	3.25
YES								
L0001499	0	0.33333E-02	477868.9	3742604.0	448.0	3.49	4.00	3.25
YES								
L0001500	0	0.33333E-02	477868.8	3742595.4	448.0	3.49	4.00	3.25
YES								
L0001501	0	0.33333E-02	477868.7	3742586.8	448.0	3.49	4.00	3.25
YES								
L0001502	0	0.33333E-02	477868.5	3742578.2	448.0	3.49	4.00	3.25
YES								
L0001503	0	0.33333E-02	477868.4	3742569.6	448.1	3.49	4.00	3.25
YES								
L0001504	0	0.33333E-02	477861.7	3742567.8	448.2	3.49	4.00	3.25
YES								
L0001505	0	0.33333E-02	477853.1	3742568.0	448.2	3.49	4.00	3.25
YES								
L0001506	0	0.33333E-02	477844.5	3742568.2	448.4	3.49	4.00	3.25
YES								

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                  06/14/22
*** AERMET - VERSION 16216 ***
***                                                                           ***
                                                                                                                                               13:37:49
  
```

PAGE 15

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* VOLUME SOURCE DATA \*\*\*

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	PART.	(GRAMS/SEC)		X	ELEV.	HEIGHT	SY	SZ
ID	SCALAR	VARY			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.		BY					

L0001507	0	0.33333E-02	477835.9	3742568.4	448.6	3.49	4.00	3.25
YES								
L0001508	0	0.33333E-02	477827.4	3742568.7	448.8	3.49	4.00	3.25
YES								
L0001509	0	0.33333E-02	477818.8	3742568.9	449.0	3.49	4.00	3.25
YES								











```

L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,
L0001081 , L0001082 ,

L0001083 , L0001084 , L0001085 , L0001086 , L0001087 , L0001088 ,
L0001089 , L0001090 ,

IDLEW L0001027 , L0001028 , L0001029 , L0001030 , L0001031 , L0001032 ,
L0001033 , L0001034 ,

L0001035 , L0001036 , L0001037 , L0001038 , L0001039 , L0001040 ,
L0001041 , L0001042 ,

L0001043 , L0001044 , L0001045 , L0001046 , L0001047 , L0001048 ,
L0001049 , L0001050 ,

L0001051 , L0001052 , L0001053 , L0001054 , L0001055 , L0001056 ,
L0001057 , L0001058 ,

*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/14/22
*** AERMET - VERSION 16216 ***
*** *** 13:37:49

```

PAGE 19

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
LOAD	LOAD ,
NEV100	L0001240 , L0001241 , L0001242 , L0001243 , L0001244 , L0001245 ,
L0001246	, L0001247 ,
	L0001248 , L0001249 , L0001250 , L0001251 , L0001252 , L0001253 ,
	L0001254 , L0001255 ,
	L0001256 , L0001257 , L0001258 , L0001259 , L0001260 , L0001261 ,
	L0001262 , L0001263 ,
	L0001264 , L0001265 , L0001266 , L0001267 , L0001268 , L0001269 ,
	L0001270 , L0001271 ,
	L0001272 , L0001273 , L0001274 , L0001275 , L0001276 , L0001277 ,
	L0001278 , L0001279 ,
	L0001280 , L0001281 , L0001282 , L0001283 , L0001284 , L0001285 ,
	L0001286 , L0001287 ,
	L0001288 , L0001289 , L0001290 , L0001291 , L0001292 , L0001293 ,
	L0001294 , L0001295 ,
	L0001296 , L0001297 , L0001298 , L0001299 , L0001300 , L0001301 ,
	L0001302 , L0001303 ,
	L0001304 , L0001305 , L0001306 , L0001307 , L0001308 , L0001309 ,
	L0001310 , L0001311 ,
	L0001312 , L0001313 , L0001314 , L0001315 , L0001316 , L0001317 ,
	L0001318 , L0001319 ,
	L0001320 , L0001321 , L0001322 , L0001323 , L0001324 , L0001325 ,

```

L0001326 , L0001327 ,
L0001328 , L0001329 , L0001330 , L0001331 , L0001332 , L0001333 ,
L0001334 , L0001335 ,
L0001336 , L0001337 , L0001338 , L0001339 , L0001340 , L0001341 ,
L0001342 , L0001343 ,
L0001344 , L0001345 , L0001346 , L0001347 , L0001348 , L0001349 ,
L0001350 , L0001351 ,
L0001352 , L0001353 , L0001354 , L0001355 , L0001356 , L0001357 ,
L0001358 , L0001359 ,
L0001360 , L0001361 , L0001362 , L0001363 , L0001364 , L0001365 ,
L0001366 , L0001367 ,
L0001368 , L0001369 , L0001370 , L0001371 , L0001372 , L0001373 ,
L0001374 , L0001375 ,
L0001376 , L0001377 , L0001378 , L0001379 , L0001380 , L0001381 ,
L0001382 , L0001383 ,
L0001384 , L0001385 , L0001386 , L0001387 , L0001388 , L0001389 ,
L0001390 , L0001391 ,

```

```

*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/14/22
*** AERMET - VERSION 16216 ***
*** *** 13:37:49

```

PAGE 20

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID

SOURCE IDs

```

-----
L0001392 , L0001393 , L0001394 , L0001395 , L0001396 , L0001397 ,
L0001398 , L0001399 ,
L0001400 , L0001401 , L0001402 , L0001403 , L0001404 , L0001405 ,
L0001406 , L0001407 ,
L0001408 , L0001409 , L0001410 , L0001411 , L0001412 , L0001413 ,
L0001414 , L0001415 ,
L0001416 , L0001417 , L0001418 , L0001419 , L0001420 , L0001421 ,
L0001422 , L0001423 ,
L0001424 , L0001425 , L0001426 , L0001427 , L0001428 , L0001429 ,
L0001430 , L0001431 ,
L0001432 , L0001433 , L0001434 , L0001435 , L0001436 , L0001437 ,
L0001438 , L0001439 ,
L0001440 , L0001441 , L0001442 , L0001443 , L0001444 , L0001445 ,
L0001446 , L0001447 ,
L0001448 , L0001449 , L0001450 , L0001451 , L0001452 , L0001453 ,
L0001454 , L0001455 ,
L0001456 , L0001457 , L0001458 , L0001459 , L0001460 , L0001461 ,
L0001462 , L0001463 ,

```

```

L0001464 , L0001465 , L0001466 , L0001467 , L0001468 , L0001469 ,
L0001470 , L0001471 ,

L0001472 , L0001473 , L0001474 , L0001475 , L0001476 , L0001477 ,
L0001478 , L0001479 ,

L0001480 , L0001481 , L0001482 , L0001483 , L0001484 , L0001485 ,
L0001486 , L0001487 ,

L0001488 , L0001489 , L0001490 , L0001491 , L0001492 , L0001493 ,
L0001494 , L0001495 ,

L0001496 , L0001497 , L0001498 , L0001499 , L0001500 , L0001501 ,
L0001502 , L0001503 ,

L0001504 , L0001505 , L0001506 , L0001507 , L0001508 , L0001509 ,
L0001510 , L0001511 ,

L0001512 , L0001513 , L0001514 , L0001515 , L0001516 , L0001517 ,
L0001518 , L0001519 ,

L0001520 , L0001521 , L0001522 , L0001523 , L0001524 , L0001525 ,
L0001526 , L0001527 ,

L0001528 , L0001529 , L0001530 , L0001531 , L0001532 , L0001533 ,
L0001534 , L0001535 ,

L0001536 , L0001537 , L0001538 , L0001539 ,

```

```

NEV50 L0001211 , L0001212 , L0001213 , L0001214 , L0001215 , L0001216 ,
L0001217 , L0001218 ,
*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/14/22
*** AERMET - VERSION 16216 ***
*** *** 13:37:49

```

PAGE 21

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0001219	, L0001220	, L0001221	, L0001222	, L0001223	, L0001224	,
L0001225	, L0001226	,				
L0001227	, L0001228	, L0001229	, L0001230	, L0001231	, L0001232	,
L0001233	, L0001234	,				
L0001235	, L0001236	, L0001237	, L0001238	, L0001239	,	
OFFRET L0001714	, L0001715	, L0001716	, L0001717	, L0001718	,	
ONE L0001141	, L0001142	, L0001143	, L0001144	, L0001145	, L0001146	,
L0001147 , L0001148	,					
L0001149	, L0001150	, L0001151	, L0001152	, L0001153	, L0001154	,
L0001155	, L0001156	,				
L0001157	, L0001158	, L0001159	, L0001160	, L0001161	, L0001162	,
L0001163	, L0001164	,				

```

L0001165 , L0001166 , L0001167 , L0001168 , L0001169 , L0001170 ,
L0001171 , L0001172 ,

L0001173 , L0001174 , L0001175 , L0001176 , L0001177 , L0001178 ,
L0001179 , L0001180 ,

L0001181 , L0001182 , L0001183 , L0001184 , L0001185 , L0001186 ,
L0001187 , L0001188 ,

L0001189 , L0001190 , L0001191 , L0001192 , L0001193 , L0001194 ,
L0001195 , L0001196 ,

L0001197 , L0001198 , L0001199 , L0001200 , L0001201 , L0001202 ,
L0001203 , L0001204 ,

L0001205 , L0001206 , L0001207 , L0001208 , L0001209 , L0001210 ,

ONRET L0001632 , L0001633 , L0001634 , L0001635 , L0001636 , L0001637 ,
L0001638 , L0001639 ,

L0001640 , L0001641 , L0001642 , L0001643 , L0001644 , L0001645 ,
L0001646 , L0001647 ,

L0001648 , L0001649 , L0001650 , L0001651 , L0001652 , L0001653 ,
L0001654 , L0001655 ,

L0001656 , L0001657 , L0001658 , L0001659 , L0001660 , L0001661 ,
L0001662 , L0001663 ,

L0001664 , L0001665 , L0001666 , L0001667 , L0001668 , L0001669 ,
L0001670 , L0001671 ,

L0001672 ,

ONW L0001097 , L0001098 , L0001099 , L0001100 , L0001101 , L0001102 ,
L0001103 , L0001104 ,

```

```

*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/14/22
*** AERMET - VERSION 16216 ***
*** *** 13:37:49

```

PAGE 22

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs
-----	-----
L0001105	L0001106 , L0001107 , L0001108 , L0001109 , L0001110 ,
L0001111	L0001112 ,
L0001113	L0001114 , L0001115 , L0001116 , L0001117 , L0001118 ,
L0001119	L0001120 ,
L0001121	L0001122 , L0001123 , L0001124 , L0001125 , L0001126 ,
L0001127	L0001128 ,
L0001129	L0001130 , L0001131 , L0001132 , L0001133 , L0001134 ,
REF1	REF1 ,
REF2	REF2 ,

```

SPILL1      SPILL1      ,
SPILL2      SPILL2      ,
TLB         TLB         ,
ALL         L0001027    , L0001028    , L0001029    , L0001030    , L0001031    , L0001032    ,
L0001033    , L0001034    ,
           L0001035    , L0001036    , L0001037    , L0001038    , L0001039    , L0001040    ,
           L0001041    , L0001042    ,
           L0001043    , L0001044    , L0001045    , L0001046    , L0001047    , L0001048    ,
           L0001049    , L0001050    ,
           L0001051    , L0001052    , L0001053    , L0001054    , L0001055    , L0001056    ,
           L0001057    , L0001058    ,
           L0001059    , L0001060    , L0001061    , L0001062    , L0001063    , L0001064    ,
           L0001065    , L0001066    ,
           L0001067    , L0001068    , L0001069    , L0001070    , L0001071    , L0001072    ,
           L0001073    , L0001074    ,
           L0001075    , L0001076    , L0001077    , L0001078    , L0001079    , L0001080    ,
           L0001081    , L0001082    ,
           L0001083    , L0001084    , L0001085    , L0001086    , L0001087    , L0001088    ,
           L0001089    , L0001090    ,
           L0001091    , L0001092    , L0001093    , L0001094    , L0001095    , L0001096    ,
           L0001097    , L0001098    ,
           L0001099    , L0001100    , L0001101    , L0001102    , L0001103    , L0001104    ,
           L0001105    , L0001106    ,
           L0001107    , L0001108    , L0001109    , L0001110    , L0001111    , L0001112    ,
           L0001113    , L0001114    ,

```

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAS\13998 RGCC\13998
Ops\13998 Ops. ***      06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***      13:37:49

```

PAGE 23

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID	SOURCE IDs					
-----	-----					
L0001115	, L0001116	, L0001117	, L0001118	, L0001119	, L0001120	,
L0001121	, L0001122	,				
L0001123	, L0001124	, L0001125	, L0001126	, L0001127	, L0001128	,
L0001129	, L0001130	,				
L0001131	, L0001132	, L0001133	, L0001134	, L0001135	, L0001136	,
L0001137	, L0001138	,				
L0001139	, L0001140	, L0001141	, L0001142	, L0001143	, L0001144	,
L0001145	, L0001146	,				
L0001147	, L0001148	, L0001149	, L0001150	, L0001151	, L0001152	,

```

L0001153 , L0001154 ,
L0001155 , L0001156 , L0001157 , L0001158 , L0001159 , L0001160 ,
L0001161 , L0001162 ,
L0001163 , L0001164 , L0001165 , L0001166 , L0001167 , L0001168 ,
L0001169 , L0001170 ,
L0001171 , L0001172 , L0001173 , L0001174 , L0001175 , L0001176 ,
L0001177 , L0001178 ,
L0001179 , L0001180 , L0001181 , L0001182 , L0001183 , L0001184 ,
L0001185 , L0001186 ,
L0001187 , L0001188 , L0001189 , L0001190 , L0001191 , L0001192 ,
L0001193 , L0001194 ,
L0001195 , L0001196 , L0001197 , L0001198 , L0001199 , L0001200 ,
L0001201 , L0001202 ,
L0001203 , L0001204 , L0001205 , L0001206 , L0001207 , L0001208 ,
L0001209 , L0001210 ,
L0001211 , L0001212 , L0001213 , L0001214 , L0001215 , L0001216 ,
L0001217 , L0001218 ,
L0001219 , L0001220 , L0001221 , L0001222 , L0001223 , L0001224 ,
L0001225 , L0001226 ,
L0001227 , L0001228 , L0001229 , L0001230 , L0001231 , L0001232 ,
L0001233 , L0001234 ,
L0001235 , L0001236 , L0001237 , L0001238 , L0001239 , L0001240 ,
L0001241 , L0001242 ,
L0001243 , L0001244 , L0001245 , L0001246 , L0001247 , L0001248 ,
L0001249 , L0001250 ,
L0001251 , L0001252 , L0001253 , L0001254 , L0001255 , L0001256 ,
L0001257 , L0001258 ,
L0001259 , L0001260 , L0001261 , L0001262 , L0001263 , L0001264 ,
L0001265 , L0001266 ,
L0001267 , L0001268 , L0001269 , L0001270 , L0001271 , L0001272 ,
L0001273 , L0001274 ,

```

```

*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/14/22
*** AERMET - VERSION 16216 ***
*** *** 13:37:49

```

PAGE 24

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
-----

SOURCE IDs  
-----

```

L0001275 , L0001276 , L0001277 , L0001278 , L0001279 , L0001280 ,
L0001281 , L0001282 ,
L0001283 , L0001284 , L0001285 , L0001286 , L0001287 , L0001288 ,
L0001289 , L0001290 ,

```

```

L0001291 , L0001292 , L0001293 , L0001294 , L0001295 , L0001296 ,
L0001297 , L0001298 ,

L0001299 , L0001300 , L0001301 , L0001302 , L0001303 , L0001304 ,
L0001305 , L0001306 ,

L0001307 , L0001308 , L0001309 , L0001310 , L0001311 , L0001312 ,
L0001313 , L0001314 ,

L0001315 , L0001316 , L0001317 , L0001318 , L0001319 , L0001320 ,
L0001321 , L0001322 ,

L0001323 , L0001324 , L0001325 , L0001326 , L0001327 , L0001328 ,
L0001329 , L0001330 ,

L0001331 , L0001332 , L0001333 , L0001334 , L0001335 , L0001336 ,
L0001337 , L0001338 ,

L0001339 , L0001340 , L0001341 , L0001342 , L0001343 , L0001344 ,
L0001345 , L0001346 ,

L0001347 , L0001348 , L0001349 , L0001350 , L0001351 , L0001352 ,
L0001353 , L0001354 ,

L0001355 , L0001356 , L0001357 , L0001358 , L0001359 , L0001360 ,
L0001361 , L0001362 ,

L0001363 , L0001364 , L0001365 , L0001366 , L0001367 , L0001368 ,
L0001369 , L0001370 ,

L0001371 , L0001372 , L0001373 , L0001374 , L0001375 , L0001376 ,
L0001377 , L0001378 ,

L0001379 , L0001380 , L0001381 , L0001382 , L0001383 , L0001384 ,
L0001385 , L0001386 ,

L0001387 , L0001388 , L0001389 , L0001390 , L0001391 , L0001392 ,
L0001393 , L0001394 ,

L0001395 , L0001396 , L0001397 , L0001398 , L0001399 , L0001400 ,
L0001401 , L0001402 ,

L0001403 , L0001404 , L0001405 , L0001406 , L0001407 , L0001408 ,
L0001409 , L0001410 ,

L0001411 , L0001412 , L0001413 , L0001414 , L0001415 , L0001416 ,
L0001417 , L0001418 ,

L0001419 , L0001420 , L0001421 , L0001422 , L0001423 , L0001424 ,
L0001425 , L0001426 ,

L0001427 , L0001428 , L0001429 , L0001430 , L0001431 , L0001432 ,
L0001433 , L0001434 ,

```

```

*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/14/22
*** AERMET - VERSION 16216 ***
*** *** 13:37:49

```

PAGE 25

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID

SOURCE IDs



```

L0001435 , L0001436 , L0001437 , L0001438 , L0001439 , L0001440 ,
L0001441 , L0001442 ,

L0001443 , L0001444 , L0001445 , L0001446 , L0001447 , L0001448 ,
L0001449 , L0001450 ,

L0001451 , L0001452 , L0001453 , L0001454 , L0001455 , L0001456 ,
L0001457 , L0001458 ,

L0001459 , L0001460 , L0001461 , L0001462 , L0001463 , L0001464 ,
L0001465 , L0001466 ,

L0001467 , L0001468 , L0001469 , L0001470 , L0001471 , L0001472 ,
L0001473 , L0001474 ,

L0001475 , L0001476 , L0001477 , L0001478 , L0001479 , L0001480 ,
L0001481 , L0001482 ,

L0001483 , L0001484 , L0001485 , L0001486 , L0001487 , L0001488 ,
L0001489 , L0001490 ,

L0001491 , L0001492 , L0001493 , L0001494 , L0001495 , L0001496 ,
L0001497 , L0001498 ,

L0001499 , L0001500 , L0001501 , L0001502 , L0001503 , L0001504 ,
L0001505 , L0001506 ,

L0001507 , L0001508 , L0001509 , L0001510 , L0001511 , L0001512 ,
L0001513 , L0001514 ,

L0001515 , L0001516 , L0001517 , L0001518 , L0001519 , L0001520 ,
L0001521 , L0001522 ,

L0001523 , L0001524 , L0001525 , L0001526 , L0001527 , L0001528 ,
L0001529 , L0001530 ,

L0001531 , L0001532 , L0001533 , L0001534 , L0001535 , L0001536 ,
L0001537 , L0001538 ,

L0001539 , REF2 , SPILL2 , REF1 , SPILL1 , LOAD ,
BREATHE , L0001632 ,

L0001633 , L0001634 , L0001635 , L0001636 , L0001637 , L0001638 ,
L0001639 , L0001640 ,

L0001641 , L0001642 , L0001643 , L0001644 , L0001645 , L0001646 ,
L0001647 , L0001648 ,

L0001649 , L0001650 , L0001651 , L0001652 , L0001653 , L0001654 ,
L0001655 , L0001656 ,

L0001657 , L0001658 , L0001659 , L0001660 , L0001661 , L0001662 ,
L0001663 , L0001664 ,

L0001665 , L0001666 , L0001667 , L0001668 , L0001669 , L0001670 ,
L0001671 , L0001672 ,

BLDG1 , BLDG2 , BLDG3 , BLDG4 , BLDG5 , BLDG6 ,
BLDG7 , BLDG8 ,

```

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINING SOURCE GROUPS \*\*\*

SRCGROUP ID  
-----

SOURCE IDs  
-----

GASIDLE , L0001714 , L0001715 , L0001716 , L0001717 , L0001718 ,  
TLB ,

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID  
-----

URBAN POP  
-----

SOURCE IDs  
-----

L0001034 , 2189641. L0001027 , L0001028 , L0001029 , L0001030 , L0001031 ,  
L0001032 , L0001033 ,  
L0001035 , L0001036 , L0001037 , L0001038 , L0001039 , L0001040 ,  
L0001041 , L0001042 ,  
L0001043 , L0001044 , L0001045 , L0001046 , L0001047 , L0001048 ,  
L0001049 , L0001050 ,  
L0001051 , L0001052 , L0001053 , L0001054 , L0001055 , L0001056 ,  
L0001057 , L0001058 ,  
L0001059 , L0001060 , L0001061 , L0001062 , L0001063 , L0001064 ,  
L0001065 , L0001066 ,  
L0001067 , L0001068 , L0001069 , L0001070 , L0001071 , L0001072 ,  
L0001073 , L0001074 ,  
L0001075 , L0001076 , L0001077 , L0001078 , L0001079 , L0001080 ,  
L0001081 , L0001082 ,  
L0001083 , L0001084 , L0001085 , L0001086 , L0001087 , L0001088 ,  
L0001089 , L0001090 ,  
L0001091 , L0001092 , L0001093 , L0001094 , L0001095 , L0001096 ,  
L0001097 , L0001098 ,  
L0001099 , L0001100 , L0001101 , L0001102 , L0001103 , L0001104 ,  
L0001105 , L0001106 ,  
L0001107 , L0001108 , L0001109 , L0001110 , L0001111 , L0001112 ,  
L0001113 , L0001114 ,  
L0001115 , L0001116 , L0001117 , L0001118 , L0001119 , L0001120 ,  
L0001121 , L0001122 ,  
L0001123 , L0001124 , L0001125 , L0001126 , L0001127 , L0001128 ,

L0001129 , L0001130 ,  
 L0001131 , L0001132 , L0001133 , L0001134 , L0001135 , L0001136 ,  
 L0001137 , L0001138 ,  
 L0001139 , L0001140 , L0001141 , L0001142 , L0001143 , L0001144 ,  
 L0001145 , L0001146 ,  
 L0001147 , L0001148 , L0001149 , L0001150 , L0001151 , L0001152 ,  
 L0001153 , L0001154 ,  
 L0001155 , L0001156 , L0001157 , L0001158 , L0001159 , L0001160 ,  
 L0001161 , L0001162 ,  
 L0001163 , L0001164 , L0001165 , L0001166 , L0001167 , L0001168 ,  
 L0001169 , L0001170 ,  
 L0001171 , L0001172 , L0001173 , L0001174 , L0001175 , L0001176 ,  
 L0001177 , L0001178 ,  
 L0001179 , L0001180 , L0001181 , L0001182 , L0001183 , L0001184 ,  
 L0001185 , L0001186 ,

**RA** \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* \*\*\* 13:37:49

PAGE 28

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0001187	L0001188	L0001189	L0001190	L0001191	L0001192		
L0001193	L0001194						
L0001195	L0001196	L0001197	L0001198	L0001199	L0001200		
L0001201	L0001202						
L0001203	L0001204	L0001205	L0001206	L0001207	L0001208		
L0001209	L0001210						
L0001211	L0001212	L0001213	L0001214	L0001215	L0001216		
L0001217	L0001218						
L0001219	L0001220	L0001221	L0001222	L0001223	L0001224		
L0001225	L0001226						
L0001227	L0001228	L0001229	L0001230	L0001231	L0001232		
L0001233	L0001234						
L0001235	L0001236	L0001237	L0001238	L0001239	L0001240		
L0001241	L0001242						
L0001243	L0001244	L0001245	L0001246	L0001247	L0001248		
L0001249	L0001250						
L0001251	L0001252	L0001253	L0001254	L0001255	L0001256		
L0001257	L0001258						
L0001259	L0001260	L0001261	L0001262	L0001263	L0001264		
L0001265	L0001266						

```

L0001267 , L0001268 , L0001269 , L0001270 , L0001271 , L0001272 ,
L0001273 , L0001274 ,

L0001275 , L0001276 , L0001277 , L0001278 , L0001279 , L0001280 ,
L0001281 , L0001282 ,

L0001283 , L0001284 , L0001285 , L0001286 , L0001287 , L0001288 ,
L0001289 , L0001290 ,

L0001291 , L0001292 , L0001293 , L0001294 , L0001295 , L0001296 ,
L0001297 , L0001298 ,

L0001299 , L0001300 , L0001301 , L0001302 , L0001303 , L0001304 ,
L0001305 , L0001306 ,

L0001307 , L0001308 , L0001309 , L0001310 , L0001311 , L0001312 ,
L0001313 , L0001314 ,

L0001315 , L0001316 , L0001317 , L0001318 , L0001319 , L0001320 ,
L0001321 , L0001322 ,

L0001323 , L0001324 , L0001325 , L0001326 , L0001327 , L0001328 ,
L0001329 , L0001330 ,

L0001331 , L0001332 , L0001333 , L0001334 , L0001335 , L0001336 ,
L0001337 , L0001338 ,

L0001339 , L0001340 , L0001341 , L0001342 , L0001343 , L0001344 ,
L0001345 , L0001346

```

```

*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/14/22
*** AERMET - VERSION 16216 ***
*** *** 13:37:49

```

PAGE 29

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----	-----	-----	-----	-----	-----
L0001347	L0001348	L0001349	L0001350	L0001351	L0001352		
L0001353	L0001354						
L0001355	L0001356	L0001357	L0001358	L0001359	L0001360		
L0001361	L0001362						
L0001363	L0001364	L0001365	L0001366	L0001367	L0001368		
L0001369	L0001370						
L0001371	L0001372	L0001373	L0001374	L0001375	L0001376		
L0001377	L0001378						
L0001379	L0001380	L0001381	L0001382	L0001383	L0001384		
L0001385	L0001386						
L0001387	L0001388	L0001389	L0001390	L0001391	L0001392		
L0001393	L0001394						
L0001395	L0001396	L0001397	L0001398	L0001399	L0001400		
L0001401	L0001402						

```

L0001403 , L0001404 , L0001405 , L0001406 , L0001407 , L0001408 ,
L0001409 , L0001410 ,

L0001411 , L0001412 , L0001413 , L0001414 , L0001415 , L0001416 ,
L0001417 , L0001418 ,

L0001419 , L0001420 , L0001421 , L0001422 , L0001423 , L0001424 ,
L0001425 , L0001426 ,

L0001427 , L0001428 , L0001429 , L0001430 , L0001431 , L0001432 ,
L0001433 , L0001434 ,

L0001435 , L0001436 , L0001437 , L0001438 , L0001439 , L0001440 ,
L0001441 , L0001442 ,

L0001443 , L0001444 , L0001445 , L0001446 , L0001447 , L0001448 ,
L0001449 , L0001450 ,

L0001451 , L0001452 , L0001453 , L0001454 , L0001455 , L0001456 ,
L0001457 , L0001458 ,

L0001459 , L0001460 , L0001461 , L0001462 , L0001463 , L0001464 ,
L0001465 , L0001466 ,

L0001467 , L0001468 , L0001469 , L0001470 , L0001471 , L0001472 ,
L0001473 , L0001474 ,

L0001475 , L0001476 , L0001477 , L0001478 , L0001479 , L0001480 ,
L0001481 , L0001482 ,

L0001483 , L0001484 , L0001485 , L0001486 , L0001487 , L0001488 ,
L0001489 , L0001490 ,

L0001491 , L0001492 , L0001493 , L0001494 , L0001495 , L0001496 ,
L0001497 , L0001498 ,

L0001499 , L0001500 , L0001501 , L0001502 , L0001503 , L0001504 ,
L0001505 , L0001506 ,

```

```

*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/14/22
*** AERMET - VERSION 16216 ***
*** 13:37:49

```

PAGE 30

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* SOURCE IDs DEFINED AS URBAN SOURCES \*\*\*

URBAN ID	URBAN POP	SOURCE IDs					
-----	-----	-----					
L0001507	L0001508	L0001509	L0001510	L0001511	L0001512		
L0001513	L0001514						
L0001515	L0001516	L0001517	L0001518	L0001519	L0001520		
L0001521	L0001522						
L0001523	L0001524	L0001525	L0001526	L0001527	L0001528		
L0001529	L0001530						
L0001531	L0001532	L0001533	L0001534	L0001535	L0001536		
L0001537	L0001538						
L0001539	REF2	SPILL2	REF1	SPILL1	LOAD		

```

BREATHE      , L0001632      ,
L0001633    , L0001634    , L0001635    , L0001636    , L0001637    , L0001638    ,
L0001639    , L0001640    ,
L0001641    , L0001642    , L0001643    , L0001644    , L0001645    , L0001646    ,
L0001647    , L0001648    ,
L0001649    , L0001650    , L0001651    , L0001652    , L0001653    , L0001654    ,
L0001655    , L0001656    ,
L0001657    , L0001658    , L0001659    , L0001660    , L0001661    , L0001662    ,
L0001663    , L0001664    ,
L0001665    , L0001666    , L0001667    , L0001668    , L0001669    , L0001670    ,
L0001671    , L0001672    ,
BLDG1       , BLDG2       , BLDG3       , BLDG4       , BLDG5       , BLDG6       ,
BLDG7       , BLDG8       ,
GASIDLE     , L0001714    , L0001715    , L0001716    , L0001717    , L0001718    ,
TLB         ,

```

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                  06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                  13:37:49

```

PAGE 31

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* DISCRETE CARTESIAN RECEPTORS \*\*\*  
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)  
(METERS)

```

( 477060.1, 3744372.5, 455.0, 455.0, 0.0); ( 477075.0, 3744372.3,
455.0, 455.0, 0.0);
( 477081.0, 3744372.7, 455.0, 455.0, 0.0); ( 477107.9, 3744373.8,
454.8, 454.8, 0.0);
( 477124.1, 3744367.5, 454.4, 454.4, 0.0); ( 477136.5, 3744374.2,
454.1, 454.1, 0.0);
( 477195.5, 3744375.4, 454.0, 454.0, 0.0); ( 477060.9, 3744356.0,
455.0, 455.0, 0.0);
( 477207.6, 3744375.0, 454.0, 454.0, 0.0); ( 477381.0, 3744305.4,
453.2, 453.2, 0.0);
( 477118.5, 3744296.7, 455.0, 455.0, 0.0); ( 477490.5, 3744455.4,
452.0, 452.0, 0.0);
( 477668.6, 3744413.7, 451.0, 451.0, 0.0); ( 476881.0, 3744148.0,
457.0, 457.0, 0.0);
( 477111.9, 3745113.3, 453.6, 453.6, 0.0); ( 477349.5, 3745114.0,
451.0, 451.0, 0.0);
( 477515.7, 3745009.8, 450.0, 450.0, 0.0); ( 477454.2, 3745035.5,
450.2, 450.2, 0.0);
( 477015.7, 3745168.6, 454.0, 454.0, 0.0); ( 476433.5, 3744998.9,
460.2, 460.2, 0.0);
( 477469.1, 3745076.9, 450.0, 450.0, 0.0); ( 477469.4, 3745103.9,
450.0, 450.0, 0.0);
( 477470.5, 3745126.8, 450.0, 450.0, 0.0); ( 477594.7, 3745070.2,
449.5, 449.5, 0.0);
( 477649.5, 3744561.0, 450.0, 450.0, 0.0); ( 477647.5, 3744591.6,
450.0, 450.0, 0.0);
( 477648.6, 3744619.8, 450.0, 450.0, 0.0); ( 477647.8, 3744648.2,
450.0, 450.0, 0.0);
( 477146.8, 3744132.2, 456.0, 456.0, 0.0); ( 477147.9, 3744066.6,
456.0, 456.0, 0.0);
( 477147.3, 3744041.9, 456.0, 456.0, 0.0); ( 476686.0, 3744469.9,
458.8, 458.8, 0.0);

```







10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30
99.	9.1	277.0		5.5											
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90
319.	9.1	278.8		5.5											
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90
239.	9.1	284.2		5.5											
10	01	01	1	10	56.7	0.087	0.560	0.010	107.	62.	-1.0	0.19	0.61	0.26	0.40
188.	9.1	289.2		5.5											
10	01	01	1	11	81.5	0.323	0.867	0.008	277.	441.	-35.9	0.19	0.61	0.23	2.70
310.	9.1	290.9		5.5											
10	01	01	1	12	97.1	0.281	1.058	0.008	421.	357.	-19.7	0.19	0.61	0.22	2.20
357.	9.1	293.1		5.5											
10	01	01	1	13	92.2	0.279	1.117	0.008	523.	354.	-20.4	0.19	0.61	0.22	2.20
356.	9.1	293.8		5.5											
10	01	01	1	14	77.6	0.275	1.102	0.008	595.	347.	-23.2	0.19	0.61	0.23	2.20
50.	9.1	294.2		5.5											
10	01	01	1	15	54.9	0.230	1.006	0.008	640.	266.	-19.2	0.19	0.61	0.27	1.80
53.	9.1	293.8		5.5											
10	01	01	1	16	12.3	0.206	0.613	0.008	648.	225.	-61.5	0.19	0.61	0.36	1.80
11.	9.1	292.5		5.5											
10	01	01	1	17	-3.6	0.087	-9.000	-9.000	-999.	71.	15.6	0.19	0.61	0.64	0.90
351.	9.1	290.4		5.5											
10	01	01	1	18	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90
186.	9.1	287.5		5.5											
10	01	01	1	19	-3.8	0.087	-9.000	-9.000	-999.	62.	15.2	0.19	0.61	1.00	0.90
275.	9.1	285.9		5.5											
10	01	01	1	20	-1.2	0.064	-9.000	-9.000	-999.	39.	18.1	0.19	0.61	1.00	0.40
181.	9.1	285.4		5.5											
10	01	01	1	21	-7.8	0.125	-9.000	-9.000	-999.	106.	21.3	0.19	0.61	1.00	1.30
318.	9.1	284.9		5.5											
10	01	01	1	22	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
196.	9.1	283.1		5.5											
10	01	01	1	23	-3.8	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90
330.	9.1	281.4		5.5											
10	01	01	1	24	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30
332.	9.1	280.9		5.5											

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
10	01	01	01	5.5	0	-999.	-99.00	282.6	99.0	-99.00	-99.00
10	01	01	01	9.1	1	335.	1.30	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

13:37:49

PAGE 34

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
 SOURCE GROUP: BLDG1 \*\*\*

INCLUDING SOURCE(S): BLDG1 ,

\*\*\* 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			

477060.08	3744372.49	5.72218	477074.98	
-----------	------------	---------	-----------	--

3744372.30	5.78257		
477080.97	3744372.68	5.81418	477107.86
3744373.84	5.93403		
477124.11	3744367.46	5.85134	477136.49
3744374.23	6.01661		
477195.48	3744375.39	6.07507	477060.86
3744356.05	5.42086		
477207.61	3744374.97	6.05156	477380.98
3744305.37	4.30322		
477118.50	3744296.66	4.65666	477490.46
3744455.43	4.62265		
477668.58	3744413.69	2.86693	476881.02
3744148.03	2.70472		
477111.89	3745113.29	18.62176	477349.45
3745114.03	8.83644		
477515.74	3745009.76	5.80512	477454.22
3745035.49	7.05270		
477015.66	3745168.64	12.81862	476433.55
3744998.95	2.91031		
477469.06	3745076.86	6.24098	477469.36
3745103.93	5.94583		
477470.51	3745126.80	5.67942	477594.70
3745070.21	4.23222		
477649.52	3744560.98	3.41285	477647.52
3744591.57	3.51771		
477648.60	3744619.76	3.58630	477647.83
3744648.25	3.67045		
477146.84	3744132.25	3.05654	477147.86
3744066.56	2.64425		
477147.35	3744041.93	2.51158	476685.99
3744469.93	4.22663		
476485.33	3744603.88	2.99242	476555.37
3744160.98	1.85452		
476555.17	3744124.59	1.74787	476708.76
3744164.61	2.29119		
476605.31	3744108.33	1.82440	477233.14
3744007.11	2.37916		
477233.51	3743914.78	2.00333	477354.60
3743419.36	1.00184		
477195.95	3743347.28	0.90738	477137.19
3743435.19	0.99107		
477985.54	3742759.23	0.51401	477985.54
3742807.54	0.53109		
477983.73	3742852.83	0.54825	477247.56
3742920.47	0.60496		
477338.15	3742649.32	0.49184	478077.34
3742745.94	0.49743		
478076.73	3742704.27	0.48457	478073.71
3742605.83	0.45602		
477036.28	3742768.62	0.55904	477013.90
3742710.93	0.53185		
477018.00	3742667.43	0.51620	477016.74
3742615.41	0.49729		
477608.13	3744100.00	2.23971	476543.81
3745771.70	1.51775		
475779.08	3744884.39	0.79342	475780.97
3744834.81	0.79383		
475780.97	3744788.54	0.79094	475791.01
3744719.15	0.79370		
475791.45	3744684.67	0.78967	478158.55
3742338.43	0.38288		
477253.02	3745694.62	2.20827	477157.80
3745697.65	2.28258		
477155.10	3745664.56	2.44501	475761.72
3745017.99	0.78329		
475773.11	3745186.10	0.78604	475881.63

3745127.65	0.92506		
477597.84	3745096.57	4.07619	477596.59
3745123.34	3.96420		
477955.00	3744841.13	1.94196	477712.66
3744991.00	3.24655		
477936.51	3745026.40	1.95957	477736.89
3744807.33	3.11940		
477463.22	3745153.00	5.51853	477467.88
3745177.64	5.18241		
477469.21	3745209.27	4.84196	477462.72
3745231.24	4.70122		
477462.22	3745259.87	4.42993	477596.06
3745147.68	3.85087		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                    06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                13:37:49

```

PAGE 35

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: BLDG1 \*\*\*  
INCLUDING SOURCE(S): BLDG1 ,

\*\*\* 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			

477594.39	3745174.64	3.73219	477595.23
3745200.45	3.59535		
477594.73	3745227.25	3.46559	477595.56
3745252.55	3.33305		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                    06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                13:37:49

```

PAGE 36

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: BLDG2 \*\*\*  
INCLUDING SOURCE(S): BLDG2 ,

\*\*\* 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			

477060.08	3744372.49	5.29602	477074.98
3744372.30	5.35624		
477080.97	3744372.68	5.38717	477107.86
3744373.84	5.50854		
477124.11	3744367.46	5.44510	477136.49
3744374.23	5.60175		
477195.48	3744375.39	5.70754	477060.86

3744356.05	5.02985		
477207.61	3744374.97	5.69912	477380.98
3744305.37	4.20777		
477118.50	3744296.66	4.36786	477490.46
3744455.43	4.69792		
477668.58	3744413.69	2.92843	476881.02
3744148.03	2.56245		
477111.89	3745113.29	21.83543	477349.45
3745114.03	10.04370		
477515.74	3745009.76	6.32681	477454.22
3745035.49	7.81240		
477015.66	3745168.64	13.84668	476433.55
3744998.95	2.80395		
477469.06	3745076.86	6.88118	477469.36
3745103.93	6.54758		
477470.51	3745126.80	6.24392	477594.70
3745070.21	4.55356		
477649.52	3744560.98	3.51592	477647.52
3744591.57	3.63067		
477648.60	3744619.76	3.70775	477647.83
3744648.25	3.80192		
477146.84	3744132.25	2.91039	477147.86
3744066.56	2.52746		
477147.35	3744041.93	2.40366	476685.99
3744469.93	3.91419		
476485.33	3744603.88	2.81825	476555.37
3744160.98	1.76647		
476555.17	3744124.59	1.66761	476708.76
3744164.61	2.17181		
476605.31	3744108.33	1.73949	477233.14
3744007.11	2.28889		
477233.51	3743914.78	1.93332	477354.60
3743419.36	0.97944		
477195.95	3743347.28	0.88605	477137.19
3743435.19	0.96587		
477985.54	3742759.23	0.50954	477985.54
3742807.54	0.52656		
477983.73	3742852.83	0.54365	477247.56
3742920.47	0.59394		
477338.15	3742649.32	0.48415	478077.34
3742745.94	0.49388		
478076.73	3742704.27	0.48102	478073.71
3742605.83	0.45248		
477036.28	3742768.62	0.54724	477013.90
3742710.93	0.52067		
477018.00	3742667.43	0.50549	477016.74
3742615.41	0.48711		
477608.13	3744100.00	2.23303	476543.81
3745771.70	1.52874		
475779.08	3744884.39	0.77532	475780.97
3744834.81	0.77523		
475780.97	3744788.54	0.77199	475791.01
3744719.15	0.77394		
475791.45	3744684.67	0.76972	478158.55
3742338.43	0.38008		
477253.02	3745694.62	2.31329	477157.80
3745697.65	2.38491		
477155.10	3745664.56	2.55945	475761.72
3745017.99	0.76731		
475773.11	3745186.10	0.77259	475881.63
3745127.65	0.90707		
477597.84	3745096.57	4.38436	477596.59
3745123.34	4.26408		
477955.00	3744841.13	2.00836	477712.66
3744991.00	3.43278		
477936.51	3745026.40	2.04087	477736.89

3744807.33	3.25407		
477463.22	3745153.00	6.06375	477467.88
3745177.64	5.67705		
477469.21	3745209.27	5.28699	477462.72
3745231.24	5.12660		
477462.22	3745259.87	4.81627	477596.06
3745147.68	4.14089		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                   06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                               13:37:49

```

PAGE 37

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: BLDG2 \*\*\*  
INCLUDING SOURCE(S): BLDG2 ,

\*\*\* 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			

477594.39	3745174.64	4.01144	477595.23	
3745200.45	3.86068			
477594.73	3745227.25	3.71763	477595.56	
3745252.55	3.57102			

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                   06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                               13:37:49

```

PAGE 38

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: BLDG3 \*\*\*  
INCLUDING SOURCE(S): BLDG3 ,

\*\*\* 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			

477060.08	3744372.49	5.38558	477074.98	
3744372.30	5.47159			
477080.97	3744372.68	5.51356	477107.86	
3744373.84	5.68850			
477124.11	3744367.46	5.65336	477136.49	
3744374.23	5.84816			
477195.48	3744375.39	6.10964	477060.86	
3744356.05	5.11672			
477207.61	3744374.97	6.13431	477380.98	
3744305.37	4.76456			
477118.50	3744296.66	4.50667	477490.46	
3744455.43	5.80672			
477668.58	3744413.69	3.48357	476881.02	

3744148.03	2.54519		
477111.89	3745113.29	17.60866	477349.45
3745114.03	11.69980		
477515.74	3745009.76	7.93944	477454.22
3745035.49	9.85767		
477015.66	3745168.64	10.51183	476433.55
3744998.95	2.36181		
477469.06	3745076.86	8.37428	477469.36
3745103.93	7.81510		
477470.51	3745126.80	7.33807	477594.70
3745070.21	5.41856		
477649.52	3744560.98	4.29674	477647.52
3744591.57	4.45735		
477648.60	3744619.76	4.56546	477647.83
3744648.25	4.69712		
477146.84	3744132.25	2.99619	477147.86
3744066.56	2.59530		
477147.35	3744041.93	2.46580	476685.99
3744469.93	3.39622		
476485.33	3744603.88	2.43241	476555.37
3744160.98	1.65779		
476555.17	3744124.59	1.57216	476708.76
3744164.61	2.08477		
476605.31	3744108.33	1.64555	477233.14
3744007.11	2.37188		
477233.51	3743914.78	1.99360	477354.60
3743419.36	1.00229		
477195.95	3743347.28	0.89919	477137.19
3743435.19	0.97892		
477985.54	3742759.23	0.52551	477985.54
3742807.54	0.54379		
477983.73	3742852.83	0.56215	477247.56
3742920.47	0.60119		
477338.15	3742649.32	0.48996	478077.34
3742745.94	0.51053		
478076.73	3742704.27	0.49665	478073.71
3742605.83	0.46598		
477036.28	3742768.62	0.54447	477013.90
3742710.93	0.51657		
477018.00	3742667.43	0.50130	477016.74
3742615.41	0.48271		
477608.13	3744100.00	2.49473	476543.81
3745771.70	1.39201		
475779.08	3744884.39	0.71104	475780.97
3744834.81	0.71147		
475780.97	3744788.54	0.70921	475791.01
3744719.15	0.71197		
475791.45	3744684.67	0.70885	478158.55
3742338.43	0.38995		
477253.02	3745694.62	2.26043	477157.80
3745697.65	2.29252		
477155.10	3745664.56	2.45494	475761.72
3745017.99	0.70286		
475773.11	3745186.10	0.70606	475881.63
3745127.65	0.82198		
477597.84	3745096.57	5.15905	477596.59
3745123.34	4.96538		
477955.00	3744841.13	2.29542	477712.66
3744991.00	4.06416		
477936.51	3745026.40	2.30552	477736.89
3744807.33	3.91690		
477463.22	3745153.00	7.00635	477467.88
3745177.64	6.46669		
477469.21	3745209.27	5.92211	477462.72
3745231.24	5.67487		
477462.22	3745259.87	5.26305	477596.06

3745147.68 4.77657

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 39

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: BLDG3 \*\*\*

INCLUDING SOURCE(S): BLDG3 ,

\*\*\* 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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)
477594.39	3745174.64	4.58054	477595.23	
3745200.45	4.36662			
477594.73	3745227.25	4.16547	477595.56	
3745252.55	3.96780			

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 40

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: BLDG4 \*\*\*

INCLUDING SOURCE(S): BLDG4 ,


\*\*\* 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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)
477060.08	3744372.49	5.13606	477074.98	
3744372.30	5.22837			
477080.97	3744372.68	5.27251	477107.86	
3744373.84	5.46031			
477124.11	3744367.46	5.44406	477136.49	
3744374.23	5.63982			
477195.48	3744375.39	5.96517	477060.86	
3744356.05	4.89038			
477207.61	3744374.97	6.00780	477380.98	
3744305.37	4.89016			
477118.50	3744296.66	4.36233	477490.46	
3744455.43	6.42638			
477668.58	3744413.69	3.83966	476881.02	
3744148.03	2.44964			
477111.89	3745113.29	16.13809	477349.45	
3745114.03	13.41590			
477515.74	3745009.76	9.47957	477454.22	
3745035.49	11.89869			
477015.66	3745168.64	9.39416	476433.55	

3744998.95	2.16250		
477469.06	3745076.86	9.83799	477469.36
3745103.93	9.05581		
477470.51	3745126.80	8.41001	477594.70
3745070.21	6.20688		
477649.52	3744560.98	4.84972	477647.52
3744591.57	5.05310		
477648.60	3744619.76	5.19253	477647.83
3744648.25	5.36120		
477146.84	3744132.25	2.93265	477147.86
3744066.56	2.54556		
477147.35	3744041.93	2.42005	476685.99
3744469.93	3.11499		
476485.33	3744603.88	2.22989	476555.37
3744160.98	1.57767		
476555.17	3744124.59	1.49991	476708.76
3744164.61	1.98659		
476605.31	3744108.33	1.57211	477233.14
3744007.11	2.34374		
477233.51	3743914.78	1.97149	477354.60
3743419.36	0.99756		
477195.95	3743347.28	0.89156	477137.19
3743435.19	0.96891		
477985.54	3742759.23	0.52939	477985.54
3742807.54	0.54817		
477983.73	3742852.83	0.56702	477247.56
3742920.47	0.59758		
477338.15	3742649.32	0.48779	478077.34
3742745.94	0.51533		
478076.73	3742704.27	0.50101	478073.71
3742605.83	0.46946		
477036.28	3742768.62	0.53554	477013.90
3742710.93	0.50777		
477018.00	3742667.43	0.49277	477016.74
3742615.41	0.47447		
477608.13	3744100.00	2.60249	476543.81
3745771.70	1.33793		
475779.08	3744884.39	0.67856	475780.97
3744834.81	0.67897		
475780.97	3744788.54	0.67692	475791.01
3744719.15	0.67960		
475791.45	3744684.67	0.67680	478158.55
3742338.43	0.39238		
477253.02	3745694.62	2.28469	477157.80
3745697.65	2.29290		
477155.10	3745664.56	2.45397	475761.72
3745017.99	0.67129		
475773.11	3745186.10	0.67499	475881.63
3745127.65	0.78239		
477597.84	3745096.57	5.86685	477596.59
3745123.34	5.60975		
477955.00	3744841.13	2.50701	477712.66
3744991.00	4.59512		
477936.51	3745026.40	2.51338	477736.89
3744807.33	4.43006		
477463.22	3745153.00	7.93786	477467.88
3745177.64	7.25174		
477469.21	3745209.27	6.56327	477462.72
3745231.24	6.23980		
477462.22	3745259.87	5.73565	477596.06
3745147.68	5.36381		


 \*\*\* AERMOD - VERSION 21112 \*\*\*  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*

\*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

\*\*\*

13:37:49



\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: BLDG4 \*\*\*  
INCLUDING SOURCE(S): BLDG4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
477594.39	3745174.64	5.11025	477595.23	
3745200.45	4.84112			
477594.73	3745227.25	4.58972	477595.56	
3745252.55	4.34732			

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: BLDG5 \*\*\*  
INCLUDING SOURCE(S): BLDG5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
477060.08	3744372.49	4.41408	477074.98	
3744372.30	4.50210			
477080.97	3744372.68	4.54312	477107.86	
3744373.84	4.72155			
477124.11	3744367.46	4.73010	477136.49	
3744374.23	4.90006			
477195.48	3744375.39	5.25133	477060.86	
3744356.05	4.22721			
477207.61	3744374.97	5.30821	477380.98	
3744305.37	4.69857			
477118.50	3744296.66	3.86384	477490.46	
3744455.43	7.08283			
477668.58	3744413.69	4.45832	476881.02	
3744148.03	2.19953			
477111.89	3745113.29	13.82324	477349.45	
3745114.03	18.61941			
477515.74	3745009.76	14.50742	477454.22	
3745035.49	18.95423			
477015.66	3745168.64	7.95192	476433.55	
3744998.95	1.83485			
477469.06	3745076.86	14.56901	477469.36	
3745103.93	12.94702			
477470.51	3745126.80	11.69574	477594.70	
3745070.21	8.51466			
477649.52	3744560.98	5.99968	477647.52	

3744591.57	6.33257		
477648.60	3744619.76	6.57567	477647.83
3744648.25	6.86161		
477146.84	3744132.25	2.68578	477147.86
3744066.56	2.35042		
477147.35	3744041.93	2.24041	476685.99
3744469.93	2.58581		
476485.33	3744603.88	1.85868	476555.37
3744160.98	1.38657		
476555.17	3744124.59	1.32524	476708.76
3744164.61	1.74449		
476605.31	3744108.33	1.38913	477233.14
3744007.11	2.19428		
477233.51	3743914.78	1.85782	477354.60
3743419.36	0.96455		
477195.95	3743347.28	0.85837	477137.19
3743435.19	0.96821		
477985.54	3742759.23	0.52822	477985.54
3742807.54	0.54740		
477983.73	3742852.83	0.56662	477247.56
3742920.47	0.61641		
477338.15	3742649.32	0.47654	478077.34
3742745.94	0.51634		
478076.73	3742704.27	0.50157	478073.71
3742605.83	0.46913		
477036.28	3742768.62	0.51118	477013.90
3742710.93	0.48427		
477018.00	3742667.43	0.47016	477016.74
3742615.41	0.45283		
477608.13	3744100.00	2.67459	476543.81
3745771.70	1.26473		
475779.08	3744884.39	0.61891	475780.97
3744834.81	0.61895		
475780.97	3744788.54	0.61694	475791.01
3744719.15	0.61895		
475791.45	3744684.67	0.61640	478158.55
3742338.43	0.39192		
477253.02	3745694.62	2.39451	477157.80
3745697.65	2.35101		
477155.10	3745664.56	2.51438	475761.72
3745017.99	0.61405		
475773.11	3745186.10	0.61966	475881.63
3745127.65	0.71216		
477597.84	3745096.57	7.91834	477596.59
3745123.34	7.46294		
477955.00	3744841.13	2.98406	477712.66
3744991.00	6.01031		
477936.51	3745026.40	3.01293	477736.89
3744807.33	5.66703		
477463.22	3745153.00	10.73457	477467.88
3745177.64	9.56566		
477469.21	3745209.27	8.42003	477462.72
3745231.24	7.86281		
477462.22	3745259.87	7.08262	477596.06
3745147.68	7.03955		

**FF** \*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\*      06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      13:37:49

PAGE 43

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION      VALUES AVERAGED OVER      5 YEARS FOR  
 SOURCE GROUP: BLDG5      \*\*\*  
 INCLUDING SOURCE(S):      BLDG5 ,

\*\*\* 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

```

-----
477594.39 3745174.64 6.60949 477595.23
3745200.45 6.17239
477594.73 3745227.25 5.77059 477595.56
3745252.55 5.39663
  
```

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 13:37:49

PAGE 44

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
 SOURCE GROUP: BLDG6 \*\*\*  
 INCLUDING SOURCE(S): BLDG6 ,

\*\*\* 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

```

-----
477060.08 3744372.49 4.26947 477074.98
3744372.30 4.35825
477080.97 3744372.68 4.39930 477107.86
3744373.84 4.57896
477124.11 3744367.46 4.59436 477136.49
3744374.23 4.76067
477195.48 3744375.39 5.12389 477060.86
3744356.05 4.09490
477207.61 3744374.97 5.18480 477380.98
3744305.37 4.68812
477118.50 3744296.66 3.77022 477490.46
3744455.43 7.34809
477668.58 3744413.69 4.71873 476881.02
3744148.03 2.14624
477111.89 3745113.29 12.49626 477349.45
3745114.03 19.54815
477515.74 3745009.76 16.77628 477454.22
3745035.49 21.88368
477015.66 3745168.64 7.33604 476433.55
3744998.95 1.75011
477469.06 3745076.86 16.30854 477469.36
3745103.93 14.26843
477470.51 3745126.80 12.74634 477594.70
3745070.21 9.42752
477649.52 3744560.98 6.51440 477647.52
3744591.57 6.91435
477648.60 3744619.76 7.21270 477647.83
3744648.25 7.56044
477146.84 3744132.25 2.64226 477147.86
3744066.56 2.31649
477147.35 3744041.93 2.20930 476685.99
  
```

3744469.93	2.46518		
476485.33	3744603.88	1.77493	476555.37
3744160.98	1.34687		
476555.17	3744124.59	1.28904	476708.76
3744164.61	1.69496		
476605.31	3744108.33	1.35208	477233.14
3744007.11	2.17081		
477233.51	3743914.78	1.84022	477354.60
3743419.36	0.96040		
477195.95	3743347.28	0.85330	477137.19
3743435.19	0.95652		
477985.54	3742759.23	0.52986	477985.54
3742807.54	0.54926		
477983.73	3742852.83	0.56872	477247.56
3742920.47	0.61167		
477338.15	3742649.32	0.47507	478077.34
3742745.94	0.51853		
478076.73	3742704.27	0.50355	478073.71
3742605.83	0.47068		
477036.28	3742768.62	0.50588	477013.90
3742710.93	0.47913		
477018.00	3742667.43	0.46517	477016.74
3742615.41	0.44803		
477608.13	3744100.00	2.71619	476543.81
3745771.70	1.22883		
475779.08	3744884.39	0.60285	475780.97
3744834.81	0.60290		
475780.97	3744788.54	0.60101	475791.01
3744719.15	0.60300		
475791.45	3744684.67	0.60060	478158.55
3742338.43	0.39304		
477253.02	3745694.62	2.39085	477157.80
3745697.65	2.32987		
477155.10	3745664.56	2.48901	475761.72
3745017.99	0.59831		
475773.11	3745186.10	0.60399	475881.63
3745127.65	0.69257		
477597.84	3745096.57	8.69782	477596.59
3745123.34	8.13880		
477955.00	3744841.13	3.17618	477712.66
3744991.00	6.59680		
477936.51	3745026.40	3.20257	477736.89
3744807.33	6.21576		
477463.22	3745153.00	11.55749	477467.88
3745177.64	10.21592		
477469.21	3745209.27	8.90998	477462.72
3745231.24	8.26637		
477462.22	3745259.87	7.40068	477596.06
3745147.68	7.62843		

 \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* \*\*\* 13:37:49

PAGE 45

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
 SOURCE GROUP: BLDG6 \*\*\*  
 INCLUDING SOURCE(S): BLDG6 ,

\*\*\* 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

```
-----  
-----  
477594.39 3745174.64 7.11509 477595.23  
3745200.45 6.60513  
477594.73 3745227.25 6.14016 477595.56  
3745252.55 5.71416
```

```
*** AERMOD - VERSION 21112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. *** 06/14/22  
*** AERMET - VERSION 16216 ***  
*** ** 13:37:49
```

PAGE 46

```
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*
```

```
*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: BLDG7 ***  
INCLUDING SOURCE(S): BLDG7 ,
```


\*\*\* 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

```
-----  
-----  
477060.08 3744372.49 3.74839 477074.98  
3744372.30 3.83021  
477080.97 3744372.68 3.86749 477107.86  
3744373.84 4.03267  
477124.11 3744367.46 4.05977 477136.49  
3744374.23 4.20370  
477195.48 3744375.39 4.55503 477060.86  
3744356.05 3.61213  
477207.61 3744374.97 4.61767 477380.98  
3744305.37 4.39247  
477118.50 3744296.66 3.38920 477490.46  
3744455.43 7.40406  
477668.58 3744413.69 5.25548 476881.02  
3744148.03 1.87992  
477111.89 3745113.29 10.00140 477349.45  
3745114.03 22.60921  
477515.74 3745009.76 28.00914 477454.22  
3745035.49 36.11093  
477015.66 3745168.64 6.14731 476433.55  
3744998.95 1.52544  
477469.06 3745076.86 24.00924 477469.36  
3745103.93 19.88013  
477470.51 3745126.80 17.10002 477594.70  
3745070.21 13.29827  
477649.52 3744560.98 7.87665 477647.52  
3744591.57 8.54194  
477648.60 3744619.76 9.09049 477647.83  
3744648.25 9.71908  
477146.84 3744132.25 2.44544 477147.86  
3744066.56 2.15992  
477147.35 3744041.93 2.06494 476685.99  
3744469.93 2.11687  
476485.33 3744603.88 1.53682 476555.37  
3744160.98 1.20968  
476555.17 3744124.59 1.16244 476708.76  
3744164.61 1.51035  
476605.31 3744108.33 1.21921 477233.14
```

3744007.11	2.04536		
477233.51	3743914.78	1.74505	477354.60
3743419.36	0.93203		
477195.95	3743347.28	0.85707	477137.19
3743435.19	0.91229		
477985.54	3742759.23	0.52786	477985.54
3742807.54	0.54747		
477983.73	3742852.83	0.56710	477247.56
3742920.47	0.59524		
477338.15	3742649.32	0.49412	478077.34
3742745.94	0.51833		
478076.73	3742704.27	0.50307	478073.71
3742605.83	0.46965		
477036.28	3742768.62	0.48517	477013.90
3742710.93	0.45939		
477018.00	3742667.43	0.44620	477016.74
3742615.41	0.42991		
477608.13	3744100.00	2.71530	476543.81
3745771.70	1.15190		
475779.08	3744884.39	0.55791	475780.97
3744834.81	0.55779		
475780.97	3744788.54	0.55600	475791.01
3744719.15	0.55762		
475791.45	3744684.67	0.55544	478158.55
3742338.43	0.39221		
477253.02	3745694.62	2.42924	477157.80
3745697.65	2.31713		
477155.10	3745664.56	2.46887	475761.72
3745017.99	0.55471		
475773.11	3745186.10	0.56133	475881.63
3745127.65	0.63932		
477597.84	3745096.57	11.93901	477596.59
3745123.34	10.90405		
477955.00	3744841.13	3.79504	477712.66
3744991.00	8.86841		
477936.51	3745026.40	3.85421	477736.89
3744807.33	8.11803		
477463.22	3745153.00	14.89531	477467.88
3745177.64	12.82965		
477469.21	3745209.27	10.86860	477462.72
3745231.24	9.88202		
477462.22	3745259.87	8.68077	477596.06
3745147.68	10.00490		


 \*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\*      06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      13:37:49

PAGE 47

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION      VALUES AVERAGED OVER      5 YEARS FOR  
 SOURCE GROUP: BLDG7      \*\*\*  
                                  INCLUDING SOURCE(S):      BLDG7      ,

\*\*\* 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			
477594.39	3745174.64	9.12893	477595.23	
3745200.45	8.30944			

477594.73 3745227.25 7.58258 477595.56  
3745252.55 6.94594

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 48

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*


\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: BLDG8 \*\*\*  
INCLUDING SOURCE(S): BLDG8 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
477060.08	3744372.49	3.66694	477074.98	
3744372.30	3.75020			
477080.97	3744372.68	3.78791	477107.86	
3744373.84	3.95593			
477124.11	3744367.46	3.98855	477136.49	
3744374.23	4.13149			
477195.48	3744375.39	4.49606	477060.86	
3744356.05	3.53818			
477207.61	3744374.97	4.56235	477380.98	
3744305.37	4.41047			
477118.50	3744296.66	3.34242	477490.46	
3744455.43	7.63220			
477668.58	3744413.69	5.56793	476881.02	
3744148.03	1.84698			
477111.89	3745113.29	8.92778	477349.45	
3745114.03	20.96718			
477515.74	3745009.76	32.40910	477454.22	
3745035.49	38.79764			
477015.66	3745168.64	5.63780	476433.55	
3744998.95	1.46167			
477469.06	3745076.86	25.23668	477469.36	
3745103.93	20.58718			
477470.51	3745126.80	17.55903	477594.70	
3745070.21	14.62191			
477649.52	3744560.98	8.62925	477647.52	
3744591.57	9.44487			
477648.60	3744619.76	10.13942	477647.83	
3744648.25	10.93733			
477146.84	3744132.25	2.42823	477147.86	
3744066.56	2.14752			
477147.35	3744041.93	2.05387	476685.99	
3744469.93	2.03771			
476485.33	3744603.88	1.47932	476555.37	
3744160.98	1.18272			
476555.17	3744124.59	1.13795	476708.76	
3744164.61	1.47834			
476605.31	3744108.33	1.19456	477233.14	
3744007.11	2.04041			
477233.51	3743914.78	1.74198	477354.60	
3743419.36	0.93308			
477195.95	3743347.28	0.85263	477137.19	
3743435.19	0.90639			
477985.54	3742759.23	0.53111	477985.54	

3742807.54	0.55101		
477983.73	3742852.83	0.57093	477247.56
3742920.47	0.59308		
477338.15	3742649.32	0.49307	478077.34
3742745.94	0.52200		
478076.73	3742704.27	0.50648	478073.71
3742605.83	0.47253		
477036.28	3742768.62	0.48203	477013.90
3742710.93	0.45629		
477018.00	3742667.43	0.44317	477016.74
3742615.41	0.42696		
477608.13	3744100.00	2.76474	476543.81
3745771.70	1.11546		
475779.08	3744884.39	0.54476	475780.97
3744834.81	0.54472		
475780.97	3744788.54	0.54308	475791.01
3744719.15	0.54481		
475791.45	3744684.67	0.54280	478158.55
3742338.43	0.39435		
477253.02	3745694.62	2.38031	477157.80
3745697.65	2.25652		
477155.10	3745664.56	2.39976	475761.72
3745017.99	0.54156		
475773.11	3745186.10	0.54780	475881.63
3745127.65	0.62274		
477597.84	3745096.57	12.95150	477596.59
3745123.34	11.68651		
477955.00	3744841.13	4.07464	477712.66
3744991.00	9.85630		
477936.51	3745026.40	4.11148	477736.89
3744807.33	9.11171		
477463.22	3745153.00	15.12001	477467.88
3745177.64	12.98728		
477469.21	3745209.27	10.95482	477462.72
3745231.24	9.91400		
477462.22	3745259.87	8.68829	477596.06
3745147.68	10.62093		

 \*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\*      06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      13:37:49

PAGE 49

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*


\*\*\* THE ANNUAL AVERAGE CONCENTRATION      VALUES AVERAGED OVER      5 YEARS FOR  
 SOURCE GROUP: BLDG8      \*\*\*  
                                  INCLUDING SOURCE(S):      BLDG8 ,

\*\*\* 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			

-----	-----	-----	-----	-----
477594.39	3745174.64	9.60151	477595.23	
3745200.45	8.67689			
477594.73	3745227.25	7.86632	477595.56	
3745252.55	7.16969			

 \*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\*      06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      13:37:49



\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: BREATHE \*\*\*

INCLUDING SOURCE(S): BREATHE ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF DPM MICROGRAMS/M**3	IN		
X-COORD (M) (M)	Y-COORD (M) CONC	CONC		X-COORD (M)	Y-COORD
477060.08	3744372.49	4.11411		477074.98	
3744372.30	4.21030				
477080.97	3744372.68	4.25410		477107.86	
3744373.84	4.44851				
477124.11	3744367.46	4.48098		477136.49	
3744374.23	4.65018				
477195.48	3744375.39	5.06511		477060.86	
3744356.05	3.95676				
477207.61	3744374.97	5.13898		477380.98	
3744305.37	4.84338				
477118.50	3744296.66	3.70201		477490.46	
3744455.43	8.26633				
477668.58	3744413.69	5.50297		476881.02	
3744148.03	2.00589				
477111.89	3745113.29	9.57303		477349.45	
3745114.03	18.23948				
477515.74	3745009.76	21.99979		477454.22	
3745035.49	26.54686				
477015.66	3745168.64	5.97897		476433.55	
3744998.95	1.56545				
477469.06	3745076.86	18.73121		477469.36	
3745103.93	15.87728				
477470.51	3745126.80	13.90040		477594.70	
3745070.21	11.34643				
477649.52	3744560.98	8.11712		477647.52	
3744591.57	8.74539				
477648.60	3744619.76	9.23474		477647.83	
3744648.25	9.79755				
477146.84	3744132.25	2.62753		477147.86	
3744066.56	2.30808				
477147.35	3744041.93	2.20245		476685.99	
3744469.93	2.25323				
476485.33	3744603.88	1.60810		476555.37	
3744160.98	1.27363				
476555.17	3744124.59	1.22305		476708.76	
3744164.61	1.60567				
476605.31	3744108.33	1.28566		477233.14	
3744007.11	2.17925				
477233.51	3743914.78	1.84794		477354.60	
3743419.36	0.96780				
477195.95	3743347.28	0.88859		477137.19	
3743435.19	0.94874				
477985.54	3742759.23	0.53942		477985.54	
3742807.54	0.55963				
477983.73	3742852.83	0.57990		477247.56	
3742920.47	0.61169				
477338.15	3742649.32	0.47721		478077.34	
3742745.94	0.52896				
478076.73	3742704.27	0.51328		478073.71	

3742605.83	0.47897		
477036.28	3742768.62	0.49945	477013.90
3742710.93	0.47260		
477018.00	3742667.43	0.45881	477016.74
3742615.41	0.44182		
477608.13	3744100.00	2.88020	476543.81
3745771.70	1.14138		
475779.08	3744884.39	0.56832	475780.97
3744834.81	0.56855		
475780.97	3744788.54	0.56705	475791.01
3744719.15	0.56931		
475791.45	3744684.67	0.56737	478158.55
3742338.43	0.39915		
477253.02	3745694.62	2.29585	477157.80
3745697.65	2.20532		
477155.10	3745664.56	2.34689	475761.72
3745017.99	0.56376		
475773.11	3745186.10	0.56841	475881.63
3745127.65	0.64861		
477597.84	3745096.57	10.23858	477596.59
3745123.34	9.38749		
477955.00	3744841.13	3.68021	477712.66
3744991.00	8.07597		
477936.51	3745026.40	3.65180	477736.89
3744807.33	7.83268		
477463.22	3745153.00	12.29572	477467.88
3745177.64	10.75584		
477469.21	3745209.27	9.25894	477462.72
3745231.24	8.49393		
477462.22	3745259.87	7.54500	477596.06
3745147.68	8.65317		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                  06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                13:37:49

```

PAGE 51

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: BREATHE \*\*\*  
INCLUDING SOURCE(S): BREATHE ,

\*\*\* 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			

477594.39	3745174.64	7.93676	477595.23	
3745200.45	7.26779			
477594.73	3745227.25	6.67052	477595.56	
3745252.55	6.14478			

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                  06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                13:37:49

```

PAGE 52

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: DW2 \*\*\*


INCLUDING SOURCE(S): L0001135 , L0001136 ,  
 L0001137 , L0001138 , L0001139 ,

L0001140 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF DPM MICROGRAMS/M**3	IN		
X-COORD (M)	Y-COORD (M)	CONC		X-COORD (M)	Y-COORD
477060.08	3744372.49	28.78003		477074.98	
3744372.30	29.42877				
477080.97	3744372.68	29.73414		477107.86	
3744373.84	30.34163				
477124.11	3744367.46	28.40814		477136.49	
3744374.23	29.45452				
477195.48	3744375.39	24.36484		477060.86	
3744356.05	25.10541				
477207.61	3744374.97	22.96146		477380.98	
3744305.37	8.28894				
477118.50	3744296.66	17.12728		477490.46	
3744455.43	6.42753				
477668.58	3744413.69	3.53462		476881.02	
3744148.03	6.08663				
477111.89	3745113.29	4.60466		477349.45	
3745114.03	3.67929				
477515.74	3745009.76	3.47317		477454.22	
3745035.49	3.71700				
477015.66	3745168.64	3.94533		476433.55	
3744998.95	2.32100				
477469.06	3745076.86	3.32784		477469.36	
3745103.93	3.15293				
477470.51	3745126.80	3.01006		477594.70	
3745070.21	2.71327				
477649.52	3744560.98	3.88051		477647.52	
3744591.57	3.89505				
477648.60	3744619.76	3.86114		477647.83	
3744648.25	3.83390				
477146.84	3744132.25	7.61716		477147.86	
3744066.56	5.99042				
477147.35	3744041.93	5.51714		476685.99	
3744469.93	7.49911				
476485.33	3744603.88	3.51342		476555.37	
3744160.98	3.00813				
476555.17	3744124.59	2.82613		476708.76	
3744164.61	4.32153				
476605.31	3744108.33	3.06608		477233.14	
3744007.11	4.91881				
477233.51	3743914.78	3.82391		477354.60	
3743419.36	1.48292				
477195.95	3743347.28	1.32417		477137.19	
3743435.19	1.48406				
477985.54	3742759.23	0.63328		477985.54	
3742807.54	0.65554				
477983.73	3742852.83	0.67805		477247.56	
3742920.47	0.80511				
477338.15	3742649.32	0.62974		478077.34	
3742745.94	0.60392				
478076.73	3742704.27	0.58779		478073.71	
3742605.83	0.55188				
477036.28	3742768.62	0.72420		477013.90	
3742710.93	0.68308				
477018.00	3742667.43	0.65956		477016.74	

3742615.41	0.63141		
477608.13	3744100.00	3.18082	476543.81
3745771.70	1.05994		
475779.08	3744884.39	0.78034	475780.97
3744834.81	0.79102		
475780.97	3744788.54	0.79769	475791.01
3744719.15	0.81455		
475791.45	3744684.67	0.81722	478158.55
3742338.43	0.45521		
477253.02	3745694.62	1.32555	477157.80
3745697.65	1.35311		
477155.10	3745664.56	1.42179	475761.72
3745017.99	0.74598		
475773.11	3745186.10	0.72721	475881.63
3745127.65	0.85102		
477597.84	3745096.57	2.59194	477596.59
3745123.34	2.49314		
477955.00	3744841.13	1.77024	477712.66
3744991.00	2.43588		
477936.51	3745026.40	1.61819	477736.89
3744807.33	2.77047		
477463.22	3745153.00	2.89131	477467.88
3745177.64	2.74091		
477469.21	3745209.27	2.57914	477462.72
3745231.24	2.49596		
477462.22	3745259.87	2.37048	477596.06
3745147.68	2.40403		


**\*\*\* AERMOD - VERSION 21112 \*\*\***      **\*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998**  
**Ops\13998 Ops. \*\*\***      06/14/22  
**\*\*\* AERMET - VERSION 16216 \*\*\***  
**\*\*\***      **\*\*\***      **13:37:49**

PAGE 53


**\*\*\* MODELOPTs:** RegDFAULT CONC ELEV URBAN ADJ\_U\*

**\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR**  
**SOURCE GROUP: DW2 \*\*\***  
 INCLUDING SOURCE(S): L0001135 , L0001136 ,  
 L0001137 , L0001138 , L0001139 ,  
 L0001140 ,

**\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\***

**\*\* CONC OF DPM IN \*\***  
**MICROGRAMS/M\*\*3**

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
477594.39	3745174.64	2.31278	477595.23	
3745200.45	2.22162			
477594.73	3745227.25	2.13538	477595.56	
3745252.55	2.05367			


**\*\*\* AERMOD - VERSION 21112 \*\*\***      **\*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998**  
**Ops\13998 Ops. \*\*\***      06/14/22  
**\*\*\* AERMET - VERSION 16216 \*\*\***  
**\*\*\***      **\*\*\***      **13:37:49**

PAGE 54

**\*\*\* MODELOPTs:** RegDFAULT CONC ELEV URBAN ADJ\_U\*

**\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR**  
**SOURCE GROUP: DW3 \*\*\***  
 INCLUDING SOURCE(S): L0001091 , L0001092 ,  
 L0001093 , L0001094 , L0001095 ,

## \*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF DPM MICROGRAMS/M**3	IN		
X-COORD (M) (M)	Y-COORD (M) CONC	CONC		X-COORD (M)	Y-COORD
477060.08	3744372.49	7.00038		477074.98	
3744372.30	7.07691				
477080.97	3744372.68	7.11725		477107.86	
3744373.84	7.26346				
477124.11	3744367.46	7.13528		477136.49	
3744374.23	7.34775				
477195.48	3744375.39	7.33514		477060.86	
3744356.05	6.58666				
477207.61	3744374.97	7.27970		477380.98	
3744305.37	4.80526				
477118.50	3744296.66	5.53759		477490.46	
3744455.43	4.88491				
477668.58	3744413.69	2.95291		476881.02	
3744148.03	3.06822				
477111.89	3745113.29	13.02992		477349.45	
3745114.03	7.30265				
477515.74	3745009.76	5.28681		477454.22	
3745035.49	6.23745				
477015.66	3745168.64	9.77003		476433.55	
3744998.95	2.89223				
477469.06	3745076.86	5.51037		477469.36	
3745103.93	5.23181				
477470.51	3745126.80	4.98914		477594.70	
3745070.21	3.88870				
477649.52	3744560.98	3.48581		477647.52	
3744591.57	3.58353				
477648.60	3744619.76	3.64241		477647.83	
3744648.25	3.71519				
477146.84	3744132.25	3.48937		477147.86	
3744066.56	2.98512				
477147.35	3744041.93	2.82481		476685.99	
3744469.93	4.84588				
476485.33	3744603.88	3.20790		476555.37	
3744160.98	2.03275				
476555.17	3744124.59	1.91163		476708.76	
3744164.61	2.55638				
476605.31	3744108.33	2.00327		477233.14	
3744007.11	2.65481				
477233.51	3743914.78	2.21250		477354.60	
3743419.36	1.06774				
477195.95	3743347.28	0.96564		477137.19	
3743435.19	1.05898				
477985.54	3742759.23	0.53199		477985.54	
3742807.54	0.54980				
477983.73	3742852.83	0.56772		477247.56	
3742920.47	0.63477				
477338.15	3742649.32	0.51287		478077.34	
3742745.94	0.51351				
478076.73	3742704.27	0.50019		478073.71	
3742605.83	0.47060				
477036.28	3742768.62	0.58533		477013.90	
3742710.93	0.55615				
477018.00	3742667.43	0.53935		477016.74	
3742615.41	0.51908				
477608.13	3744100.00	2.37212		476543.81	

3745771.70	1.42711		
475779.08	3744884.39	0.80296	475780.97
3744834.81	0.80500		
475780.97	3744788.54	0.80347	475791.01
3744719.15	0.80861		
475791.45	3744684.67	0.80563	478158.55
3742338.43	0.39402		
477253.02	3745694.62	1.98532	477157.80
3745697.65	2.04827		
477155.10	3745664.56	2.18413	475761.72
3745017.99	0.78745		
475773.11	3745186.10	0.78389	475881.63
3745127.65	0.92356		
477597.84	3745096.57	3.73398	477596.59
3745123.34	3.61875		
477955.00	3744841.13	1.90968	477712.66
3744991.00	3.08422		
477936.51	3745026.40	1.88937	477736.89
3744807.33	3.06948		
477463.22	3745153.00	4.82725	477467.88
3745177.64	4.53822		
477469.21	3745209.27	4.24219	477462.72
3745231.24	4.11262		
477462.22	3745259.87	3.87976	477596.06
3745147.68	3.50648		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                  06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                               13:37:49

```

PAGE 55

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

```

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR
SOURCE GROUP: DW3 ***
INCLUDING SOURCE(S): L0001091 , L0001092 ,
L0001093 , L0001094 , L0001095 ,
L0001096 ,

```

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
477594.39	3745174.64	3.38994	477595.23	
3745200.45	3.26120			
477594.73	3745227.25	3.13950	477595.56	
3745252.55	3.01786			

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                  06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                               13:37:49

```

PAGE 56

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

```

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR
SOURCE GROUP: GASIDLE ***
INCLUDING SOURCE(S): GASIDLE ,

```

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM  
MICROGRAMS/M\*\*3

IN

\*\*

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
477060.08	3744372.49	4.02425	477074.98	
3744372.30	4.11996			
477080.97	3744372.68	4.16339	477107.86	
3744373.84	4.35680			
477124.11	3744367.46	4.39262	477136.49	
3744374.23	4.55861			
477195.48	3744375.39	4.97624	477060.86	
3744356.05	3.87429			
477207.61	3744374.97	5.05149	477380.98	
3744305.37	4.81443			
477118.50	3744296.66	3.64140	477490.46	
3744455.43	8.36447			
477668.58	3744413.69	5.68599	476881.02	
3744148.03	1.96632			
477111.89	3745113.29	8.99767	477349.45	
3745114.03	17.90382			
477515.74	3745009.76	23.83851	477454.22	
3745035.49	27.96664			
477015.66	3745168.64	5.69689	476433.55	
3744998.95	1.51033			
477469.06	3745076.86	19.48946	477469.36	
3745103.93	16.38920			
477470.51	3745126.80	14.27791	477594.70	
3745070.21	12.00186			
477649.52	3744560.98	8.56000	477647.52	
3744591.57	9.27056			
477648.60	3744619.76	9.83484	477647.83	
3744648.25	10.48226			
477146.84	3744132.25	2.59945	477147.86	
3744066.56	2.28641			
477147.35	3744041.93	2.18267	476685.99	
3744469.93	2.17120			
476485.33	3744603.88	1.55256	476555.37	
3744160.98	1.24220			
476555.17	3744124.59	1.19413	476708.76	
3744164.61	1.56340			
476605.31	3744108.33	1.25543	477233.14	
3744007.11	2.16371			
477233.51	3743914.78	1.83652	477354.60	
3743419.36	0.96522			
477195.95	3743347.28	0.88419	477137.19	
3743435.19	0.94197			
477985.54	3742759.23	0.54053	477985.54	
3742807.54	0.56089			
477983.73	3742852.83	0.58128	477247.56	
3742920.47	0.61027			
477338.15	3742649.32	0.50537	478077.34	
3742745.94	0.53043			
478076.73	3742704.27	0.51462	478073.71	
3742605.83	0.48004			
477036.28	3742768.62	0.49546	477013.90	
3742710.93	0.46875			
477018.00	3742667.43	0.45511	477016.74	
3742615.41	0.43827			
477608.13	3744100.00	2.89874	476543.81	
3745771.70	1.12011			
475779.08	3744884.39	0.55723	475780.97	
3744834.81	0.55745			
475780.97	3744788.54	0.55601	475791.01	

3744719.15	0.55825		
475791.45	3744684.67	0.55640	478158.55
3742338.43	0.39994		
477253.02	3745694.62	2.27915	477157.80
3745697.65	2.18065		
477155.10	3745664.56	2.31843	475761.72
3745017.99	0.55287		
475773.11	3745186.10	0.55746	475881.63
3745127.65	0.63509		
477597.84	3745096.57	10.76029	477596.59
3745123.34	9.80799		
477955.00	3744841.13	3.83464	477712.66
3744991.00	8.57798		
477936.51	3745026.40	3.79475	477736.89
3744807.33	8.35948		
477463.22	3745153.00	12.55034	477467.88
3745177.64	10.95244		
477469.21	3745209.27	9.39826	477462.72
3745231.24	8.59697		
477462.22	3745259.87	7.62157	477596.06
3745147.68	8.99794		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                   06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                               13:37:49

```

PAGE 57

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: GASIDLE \*\*\*  
INCLUDING SOURCE(S): GASIDLE ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
477594.39	3745174.64	8.21417	477595.23	
3745200.45	7.49304			
477594.73	3745227.25	6.85289	477595.56	
3745252.55	6.29521			

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                   06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                               13:37:49

```

PAGE 58

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: IDLEE \*\*\*

INCLUDING SOURCE(S): L0001059 , L0001060 ,  
L0001061 , L0001062 , L0001063 ,  
L0001064 , L0001065 , L0001066 , L0001067 , L0001068 ,  
L0001069 , L0001070 , L0001071 ,  
L0001072 , L0001073 , L0001074 , L0001075 , L0001076 ,  
L0001077 , L0001078 , L0001079 ,  
L0001080 , L0001081 , L0001082 , L0001083 , L0001084 ,  
L0001085 , L0001086 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*



\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3

\*\*

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
477060.08	3744372.49	7.91590	477074.98	
3744372.30	8.34625			
477080.97	3744372.68	8.53912	477107.86	
3744373.84	9.47240			
477124.11	3744367.46	9.85997	477136.49	
3744374.23	10.59653			
477195.48	3744375.39	13.46870	477060.86	
3744356.05	7.59681			
477207.61	3744374.97	14.11417	477380.98	
3744305.37	13.97563			
477118.50	3744296.66	7.58066	477490.46	
3744455.43	25.56856			
477668.58	3744413.69	8.61248	476881.02	
3744148.03	3.08501			
477111.89	3745113.29	4.92368	477349.45	
3745114.03	6.25796			
477515.74	3745009.76	7.94941	477454.22	
3745035.49	8.01060			
477015.66	3745168.64	3.62448	476433.55	
3744998.95	1.45013			
477469.06	3745076.86	6.62285	477469.36	
3745103.93	5.98464			
477470.51	3745126.80	5.51296	477594.70	
3745070.21	5.46373			
477649.52	3744560.98	11.26681	477647.52	
3744591.57	11.56930			
477648.60	3744619.76	11.56369	477647.83	
3744648.25	11.57041			
477146.84	3744132.25	4.76413	477147.86	
3744066.56	3.97689			
477147.35	3744041.93	3.72847	476685.99	
3744469.93	2.70034			
476485.33	3744603.88	1.73304	476555.37	
3744160.98	1.58538			
476555.17	3744124.59	1.53013	476708.76	
3744164.61	2.15889			
476605.31	3744108.33	1.64672	477233.14	
3744007.11	3.72328			
477233.51	3743914.78	2.96834	477354.60	
3743419.36	1.30510			
477195.95	3743347.28	1.13836	477137.19	
3743435.19	1.25400			
477985.54	3742759.23	0.64832	477985.54	
3742807.54	0.67509			
477983.73	3742852.83	0.70214	477247.56	
3742920.47	0.74430			
477338.15	3742649.32	0.57356	478077.34	
3742745.94	0.63088			
478076.73	3742704.27	0.61063	478073.71	
3742605.83	0.56651			
477036.28	3742768.62	0.59815	477013.90	
3742710.93	0.56203			
477018.00	3742667.43	0.54363	477016.74	
3742615.41	0.52113			
477608.13	3744100.00	5.03379	476543.81	
3745771.70	0.95044			
475779.08	3744884.39	0.56727	475780.97	
3744834.81	0.57125			

475780.97	3744788.54	0.57298	475791.01
3744719.15	0.57989		
475791.45	3744684.67	0.58017	478158.55
3742338.43	0.46321		
477253.02	3745694.62	1.55005	477157.80
3745697.65	1.51430		
477155.10	3745664.56	1.59291	475761.72
3745017.99	0.55209		
475773.11	3745186.10	0.54587	475881.63
3745127.65	0.62278		
477597.84	3745096.57	5.02677	477596.59
3745123.34	4.66922		
477955.00	3744841.13	3.29184	477712.66
3744991.00	5.08102		
477936.51	3745026.40	2.84274	477736.89
3744807.33	6.60684		
477463.22	3745153.00	5.08396	477467.88
3745177.64	4.67715		
477469.21	3745209.27	4.24378	477462.72
3745231.24	4.00112		
477462.22	3745259.87	3.69557	477596.06
3745147.68	4.36948		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                   06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                               13:37:49

```

PAGE 59

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: IDLEE \*\*\*

INCLUDING SOURCE(S): L0001059 , L0001060 ,  
L0001061 , L0001062 , L0001063 ,  
L0001064 , L0001065 , L0001066 , L0001067 , L0001068 ,  
L0001069 , L0001070 , L0001071 ,  
L0001072 , L0001073 , L0001074 , L0001075 , L0001076 ,  
L0001077 , L0001078 , L0001079 ,  
L0001080 , L0001081 , L0001082 , L0001083 , L0001084 ,  
L0001085 , L0001086 , . . . ,

\*\*\* 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			

477594.39	3745174.64	4.07465	477595.23
3745200.45	3.80675		
477594.73	3745227.25	3.56148	477595.56
3745252.55	3.34527		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                   06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                               13:37:49

```

PAGE 60

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: IDLEW \*\*\*

INCLUDING SOURCE(S): L0001027 , L0001028 ,  
L0001029 , L0001030 , L0001031 ,

```

L0001032 , L0001033 , L0001034 , L0001035 , L0001036 ,
L0001037 , L0001038 , L0001039 ,
L0001040 , L0001041 , L0001042 , L0001043 , L0001044 ,
L0001045 , L0001046 , L0001047 ,
L0001048 , L0001049 , L0001050 , L0001051 , L0001052 ,
L0001053 , L0001054 , . . . ,

```

\*\*\* 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			
477060.08	3744372.49	18.45647	477074.98	
3744372.30	19.32932			
477080.97	3744372.68	19.73802	477107.86	
3744373.84	21.38892			
477124.11	3744367.46	20.91255	477136.49	
3744374.23	22.50686			
477195.48	3744375.39	21.87781	477060.86	
3744356.05	16.48733			
477207.61	3744374.97	21.16598	477380.98	
3744305.37	8.70357			
477118.50	3744296.66	12.67671	477490.46	
3744455.43	7.41514			
477668.58	3744413.69	3.91341	476881.02	
3744148.03	4.65511			
477111.89	3745113.29	6.33457	477349.45	
3745114.03	4.98943			
477515.74	3745009.76	4.54784	477454.22	
3745035.49	4.98808			
477015.66	3745168.64	4.98566	476433.55	
3744998.95	2.22425			
477469.06	3745076.86	4.37641	477469.36	
3745103.93	4.11098			
477470.51	3745126.80	3.89525	477594.70	
3745070.21	3.40327			
477649.52	3744560.98	4.47445	477647.52	
3744591.57	4.53483			
477648.60	3744619.76	4.53266	477647.83	
3744648.25	4.54026			
477146.84	3744132.25	6.11141	477147.86	
3744066.56	4.89467			
477147.35	3744041.93	4.53518	476685.99	
3744469.93	5.53640			
476485.33	3744603.88	2.97727	476555.37	
3744160.98	2.43565			
476555.17	3744124.59	2.30213	476708.76	
3744164.61	3.36989			
476605.31	3744108.33	2.48009	477233.14	
3744007.11	4.20061			
477233.51	3743914.78	3.29871	477354.60	
3743419.36	1.35441			
477195.95	3743347.28	1.20054	477137.19	
3743435.19	1.33299			
477985.54	3742759.23	0.61444	477985.54	
3742807.54	0.63670			
477983.73	3742852.83	0.65919	477247.56	
3742920.47	0.74778			
477338.15	3742649.32	0.59154	478077.34	
3742745.94	0.58979			
478076.73	3742704.27	0.57343	478073.71	
3742605.83	0.53718			



\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: LOAD \*\*\*

INCLUDING SOURCE(S): LOAD ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
477060.08	3744372.49	4.11413	477074.98	
3744372.30	4.21032			
477080.97	3744372.68	4.25412	477107.86	
3744373.84	4.44853			
477124.11	3744367.46	4.48100	477136.49	
3744374.23	4.65020			
477195.48	3744375.39	5.06514	477060.86	
3744356.05	3.95678			
477207.61	3744374.97	5.13901	477380.98	
3744305.37	4.84341			
477118.50	3744296.66	3.70203	477490.46	
3744455.43	8.26639			
477668.58	3744413.69	5.50300	476881.02	
3744148.03	2.00589			
477111.89	3745113.29	9.57313	477349.45	
3745114.03	18.23982			
477515.74	3745009.76	22.00010	477454.22	
3745035.49	26.54730			
477015.66	3745168.64	5.97902	476433.55	
3744998.95	1.56545			
477469.06	3745076.86	18.73152	477469.36	
3745103.93	15.87754			
477470.51	3745126.80	13.90062	477594.70	
3745070.21	11.34656			
477649.52	3744560.98	8.11719	477647.52	
3744591.57	8.74547			
477648.60	3744619.76	9.23483	477647.83	
3744648.25	9.79764			
477146.84	3744132.25	2.62754	477147.86	
3744066.56	2.30809			
477147.35	3744041.93	2.20246	476685.99	
3744469.93	2.25323			
476485.33	3744603.88	1.60810	476555.37	
3744160.98	1.27363			
476555.17	3744124.59	1.22304	476708.76	
3744164.61	1.60566			
476605.31	3744108.33	1.28566	477233.14	
3744007.11	2.17926			
477233.51	3743914.78	1.84795	477354.60	
3743419.36	0.96780			
477195.95	3743347.28	0.88860	477137.19	
3743435.19	0.94874			
477985.54	3742759.23	0.53942	477985.54	
3742807.54	0.55963			
477983.73	3742852.83	0.57990	477247.56	
3742920.47	0.61170			
477338.15	3742649.32	0.47721	478077.34	
3742745.94	0.52896			
478076.73	3742704.27	0.51328	478073.71	

3742605.83	0.47897		
477036.28	3742768.62	0.49945	477013.90
3742710.93	0.47260		
477018.00	3742667.43	0.45881	477016.74
3742615.41	0.44182		
477608.13	3744100.00	2.88021	476543.81
3745771.70	1.14138		
475779.08	3744884.39	0.56832	475780.97
3744834.81	0.56855		
475780.97	3744788.54	0.56705	475791.01
3744719.15	0.56931		
475791.45	3744684.67	0.56737	478158.55
3742338.43	0.39915		
477253.02	3745694.62	2.29587	477157.80
3745697.65	2.20533		
477155.10	3745664.56	2.34691	475761.72
3745017.99	0.56376		
475773.11	3745186.10	0.56841	475881.63
3745127.65	0.64861		
477597.84	3745096.57	10.23869	477596.59
3745123.34	9.38760		
477955.00	3744841.13	3.68023	477712.66
3744991.00	8.07603		
477936.51	3745026.40	3.65182	477736.89
3744807.33	7.83274		
477463.22	3745153.00	12.29591	477467.88
3745177.64	10.75600		
477469.21	3745209.27	9.25907	477462.72
3745231.24	8.49404		
477462.22	3745259.87	7.54510	477596.06
3745147.68	8.65327		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                  06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                  13:37:49

```

PAGE 63

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: LOAD \*\*\*  
INCLUDING SOURCE(S): LOAD ,

\*\*\* 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			

477594.39	3745174.64	7.93685	477595.23	
3745200.45	7.26787			
477594.73	3745227.25	6.67059	477595.56	
3745252.55	6.14484			

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                  06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                  13:37:49

```

PAGE 64

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: NEV100 \*\*\*

INCLUDING SOURCE(S) : L0001240 , L0001241 ,  
L0001242 , L0001243 , L0001244 ,  
L0001245 , L0001246 , L0001247 , L0001248 , L0001249 ,  
L0001250 , L0001251 , L0001252 ,  
L0001253 , L0001254 , L0001255 , L0001256 , L0001257 ,  
L0001258 , L0001259 , L0001260 ,  
L0001261 , L0001262 , L0001263 , L0001264 , L0001265 ,  
L0001266 , L0001267 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF DPM MICROGRAMS/M**3	IN		
X-COORD (M) (M)	Y-COORD (M) CONC	CONC		X-COORD (M)	Y-COORD
477060.08	3744372.49	46.37907		477074.98	
3744372.30	28.75604				
477080.97	3744372.68	24.92350		477107.86	
3744373.84	15.53350				
477124.11	3744367.46	12.71912		477136.49	
3744374.23	11.00720				
477195.48	3744375.39	6.83147		477060.86	
3744356.05	46.21431				
477207.61	3744374.97	6.33767		477380.98	
3744305.37	3.41222				
477118.50	3744296.66	14.69290		477490.46	
3744455.43	2.18967				
477668.58	3744413.69	1.69202		476881.02	
3744148.03	6.23395				
477111.89	3745113.29	1.03760		477349.45	
3745114.03	0.95429				
477515.74	3745009.76	0.99520		477454.22	
3745035.49	1.00316				
477015.66	3745168.64	0.95463		476433.55	
3744998.95	0.83828				
477469.06	3745076.86	0.94086		477469.36	
3745103.93	0.90864				
477470.51	3745126.80	0.88235		477594.70	
3745070.21	0.87704				
477649.52	3744560.98	1.49636		477647.52	
3744591.57	1.45180				
477648.60	3744619.76	1.40584		477647.83	
3744648.25	1.36358				
477146.84	3744132.25	12.97894		477147.86	
3744066.56	14.56047				
477147.35	3744041.93	15.63468		476685.99	
3744469.93	2.37413				
476485.33	3744603.88	1.30440		476555.37	
3744160.98	1.93658				
476555.17	3744124.59	1.94188		476708.76	
3744164.61	3.06761				
476605.31	3744108.33	2.22268		477233.14	
3744007.11	8.79456				
477233.51	3743914.78	10.66542		477354.60	
3743419.36	18.39268				
477195.95	3743347.28	10.25901		477137.19	
3743435.19	8.70715				
477985.54	3742759.23	7.93367		477985.54	
3742807.54	7.20432				
477983.73	3742852.83	6.59154		477247.56	
3742920.47	4.29722				
477338.15	3742649.32	3.63412		478077.34	
3742745.94	4.70040				

478076.73	3742704.27	4.81000	478073.71
3742605.83	4.79839		
477036.28	3742768.62	2.16724	477013.90
3742710.93	1.93683		
477018.00	3742667.43	1.85237	477016.74
3742615.41	1.73809		
477608.13	3744100.00	2.49460	476543.81
3745771.70	0.45706		
475779.08	3744884.39	0.47025	475780.97
3744834.81	0.47739		
475780.97	3744788.54	0.48323	475791.01
3744719.15	0.49650		
475791.45	3744684.67	0.50104	478158.55
3742338.43	2.45102		
477253.02	3745694.62	0.51121	477157.80
3745697.65	0.51421		
477155.10	3745664.56	0.53004	475761.72
3745017.99	0.44833		
475773.11	3745186.10	0.43195	475881.63
3745127.65	0.48190		
477597.84	3745096.57	0.84957	477596.59
3745123.34	0.82525		
477955.00	3744841.13	0.83976	477712.66
3744991.00	0.88074		
477936.51	3745026.40	0.72883	477736.89
3744807.33	1.04391		
477463.22	3745153.00	0.85741	477467.88
3745177.64	0.83022		
477469.21	3745209.27	0.79912	477462.72
3745231.24	0.78109		
477462.22	3745259.87	0.75600	477596.06
3745147.68	0.80369		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                  06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                  13:37:49

```

PAGE 65

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: NEV100 \*\*\*

INCLUDING SOURCE(S): L0001240 , L0001241 ,  
L0001242 , L0001243 , L0001244 ,  
L0001245 , L0001246 , L0001247 , L0001248 , L0001249 ,  
L0001250 , L0001251 , L0001252 ,  
L0001253 , L0001254 , L0001255 , L0001256 , L0001257 ,  
L0001258 , L0001259 , L0001260 ,  
L0001261 , L0001262 , L0001263 , L0001264 , L0001265 ,  
L0001266 , L0001267 , . . . ,

\*\*\* 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			

```

-----
477594.39 3745174.64 0.78122 477595.23
3745200.45 0.75967
477594.73 3745227.25 0.73875 477595.56
3745252.55 0.71924

```

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                  06/14/22

```



\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
 SOURCE GROUP: NEV50 \*\*\*

INCLUDING SOURCE(S): L0001211 , L0001212 ,  
 L0001213 , L0001214 , L0001215 ,  
 L0001216 , L0001217 , L0001218 , L0001219 , L0001220 ,  
 L0001221 , L0001222 , L0001223 ,  
 L0001224 , L0001225 , L0001226 , L0001227 , L0001228 ,  
 L0001229 , L0001230 , L0001231 ,  
 L0001232 , L0001233 , L0001234 , L0001235 , L0001236 ,  
 L0001237 , L0001238 , L0001239 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF DPM MICROGRAMS/M**3	IN		
X-COORD (M) (M)	Y-COORD (M) CONC	CONC		X-COORD (M)	Y-COORD
477060.08	3744372.49	14.28657		477074.98	
3744372.30	14.37304				
477080.97	3744372.68	14.42482		477107.86	
3744373.84	14.42629				
477124.11	3744367.46	13.71402		477136.49	
3744374.23	14.02015				
477195.48	3744375.39	12.42051		477060.86	
3744356.05	12.94452				
477207.61	3744374.97	11.98059		477380.98	
3744305.37	5.86236				
477118.50	3744296.66	9.58812		477490.46	
3744455.43	5.10634				
477668.58	3744413.69	3.01087		476881.02	
3744148.03	4.46171				
477111.89	3745113.29	7.53279		477349.45	
3745114.03	4.90067				
477515.74	3745009.76	4.02432		477454.22	
3745035.49	4.51794				
477015.66	3745168.64	6.26898		476433.55	
3744998.95	2.81703				
477469.06	3745076.86	4.03755		477469.36	
3745103.93	3.83999				
477470.51	3745126.80	3.67252		477594.70	
3745070.21	3.07524				
477649.52	3744560.98	3.42469		477647.52	
3744591.57	3.48133				
477648.60	3744619.76	3.49813		477647.83	
3744648.25	3.52358				
477146.84	3744132.25	5.12066		477147.86	
3744066.56	4.21296				
477147.35	3744041.93	3.93684		476685.99	
3744469.93	6.92113				
476485.33	3744603.88	3.74991		476555.37	
3744160.98	2.62484				
476555.17	3744124.59	2.45711		476708.76	
3744164.61	3.53488				
476605.31	3744108.33	2.60789		477233.14	
3744007.11	3.56843				
477233.51	3743914.78	2.88535		477354.60	
3743419.36	1.25312				

477195.95	3743347.28	1.13259	477137.19
3743435.19	1.25749		
477985.54	3742759.23	0.57401	477985.54
3742807.54	0.59328		
477983.73	3742852.83	0.61271	477247.56
3742920.47	0.71585		
477338.15	3742649.32	0.56863	478077.34
3742745.94	0.54993		
478076.73	3742704.27	0.53579	478073.71
3742605.83	0.50428		
477036.28	3742768.62	0.65732	477013.90
3742710.93	0.62319		
477018.00	3742667.43	0.60310	477016.74
3742615.41	0.57903		
477608.13	3744100.00	2.60373	476543.81
3745771.70	1.26100		
475779.08	3744884.39	0.82847	475780.97
3744834.81	0.83542		
475780.97	3744788.54	0.83806	475791.01
3744719.15	0.84956		
475791.45	3744684.67	0.84923	478158.55
3742338.43	0.41981		
477253.02	3745694.62	1.60366	477157.80
3745697.65	1.65261		
477155.10	3745664.56	1.74874	475761.72
3745017.99	0.79994		
475773.11	3745186.10	0.78560	475881.63
3745127.65	0.92669		
477597.84	3745096.57	2.95083	477596.59
3745123.34	2.85410		
477955.00	3744841.13	1.75460	477712.66
3744991.00	2.59785		
477936.51	3745026.40	1.67380	477736.89
3744807.33	2.75175		
477463.22	3745153.00	3.54957	477467.88
3745177.64	3.35922		
477469.21	3745209.27	3.15998	477462.72
3745231.24	3.06711		
477462.22	3745259.87	2.91053	477596.06
3745147.68	2.76341		

```

*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/14/22
*** AERMET - VERSION 16216 ***
*** ** 13:37:49

```

PAGE 67

```

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR
SOURCE GROUP: NEV50 ***
INCLUDING SOURCE(S): L0001211 , L0001212 ,
L0001213 , L0001214 , L0001215 ,
L0001216 , L0001217 , L0001218 , L0001219 , L0001220 ,
L0001221 , L0001222 , L0001223 ,
L0001224 , L0001225 , L0001226 , L0001227 , L0001228 ,
L0001229 , L0001230 , L0001231 ,
L0001232 , L0001233 , L0001234 , L0001235 , L0001236 ,
L0001237 , L0001238 , L0001239 ,

```

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M) Y-COORD (M) CONC X-COORD (M) Y-COORD (M)  
(M) CONC

-----  
-----  
477594.39 3745174.64 2.66992 477595.23  
3745200.45 2.57121  
477594.73 3745227.25 2.47783 477595.56  
3745252.55 2.38649

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* \*\*\* 13:37:49

PAGE 68

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*


\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: OFFRET \*\*\*  
INCLUDING SOURCE(S): L0001714 , L0001715 ,  
L0001716 , L0001717 , L0001718 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
477060.08	3744372.49	6.62919	477074.98	
3744372.30	6.67715			
477080.97	3744372.68	6.70467	477107.86	
3744373.84	6.79283			
477124.11	3744367.46	6.65180	477136.49	
3744374.23	6.81729			
477195.48	3744375.39	6.69544	477060.86	
3744356.05	6.24855			
477207.61	3744374.97	6.62520	477380.98	
3744305.37	4.34744			
477118.50	3744296.66	5.22907	477490.46	
3744455.43	4.33370			
477668.58	3744413.69	2.69901	476881.02	
3744148.03	3.00848			
477111.89	3745113.29	14.15073	477349.45	
3745114.03	7.00202			
477515.74	3745009.76	4.87938	477454.22	
3745035.49	5.77628			
477015.66	3745168.64	11.10743	476433.55	
3744998.95	3.17661			
477469.06	3745076.86	5.16794	477469.36	
3745103.93	4.94268			
477470.51	3745126.80	4.74057	477594.70	
3745070.21	3.65310			
477649.52	3744560.98	3.15986	477647.52	
3744591.57	3.24477			
477648.60	3744619.76	3.29691	477647.83	
3744648.25	3.36139			
477146.84	3744132.25	3.33787	477147.86	
3744066.56	2.86886			
477147.35	3744041.93	2.71912	476685.99	
3744469.93	4.98915			
476485.33	3744603.88	3.42251	476555.37	
3744160.98	2.05115			
476555.17	3744124.59	1.92597	476708.76	
3744164.61	2.55639			
476605.31	3744108.33	2.01191	477233.14	
3744007.11	2.54253			

477233.51	3743914.78	2.13136	477354.60
3743419.36	1.04189		
477195.95	3743347.28	0.94744	477137.19
3743435.19	1.03903		
477985.54	3742759.23	0.52008	477985.54
3742807.54	0.53706		
477983.73	3742852.83	0.55413	477247.56
3742920.47	0.62545		
477338.15	3742649.32	0.50597	478077.34
3742745.94	0.50164		
478076.73	3742704.27	0.48895	478073.71
3742605.83	0.46071		
477036.28	3742768.62	0.58258	477013.90
3742710.93	0.55428		
477018.00	3742667.43	0.53772	477016.74
3742615.41	0.51776		
477608.13	3744100.00	2.20626	476543.81
3745771.70	1.50846		
475779.08	3744884.39	0.83632	475780.97
3744834.81	0.83782		
475780.97	3744788.54	0.83557	475791.01
3744719.15	0.83998		
475791.45	3744684.67	0.83623	478158.55
3742338.43	0.38676		
477253.02	3745694.62	2.03112	477157.80
3745697.65	2.11065		
477155.10	3745664.56	2.25332	475761.72
3745017.99	0.82144		
475773.11	3745186.10	0.81916	475881.63
3745127.65	0.96915		
477597.84	3745096.57	3.52451	477596.59
3745123.34	3.43127		
477955.00	3744841.13	1.79910	477712.66
3744991.00	2.88489		
477936.51	3745026.40	1.79629	477736.89
3744807.33	2.82918		
477463.22	3745153.00	4.61740	477467.88
3745177.64	4.36314		
477469.21	3745209.27	4.10399	477462.72
3745231.24	3.99720		
477462.22	3745259.87	3.78927	477596.06
3745147.68	3.33818		


**\*\*\* AERMOD - VERSION 21112 \*\*\***      **\*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998**  
**Ops\13998 Ops. \*\*\***      06/14/22  
**\*\*\* AERMET - VERSION 16216 \*\*\***  
**\*\*\***      **\*\*\***      **13:37:49**

PAGE 69

**\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\***

**\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR**  
**SOURCE GROUP: OFFRET \*\*\***  
 INCLUDING SOURCE(S): L0001714 , L0001715 ,  
 L0001716 , L0001717 , L0001718 ,

**\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\***

**\*\* CONC OF DPM IN**  
**MICROGRAMS/M\*\*\***      **\*\***

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
(M)	CONC			
477594.39	3745174.64	3.24108	477595.23	
3745200.45	3.13011			

477594.73 3745227.25 3.02489 477595.56  
3745252.55 2.91757

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 70

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: ONE \*\*\*

INCLUDING SOURCE(S): L0001141 , L0001142 ,  
L0001143 , L0001144 , L0001145 ,  
L0001146 , L0001147 , L0001148 , L0001149 , L0001150 ,  
L0001151 , L0001152 , L0001153 ,  
L0001154 , L0001155 , L0001156 , L0001157 , L0001158 ,  
L0001159 , L0001160 , L0001161 ,  
L0001162 , L0001163 , L0001164 , L0001165 , L0001166 ,  
L0001167 , L0001168 , . . . ,

\*\*\* 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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)
477060.08	3744372.49	6.40130	477074.98	
3744372.30	6.65392			
477080.97	3744372.68	6.76808	477107.86	
3744373.84	7.30651			
477124.11	3744367.46	7.48847	477136.49	
3744374.23	7.93007			
477195.48	3744375.39	9.45697	477060.86	
3744356.05	6.13304			
477207.61	3744374.97	9.78933	477380.98	
3744305.37	9.61780			
477118.50	3744296.66	5.90055	477490.46	
3744455.43	18.37279			
477668.58	3744413.69	6.94794	476881.02	
3744148.03	2.73216			
477111.89	3745113.29	8.10166	477349.45	
3745114.03	9.12499			
477515.74	3745009.76	9.97982	477454.22	
3745035.49	10.89221			
477015.66	3745168.64	5.43654	476433.55	
3744998.95	1.69086			
477469.06	3745076.86	8.72565	477469.36	
3745103.93	7.82200			
477470.51	3745126.80	7.15138	477594.70	
3745070.21	6.39416			
477649.52	3744560.98	9.30231	477647.52	
3744591.57	9.65487			
477648.60	3744619.76	9.77736	477647.83	
3744648.25	9.92966			
477146.84	3744132.25	3.85374	477147.86	
3744066.56	3.27331			
477147.35	3744041.93	3.08753	476685.99	
3744469.93	2.81738			
476485.33	3744603.88	1.88930	476555.37	
3744160.98	1.54428			
476555.17	3744124.59	1.48158	476708.76	
3744164.61	2.02839			

476605.31	3744108.33	1.57587	477233.14
3744007.11	3.05874		
477233.51	3743914.78	2.49244	477354.60
3743419.36	1.16378		
477195.95	3743347.28	1.02637	477137.19
3743435.19	1.12750		
477985.54	3742759.23	0.59784	477985.54
3742807.54	0.62131		
477983.73	3742852.83	0.64496	477247.56
3742920.47	0.68735		
477338.15	3742649.32	0.54044	478077.34
3742745.94	0.58248		
478076.73	3742704.27	0.56463	478073.71
3742605.83	0.52561		
477036.28	3742768.62	0.56543	477013.90
3742710.93	0.53321		
477018.00	3742667.43	0.51651	477016.74
3742615.41	0.49607		
477608.13	3744100.00	3.99706	476543.81
3745771.70	1.08573		
475779.08	3744884.39	0.60223	475780.97
3744834.81	0.60461		
475780.97	3744788.54	0.60475	475791.01
3744719.15	0.60983		
475791.45	3744684.67	0.60892	478158.55
3742338.43	0.43342		
477253.02	3745694.62	1.83450	477157.80
3745697.65	1.80515		
477155.10	3745664.56	1.91236	475761.72
3745017.99	0.59060		
475773.11	3745186.10	0.58811	475881.63
3745127.65	0.67514		
477597.84	3745096.57	5.89092	477596.59
3745123.34	5.49092		
477955.00	3744841.13	3.15958	477712.66
3744991.00	5.39941		
477936.51	3745026.40	2.87875	477736.89
3744807.33	6.32297		
477463.22	3745153.00	6.58342	477467.88
3745177.64	5.99237		
477469.21	3745209.27	5.38480	477462.72
3745231.24	5.06522		
477462.22	3745259.87	4.64285	477596.06
3745147.68	5.14759		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                   06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                               13:37:49

```

PAGE 71

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: ONE \*\*\*

INCLUDING SOURCE(S): L0001141 , L0001142 ,  
L0001143 , L0001144 , L0001145 ,  
L0001146 , L0001147 , L0001148 , L0001149 , L0001150 ,  
L0001151 , L0001152 , L0001153 ,  
L0001154 , L0001155 , L0001156 , L0001157 , L0001158 ,  
L0001159 , L0001160 , L0001161 ,  
L0001162 , L0001163 , L0001164 , L0001165 , L0001166 ,  
L0001167 , L0001168 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN

MICROGRAMS/M\*\*3

\*\*

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
--------------------	---------------------	------	-------------	---------

477594.39	3745174.64	4.80866	477595.23	
3745200.45	4.49057			
477594.73	3745227.25	4.20022	477595.56	
3745252.55	3.93992			

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\*

\*\*\*

13:37:49

PAGE 72

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
 SOURCE GROUP: ONRET \*\*\*

INCLUDING SOURCE(S): L0001632 , L0001633 ,  
 L0001634 , L0001635 , L0001636 ,  
 L0001637 , L0001638 , L0001639 , L0001640 , L0001641 ,  
 L0001642 , L0001643 , L0001644 ,  
 L0001645 , L0001646 , L0001647 , L0001648 , L0001649 ,  
 L0001650 , L0001651 , L0001652 ,  
 L0001653 , L0001654 , L0001655 , L0001656 , L0001657 ,  
 L0001658 , L0001659 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN  
 MICROGRAMS/M\*\*3

\*\*

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
--------------------	---------------------	------	-------------	---------

477060.08	3744372.49	5.10301	477074.98	
3744372.30	5.19321			
477080.97	3744372.68	5.23627	477107.86	
3744373.84	5.41837			
477124.11	3744367.46	5.40053	477136.49	
3744374.23	5.58940			
477195.48	3744375.39	5.89045	477060.86	
3744356.05	4.86098			
477207.61	3744374.97	5.92794	477380.98	
3744305.37	4.85736			
477118.50	3744296.66	4.34004	477490.46	
3744455.43	6.74413			
477668.58	3744413.69	4.17476	476881.02	
3744148.03	2.42658			
477111.89	3745113.29	13.94228	477349.45	
3745114.03	13.15649			
477515.74	3745009.76	11.80845	477454.22	
3745035.49	14.26741			
477015.66	3745168.64	8.81145	476433.55	
3744998.95	2.14723			
477469.06	3745076.86	11.12363	477469.36	
3745103.93	9.93831			
477470.51	3745126.80	9.05028	477594.70	
3745070.21	7.08312			
477649.52	3744560.98	5.56739	477647.52	
3744591.57	5.87317			
477648.60	3744619.76	6.09604	477647.83	
3744648.25	6.35829			

477146.84	3744132.25	2.92787	477147.86
3744066.56	2.54371		
477147.35	3744041.93	2.41896	476685.99
3744469.93	3.14737		
476485.33	3744603.88	2.22955	476555.37
3744160.98	1.56434		
476555.17	3744124.59	1.48737	476708.76
3744164.61	1.96795		
476605.31	3744108.33	1.55923	477233.14
3744007.11	2.34311		
477233.51	3743914.78	1.97270	477354.60
3743419.36	1.00001		
477195.95	3743347.28	0.89862	477137.19
3743435.19	0.98791		
477985.54	3742759.23	0.53230	477985.54
3742807.54	0.55129		
477983.73	3742852.83	0.57036	477247.56
3742920.47	0.61249		
477338.15	3742649.32	0.49094	478077.34
3742745.94	0.51849		
478076.73	3742704.27	0.50398	478073.71
3742605.83	0.47202		
477036.28	3742768.62	0.53378	477013.90
3742710.93	0.50606		
477018.00	3742667.43	0.49111	477016.74
3742615.41	0.47287		
477608.13	3744100.00	2.64284	476543.81
3745771.70	1.30895		
475779.08	3744884.39	0.67157	475780.97
3744834.81	0.67209		
475780.97	3744788.54	0.67016	475791.01
3744719.15	0.67301		
475791.45	3744684.67	0.67032	478158.55
3742338.43	0.39433		
477253.02	3745694.62	2.22923	477157.80
3745697.65	2.22365		
477155.10	3745664.56	2.37468	475761.72
3745017.99	0.66388		
475773.11	3745186.10	0.66679	475881.63
3745127.65	0.77303		
477597.84	3745096.57	6.57589	477596.59
3745123.34	6.18831		
477955.00	3744841.13	2.72388	477712.66
3744991.00	5.25046		
477936.51	3745026.40	2.70708	477736.89
3744807.33	5.14287		
477463.22	3745153.00	8.35870	477467.88
3745177.64	7.54916		
477469.21	3745209.27	6.74498	477462.72
3745231.24	6.35166		
477462.22	3745259.87	5.79592	477596.06
3745147.68	5.84000		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                  06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                13:37:49

```

PAGE 73

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: ONRET \*\*\*

INCLUDING SOURCE(S): L0001632 , L0001633 ,  
L0001634 , L0001635 , L0001636 ,  
L0001637 , L0001638 , L0001639 , L0001640 , L0001641 ,  
L0001642 , L0001643 , L0001644 ,



L0001645 , L0001646 , L0001647 , L0001648 , L0001649 ,  
 L0001650 , L0001651 , L0001652 ,  
 L0001653 , L0001654 , L0001655 , L0001656 , L0001657 ,  
 L0001658 , L0001659 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
 MICROGRAMS/M\*\*3

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
--------------------	---------------------	------	-------------	---------

477594.39	3745174.64	5.49200	477595.23	
3745200.45	5.14701			
477594.73	3745227.25	4.83173	477595.56	
3745252.55	4.54056			

\*\*\* AERMOD - VERSION 21112 \*\*\*  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 \*\*\* 13:37:49

PAGE 74

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
 SOURCE GROUP: ONW \*\*\*

INCLUDING SOURCE(S): L0001097 , L0001098 ,  
 L0001099 , L0001100 , L0001101 ,  
 L0001102 , L0001103 , L0001104 , L0001105 , L0001106 ,  
 L0001107 , L0001108 , L0001109 ,  
 L0001110 , L0001111 , L0001112 , L0001113 , L0001114 ,  
 L0001115 , L0001116 , L0001117 ,  
 L0001118 , L0001119 , L0001120 , L0001121 , L0001122 ,  
 L0001123 , L0001124 , . . . ,


\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
 MICROGRAMS/M\*\*3

X-COORD (M) (M)	Y-COORD (M) CONC	CONC	X-COORD (M)	Y-COORD
--------------------	---------------------	------	-------------	---------

477060.08	3744372.49	18.93564	477074.98	
3744372.30	19.71913			
477080.97	3744372.68	20.08453	477107.86	
3744373.84	21.38473			
477124.11	3744367.46	20.54350	477136.49	
3744374.23	21.80605			
477195.48	3744375.39	19.66719	477060.86	
3744356.05	16.75568			
477207.61	3744374.97	18.82423	477380.98	
3744305.37	7.78488			
477118.50	3744296.66	12.40683	477490.46	
3744455.43	6.64124			
477668.58	3744413.69	3.62946	476881.02	
3744148.03	4.65790			
477111.89	3745113.29	7.00166	477349.45	
3745114.03	5.12284			
477515.74	3745009.76	4.45980	477454.22	
3745035.49	4.95298			
477015.66	3745168.64	5.49854	476433.55	
3744998.95	2.36057			

477469.06	3745076.86	4.36398	477469.36
3745103.93	4.11368		
477470.51	3745126.80	3.90730	477594.70
3745070.21	3.34683		
477649.52	3744560.98	4.13705	477647.52
3744591.57	4.19601		
477648.60	3744619.76	4.20074	477647.83
3744648.25	4.21545		
477146.84	3744132.25	5.94236	477147.86
3744066.56	4.76840		
477147.35	3744041.93	4.42158	476685.99
3744469.93	5.82126		
476485.33	3744603.88	3.13456	476555.37
3744160.98	2.47928		
476555.17	3744124.59	2.33779	476708.76
3744164.61	3.41512		
476605.31	3744108.33	2.51237	477233.14
3744007.11	4.06099		
477233.51	3743914.78	3.20474	477354.60
3743419.36	1.32775		
477195.95	3743347.28	1.18269	477137.19
3743435.19	1.31356		
477985.54	3742759.23	0.60299	477985.54
3742807.54	0.62440		
477983.73	3742852.83	0.64602	477247.56
3742920.47	0.73885		
477338.15	3742649.32	0.58500	478077.34
3742745.94	0.57847		
478076.73	3742704.27	0.56274	478073.71
3742605.83	0.52784		
477036.28	3742768.62	0.66416	477013.90
3742710.93	0.62724		
477018.00	3742667.43	0.60652	477016.74
3742615.41	0.58160		
477608.13	3744100.00	3.08613	476543.81
3745771.70	1.15580		
475779.08	3744884.39	0.75860	475780.97
3744834.81	0.76552		
475780.97	3744788.54	0.76876	475791.01
3744719.15	0.78029		
475791.45	3744684.67	0.78079	478158.55
3742338.43	0.43671		
477253.02	3745694.62	1.55728	477157.80
3745697.65	1.58875		
477155.10	3745664.56	1.67919	475761.72
3745017.99	0.73258		
475773.11	3745186.10	0.71985	475881.63
3745127.65	0.84173		
477597.84	3745096.57	3.19071	477596.59
3745123.34	3.06665		
477955.00	3744841.13	1.94081	477712.66
3744991.00	2.86773		
477936.51	3745026.40	1.81510	477736.89
3744807.33	3.13984		
477463.22	3745153.00	3.74481	477467.88
3745177.64	3.52328		
477469.21	3745209.27	3.28993	477462.72
3745231.24	3.17481		
477462.22	3745259.87	2.99530	477596.06
3745147.68	2.95294		

 \*\*\* AERMOD - VERSION 21112 \*\*\*  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*

\*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

\*\*\*

13:37:49

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ONW \*\*\*

INCLUDING SOURCE(S): L0001097 , L0001098 , L0001099 , L0001100 , L0001101 , L0001102 , L0001103 , L0001104 , L0001105 , L0001106 , L0001107 , L0001108 , L0001109 , L0001110 , L0001111 , L0001112 , L0001113 , L0001114 , L0001115 , L0001116 , L0001117 , L0001118 , L0001119 , L0001120 , L0001121 , L0001122 , L0001123 , L0001124 , . . .

\*\*\* 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. Data rows include coordinates and concentration values like 477594.39, 3745174.64, 2.83639, 477595.23.

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998 Ops\13998 Ops. \*\*\* 06/14/22 \*\*\* AERMET - VERSION 16216 \*\*\* \*\*\* 13:37:49

PAGE 76

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: REF1 \*\*\*


INCLUDING SOURCE(S): REF1 ,

\*\*\* 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. Data rows include coordinates and concentration values like 477060.08, 3744372.49, 4.01026, 477074.98.

3744998.95	1.66716		
477469.06	3745076.86	19.69652	477469.36
3745103.93	16.67457		
477470.51	3745126.80	14.56916	477594.70
3745070.21	11.43255		
477649.52	3744560.98	7.70191	477647.52
3744591.57	8.23283		
477648.60	3744619.76	8.63627	477647.83
3744648.25	9.11665		
477146.84	3744132.25	2.54614	477147.86
3744066.56	2.23868		
477147.35	3744041.93	2.13705	476685.99
3744469.93	2.34436		
476485.33	3744603.88	1.71655	476555.37
3744160.98	1.35113		
476555.17	3744124.59	1.29595	476708.76
3744164.61	1.65930		
476605.31	3744108.33	1.35600	477233.14
3744007.11	2.10964		
477233.51	3743914.78	1.79240	477354.60
3743419.36	0.94574		
477195.95	3743347.28	0.84698	477137.19
3743435.19	0.91522		
477985.54	3742759.23	0.53711	477985.54
3742807.54	0.55759		
477983.73	3742852.83	0.57808	477247.56
3742920.47	0.57935		
477338.15	3742649.32	0.46889	478077.34
3742745.94	0.52898		
478076.73	3742704.27	0.51295	478073.71
3742605.83	0.47791		
477036.28	3742768.62	0.49505	477013.90
3742710.93	0.46951		
477018.00	3742667.43	0.45543	477016.74
3742615.41	0.43835		
477608.13	3744100.00	2.84816	476543.81
3745771.70	1.15262		
475779.08	3744884.39	0.58657	475780.97
3744834.81	0.58686		
475780.97	3744788.54	0.58582	475791.01
3744719.15	0.58907		
475791.45	3744684.67	0.58721	478158.55
3742338.43	0.39830		
477253.02	3745694.62	2.37275	477157.80
3745697.65	2.28564		
477155.10	3745664.56	2.43514	475761.72
3745017.99	0.58501		
475773.11	3745186.10	0.59111	475881.63
3745127.65	0.67762		
477597.84	3745096.57	10.35514	477596.59
3745123.34	9.53063		
477955.00	3744841.13	3.58450	477712.66
3744991.00	7.94169		
477936.51	3745026.40	3.60175	477736.89
3744807.33	7.48139		
477463.22	3745153.00	12.87816	477467.88
3745177.64	11.22673		
477469.21	3745209.27	9.63289	477462.72
3745231.24	8.82679		
477462.22	3745259.87	7.82121	477596.06
3745147.68	8.80872		


 \*\*\* AERMOD - VERSION 21112 \*\*\*  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*

\*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

\*\*\*

13:37:49

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: REF1 \*\*\*  
INCLUDING SOURCE(S): REF1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
477594.39	3745174.64	8.09925	477595.23	
3745200.45	7.42559			
477594.73	3745227.25	6.82155	477595.56	
3745252.55	6.28607			

\*\*\* AERMOD - VERSION 21112 \*\*\*  
 Ops\13998 Ops. \*\*\* 06/14/22 \*\*\*  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 \*\*\* 13:37:49

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: REF2 \*\*\*  
INCLUDING SOURCE(S): REF2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
477060.08	3744372.49	3.90496	477074.98	
3744372.30	3.99229			
477080.97	3744372.68	4.03208	477107.86	
3744373.84	4.20817			
477124.11	3744367.46	4.23582	477136.49	
3744374.23	4.38981			
477195.48	3744375.39	4.76136	477060.86	
3744356.05	3.75880			
477207.61	3744374.97	4.82721	477380.98	
3744305.37	4.59210			
477118.50	3744296.66	3.51590	477490.46	
3744455.43	8.06937			
477668.58	3744413.69	5.60205	476881.02	
3744148.03	1.98704			
477111.89	3745113.29	9.52792	477349.45	
3745114.03	20.05794			
477515.74	3745009.76	25.17271	477454.22	
3745035.49	30.89365			
477015.66	3745168.64	5.93332	476433.55	
3744998.95	1.60507			
477469.06	3745076.86	21.13444	477469.36	
3745103.93	17.66594			
477470.51	3745126.80	15.31081	477594.70	
3745070.21	12.38650			
477649.52	3744560.98	8.21617	477647.52	

3744591.57	8.83387		
477648.60	3744619.76	9.31156	477647.83
3744648.25	9.87461		
477146.84	3744132.25	2.51157	477147.86
3744066.56	2.21162		
477147.35	3744041.93	2.11223	476685.99
3744469.93	2.24982		
476485.33	3744603.88	1.65394	476555.37
3744160.98	1.31057		
476555.17	3744124.59	1.25527	476708.76
3744164.61	1.61629		
476605.31	3744108.33	1.32035	477233.14
3744007.11	2.08905		
477233.51	3743914.78	1.77695	477354.60
3743419.36	0.94150		
477195.95	3743347.28	0.84502	477137.19
3743435.19	0.91078		
477985.54	3742759.23	0.53752	477985.54
3742807.54	0.55810		
477983.73	3742852.83	0.57868	477247.56
3742920.47	0.57974		
477338.15	3742649.32	0.46751	478077.34
3742745.94	0.52980		
478076.73	3742704.27	0.51366	478073.71
3742605.83	0.47840		
477036.28	3742768.62	0.49155	477013.90
3742710.93	0.46510		
477018.00	3742667.43	0.45123	477016.74
3742615.41	0.43434		
477608.13	3744100.00	2.85753	476543.81
3745771.70	1.13158		
475779.08	3744884.39	0.57271	475780.97
3744834.81	0.57298		
475780.97	3744788.54	0.57201	475791.01
3744719.15	0.57526		
475791.45	3744684.67	0.57351	478158.55
3742338.43	0.39866		
477253.02	3745694.62	2.36454	477157.80
3745697.65	2.26345		
477155.10	3745664.56	2.40872	475761.72
3745017.99	0.57140		
475773.11	3745186.10	0.57735	475881.63
3745127.65	0.66043		
477597.84	3745096.57	11.12845	477596.59
3745123.34	10.16741		
477955.00	3744841.13	3.76663	477712.66
3744991.00	8.58100		
477936.51	3745026.40	3.78017	477736.89
3744807.33	8.08246		
477463.22	3745153.00	13.40984	477467.88
3745177.64	11.63741		
477469.21	3745209.27	9.93190	477462.72
3745231.24	9.06389		
477462.22	3745259.87	8.00498	477596.06
3745147.68	9.33960		

```

*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/14/22
*** AERMET - VERSION 16216 ***
***
***

```

13:37:49

PAGE 79

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: REF2 \*\*\*  
INCLUDING SOURCE(S): REF2 ,

\*\*\* 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

```

-----
477594.39 3745174.64 8.53386 477595.23
3745200.45 7.78263
477594.73 3745227.25 7.11409 477595.56
3745252.55 6.52940
  
```

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 13:37:49

PAGE 80

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
 SOURCE GROUP: SPILL1 \*\*\*  
 INCLUDING SOURCE(S): SPILL1 ,

\*\*\* 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

```

-----
477060.08 3744372.49 3.99653 477074.98
3744372.30 4.08332
477080.97 3744372.68 4.12305 477107.86
3744373.84 4.29784
477124.11 3744367.46 4.32019 477136.49
3744374.23 4.47610
477195.48 3744375.39 4.83623 477060.86
3744356.05 3.84215
477207.61 3744374.97 4.89870 477380.98
3744305.37 4.61169
477118.50 3744296.66 3.57150 477490.46
3744455.43 8.08435
477668.58 3744413.69 5.44941 476881.02
3744148.03 2.03827
477111.89 3745113.29 10.15715 477349.45
3745114.03 20.07185
477515.74 3745009.76 22.30543 477454.22
3745035.49 28.14223
477015.66 3745168.64 6.23417 476433.55
3744998.95 1.68340
477469.06 3745076.86 19.70181 477469.36
3745103.93 16.66957
477470.51 3745126.80 14.55693 477594.70
3745070.21 11.41040
477649.52 3744560.98 7.66956 477647.52
3744591.57 8.16935
477648.60 3744619.76 8.54798 477647.83
3744648.25 9.01292
477146.84 3744132.25 2.53219 477147.86
3744066.56 2.22616
477147.35 3744041.93 2.12507 476685.99
  
```

3744469.93	2.37503		
476485.33	3744603.88	1.72862	476555.37
3744160.98	1.35836		
476555.17	3744124.59	1.30509	476708.76
3744164.61	1.67150		
476605.31	3744108.33	1.36297	477233.14
3744007.11	2.09565		
477233.51	3743914.78	1.78081	477354.60
3743419.36	0.94091		
477195.95	3743347.28	0.83491	477137.19
3743435.19	0.90550		
477985.54	3742759.23	0.53677	477985.54
3742807.54	0.55752		
477983.73	3742852.83	0.57826	477247.56
3742920.47	0.56978		
477338.15	3742649.32	0.46670	478077.34
3742745.94	0.53014		
478076.73	3742704.27	0.51379	478073.71
3742605.83	0.47808		
477036.28	3742768.62	0.49170	477013.90
3742710.93	0.46855		
477018.00	3742667.43	0.45434	477016.74
3742615.41	0.43715		
477608.13	3744100.00	2.86313	476543.81
3745771.70	1.15521		
475779.08	3744884.39	0.58836	475780.97
3744834.81	0.58882		
475780.97	3744788.54	0.58870	475791.01
3744719.15	0.59342		
475791.45	3744684.67	0.59178	478158.55
3742338.43	0.39831		
477253.02	3745694.62	2.38009	477157.80
3745697.65	2.29609		
477155.10	3745664.56	2.44581	475761.72
3745017.99	0.58992		
475773.11	3745186.10	0.59468	475881.63
3745127.65	0.68317		
477597.84	3745096.57	10.33788	477596.59
3745123.34	9.51898		
477955.00	3744841.13	3.57707	477712.66
3744991.00	7.93127		
477936.51	3745026.40	3.59639	477736.89
3744807.33	7.45366		
477463.22	3745153.00	12.85370	477467.88
3745177.64	11.20161		
477469.21	3745209.27	9.60607	477462.72
3745231.24	8.79727		
477462.22	3745259.87	7.79271	477596.06
3745147.68	8.80198		

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22

\*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*

\*\*\* 13:37:49

PAGE 81

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
 SOURCE GROUP: SPILL1 \*\*\*  
 INCLUDING SOURCE(S): SPILL1 ,


\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
 MICROGRAMS/M\*\*3





3744007.11	2.07552		
477233.51	3743914.78	1.76566	477354.60
3743419.36	0.93653		
477195.95	3743347.28	0.83473	477137.19
3743435.19	0.90151		
477985.54	3742759.23	0.53693	477985.54
3742807.54	0.55774		
477983.73	3742852.83	0.57853	477247.56
3742920.47	0.57153		
477338.15	3742649.32	0.46529	478077.34
3742745.94	0.53063		
478076.73	3742704.27	0.51419	478073.71
3742605.83	0.47832		
477036.28	3742768.62	0.48904	477013.90
3742710.93	0.46428		
477018.00	3742667.43	0.45025	477016.74
3742615.41	0.43326		
477608.13	3744100.00	2.86775	476543.81
3745771.70	1.13050		
475779.08	3744884.39	0.57422	475780.97
3744834.81	0.57465		
475780.97	3744788.54	0.57462	475791.01
3744719.15	0.57938		
475791.45	3744684.67	0.57786	478158.55
3742338.43	0.39848		
477253.02	3745694.62	2.37358	477157.80
3745697.65	2.27284		
477155.10	3745664.56	2.41796	475761.72
3745017.99	0.57605		
475773.11	3745186.10	0.58059	475881.63
3745127.65	0.66556		
477597.84	3745096.57	11.11184	477596.59
3745123.34	10.15763		
477955.00	3744841.13	3.75847	477712.66
3744991.00	8.56876		
477936.51	3745026.40	3.77443	477736.89
3744807.33	8.04989		
477463.22	3745153.00	13.36930	477467.88
3745177.64	11.59959		
477469.21	3745209.27	9.89580	477462.72
3745231.24	9.02738		
477462.22	3745259.87	7.97143	477596.06
3745147.68	9.33492		


 \*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\*      06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      13:37:49

PAGE 83

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION      VALUES AVERAGED OVER      5 YEARS FOR  
 SOURCE GROUP: SPILL2      \*\*\*  
                                  INCLUDING SOURCE(S):      SPILL2      ,

\*\*\* 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			
477594.39	3745174.64	8.53294	477595.23	
3745200.45	7.78267			

477594.73 3745227.25 7.11360 477595.56  
3745252.55 6.52794

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 84

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: TLB \*\*\*  
INCLUDING SOURCE(S): TLB ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
477060.08	3744372.49	12.07597	477074.98	
3744372.30	12.71431			
477080.97	3744372.68	13.00566	477107.86	
3744373.84	14.33514			
477124.11	3744367.46	14.56807	477136.49	
3744374.23	15.72547			
477195.48	3744375.39	18.20393	477060.86	
3744356.05	11.24709			
477207.61	3744374.97	18.48975	477380.98	
3744305.37	11.28117			
477118.50	3744296.66	10.02409	477490.46	
3744455.43	13.05049			
477668.58	3744413.69	5.70237	476881.02	
3744148.03	3.87502			
477111.89	3745113.29	5.39904	477349.45	
3745114.03	5.34545			
477515.74	3745009.76	5.67237	477454.22	
3745035.49	5.96872			
477015.66	3745168.64	4.13338	476433.55	
3744998.95	1.75969			
477469.06	3745076.86	5.12351	477469.36	
3745103.93	4.73839			
477470.51	3745126.80	4.43937	477594.70	
3745070.21	4.12898			
477649.52	3744560.98	6.84522	477647.52	
3744591.57	6.95690			
477648.60	3744619.76	6.93320	477647.83	
3744648.25	6.91962			
477146.84	3744132.25	5.52298	477147.86	
3744066.56	4.51051			
477147.35	3744041.93	4.20212	476685.99	
3744469.93	3.71472			
476485.33	3744603.88	2.20502	476555.37	
3744160.98	1.92499			
476555.17	3744124.59	1.84201	476708.76	
3744164.61	2.66880			
476605.31	3744108.33	1.98280	477233.14	
3744007.11	4.04045			
477233.51	3743914.78	3.19106	477354.60	
3743419.36	1.34671			
477195.95	3743347.28	1.17884	477137.19	
3743435.19	1.30041			
477985.54	3742759.23	0.63147	477985.54	

3742807.54	0.65583		
477983.73	3742852.83	0.68048	477247.56
3742920.47	0.74053		
477338.15	3742649.32	0.58844	478077.34
3742745.94	0.60957		
478076.73	3742704.27	0.59141	478073.71
3742605.83	0.55155		
477036.28	3742768.62	0.64019	477013.90
3742710.93	0.60203		
477018.00	3742667.43	0.58214	477016.74
3742615.41	0.55788		
477608.13	3744100.00	4.08486	476543.81
3745771.70	1.01479		
475779.08	3744884.39	0.63972	475780.97
3744834.81	0.64508		
475780.97	3744788.54	0.64770	475791.01
3744719.15	0.65686		
475791.45	3744684.67	0.65747	478158.55
3742338.43	0.45308		
477253.02	3745694.62	1.50953	477157.80
3745697.65	1.50441		
477155.10	3745664.56	1.58443	475761.72
3745017.99	0.61970		
475773.11	3745186.10	0.61075	475881.63
3745127.65	0.70334		
477597.84	3745096.57	3.87170	477596.59
3745123.34	3.66102		
477955.00	3744841.13	2.51631	477712.66
3744991.00	3.72609		
477936.51	3745026.40	2.24794	477736.89
3744807.33	4.48303		
477463.22	3745153.00	4.17694	477467.88
3745177.64	3.89281		
477469.21	3745209.27	3.58905	477462.72
3745231.24	3.42503		
477462.22	3745259.87	3.20117	477596.06
3745147.68	3.47772		

\*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops.      \*\*\*      06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      13:37:49

PAGE 85

\*\*\* MODELOPTs:      RegDEFAULT      CONC      ELEV      URBAN      ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION      VALUES AVERAGED OVER      5 YEARS FOR  
 SOURCE GROUP: TLB      \*\*\*  
                                  INCLUDING SOURCE(S):      TLB      ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM      IN  
 MICROGRAMS/M\*\*3      \*\*

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD
---	---	---	---	---
---	---	---	---	---
477594.39	3745174.64	3.29353	477595.23	
3745200.45	3.11837			
477594.73	3745227.25	2.95534	477595.56	
3745252.55	2.80644			

\*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops.      \*\*\*      06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      13:37:49

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0001027 , L0001028 ,  
L0001029 , L0001030 , L0001031 ,  
L0001032 , L0001033 , L0001034 , L0001035 , L0001036 ,  
L0001037 , L0001038 , L0001039 ,  
L0001040 , L0001041 , L0001042 , L0001043 , L0001044 ,  
L0001045 , L0001046 , L0001047 ,  
L0001048 , L0001049 , L0001050 , L0001051 , L0001052 ,  
L0001053 , L0001054 , . . . ,

\*\*\* 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			
477060.08	3744372.49	237.65884	477074.98	
3744372.30	225.24056			
477080.97	3744372.68	223.84443	477107.86	
3744373.84	223.81162			
477124.11	3744367.46	217.63642	477136.49	
3744374.23	225.49631			
477195.48	3744375.39	223.80081	477060.86	
3744356.05	223.10138			
477207.61	3744374.97	221.84623	477380.98	
3744305.37	152.19885			
477118.50	3744296.66	162.58462	477490.46	
3744455.43	208.93364			
477668.58	3744413.69	118.79954	476881.02	
3744148.03	76.65289			
477111.89	3745113.29	273.03097	477349.45	
3745114.03	328.26678			
477515.74	3745009.76	347.12341	477454.22	
3745035.49	421.80988			
477015.66	3745168.64	180.17301	476433.55	
3744998.95	51.70437			
477469.06	3745076.86	309.38458	477469.36	
3745103.93	268.62610			
477470.51	3745126.80	239.81974	477594.70	
3745070.21	192.58858			
477649.52	3744560.98	158.72407	477647.52	
3744591.57	167.11722			
477648.60	3744619.76	172.90619	477647.83	
3744648.25	179.78700			
477146.84	3744132.25	101.70700	477147.86	
3744066.56	89.65116			
477147.35	3744041.93	86.45895	476685.99	
3744469.93	90.14769			
476485.33	3744603.88	58.02181	476555.37	
3744160.98	44.30348			
476555.17	3744124.59	42.21551	476708.76	
3744164.61	57.95703			
476605.31	3744108.33	44.80190	477233.14	
3744007.11	76.63294			
477233.51	3743914.78	66.58159	477354.60	
3743419.36	45.17280			
477195.95	3743347.28	34.28283	477137.19	
3743435.19	34.98371			

477985.54	3742759.23	21.78363	477985.54
3742807.54	21.56049		
477983.73	3742852.83	21.45639	477247.56
3742920.47	20.29784		
477338.15	3742649.32	16.44199	478077.34
3742745.94	18.17937		
478076.73	3742704.27	17.90326	478073.71
3742605.83	17.04321		
477036.28	3742768.62	16.01757	477013.90
3742710.93	15.05067		
477018.00	3742667.43	14.56472	477016.74
3742615.41	13.96229		
477608.13	3744100.00	75.53769	476543.81
3745771.70	30.85196		
475779.08	3744884.39	16.99387	475780.97
3744834.81	17.05170		
475780.97	3744788.54	17.04794	475791.01
3744719.15	17.18655		
475791.45	3744684.67	17.14947	478158.55
3742338.43	12.63983		
477253.02	3745694.62	52.67815	477157.80
3745697.65	52.07364		
477155.10	3745664.56	55.41425	475761.72
3745017.99	16.70986		
475773.11	3745186.10	16.68853	475881.63
3745127.65	19.30566		
477597.84	3745096.57	176.60596	477596.59
3745123.34	164.35226		
477955.00	3744841.13	72.38425	477712.66
3744991.00	141.58598		
477936.51	3745026.40	70.91300	477736.89
3744807.33	140.38536		
477463.22	3745153.00	216.89722	477467.88
3745177.64	193.26727		
477469.21	3745209.27	170.14430	477462.72
3745231.24	158.57573		
477462.22	3745259.87	143.39052	477596.06
3745147.68	153.59701		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAS\13998 RGCC\13998
Ops\13998 Ops. ***                   06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                               13:37:49

```

PAGE 87

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR  
SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0001027 , L0001028 ,  
L0001029 , L0001030 , L0001031 ,  
L0001032 , L0001033 , L0001034 , L0001035 , L0001036 ,  
L0001037 , L0001038 , L0001039 ,  
L0001040 , L0001041 , L0001042 , L0001043 , L0001044 ,  
L0001045 , L0001046 , L0001047 ,  
L0001048 , L0001049 , L0001050 , L0001051 , L0001052 ,  
L0001053 , L0001054 , . . . ,

\*\*\* 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

-----

477594.39 3745174.64 142.99352 477595.23  
 3745200.45 132.82435  
 477594.73 3745227.25 123.64372 477595.56  
 3745252.55 115.38383

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* \*\*\* 13:37:49

PAGE 88

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
 SOURCE GROUP: BLDG1 \*\*\*  
 INCLUDING SOURCE(S): BLDG1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
 MICROGRAMS/M\*\*3

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	31.46512	(11070219)	477074.98	
3744372.30	31.54529	(11070219)			
477080.97	3744372.68	31.51914	(11070219)	477107.86	
3744373.84	30.81610	(11102417)			
477124.11	3744367.46	30.33277	(11102417)	477136.49	
3744374.23	30.68756	(11102417)			
477195.48	3744375.39	29.58236	(16102717)	477060.86	
3744356.05	30.08058	(11070219)			
477207.61	3744374.97	29.34930	(16102717)	477380.98	
3744305.37	21.87365	(14012917)			
477118.50	3744296.66	25.18750	(11102417)	477490.46	
3744455.43	27.68563	(16050618)			
477668.58	3744413.69	17.79140	(16050618)	476881.02	
3744148.03	16.69536	(16100719)			
477111.89	3745113.29	134.79398	(14113016)	477349.45	
3745114.03	66.73770	(16090507)			
477515.74	3745009.76	33.40402	(16092818)	477454.22	
3745035.49	37.80754	(15110220)			
477015.66	3745168.64	70.01841	(16123116)	476433.55	
3744998.95	33.39005	(10052121)			
477469.06	3745076.86	34.32815	(16040918)	477469.36	
3745103.93	34.33478	(16040918)			
477470.51	3745126.80	33.36631	(16090507)	477594.70	
3745070.21	24.66358	(16092818)			
477649.52	3744560.98	20.49854	(11100617)	477647.52	
3744591.57	20.81560	(15041619)			
477648.60	3744619.76	21.44159	(15042919)	477647.83	
3744648.25	22.00982	(15042919)			
477146.84	3744132.25	17.64857	(11102417)	477147.86	
3744066.56	15.66660	(11102417)			
477147.35	3744041.93	15.01796	(11102417)	476685.99	
3744469.93	32.04807	(11010316)			
476485.33	3744603.88	35.96191	(15031418)	476555.37	
3744160.98	25.06667	(10120717)			
476555.17	3744124.59	24.20274	(10120717)	476708.76	
3744164.61	26.21050	(10070119)			
476605.31	3744108.33	24.59493	(16070619)	477233.14	
3744007.11	13.74278	(10101407)			
477233.51	3743914.78	11.98653	(10101407)	477354.60	
3743419.36	6.55711	(10101407)			
477195.95	3743347.28	6.37465	(11102417)	477137.19	

3743435.19	6.85355	(11070219)		
477985.54	3742759.23	3.52397	(14103017)	477985.54
3742807.54	3.62991	(14103017)		
477983.73	3742852.83	3.73234	(14103017)	477247.56
3742920.47	4.50643	(11102417)		
477338.15	3742649.32	3.69519	(11102417)	478077.34
3742745.94	3.43617	(11101717)		
478076.73	3742704.27	3.34166	(14103017)	478073.71
3742605.83	3.18064	(14103017)		
477036.28	3742768.62	7.71406	(14091420)	477013.90
3742710.93	7.87947	(15062820)		
477018.00	3742667.43	7.82449	(15062820)	477016.74
3742615.41	7.85084	(11070522)		
477608.13	3744100.00	12.86282	(10071619)	476543.81
3745771.70	10.26815	(15090218)		
475779.08	3744884.39	22.19675	(11080420)	475780.97
3744834.81	21.92709	(16090219)		
475780.97	3744788.54	22.06414	(16090219)	475791.01
3744719.15	22.03066	(11082922)		
475791.45	3744684.67	22.16629	(11082922)	478158.55
3742338.43	2.73252	(16072419)		
477253.02	3745694.62	15.96125	(14113016)	477157.80
3745697.65	15.32975	(14090718)		
477155.10	3745664.56	16.24512	(14090718)	475761.72
3745017.99	20.47218	(10051320)		
475773.11	3745186.10	19.25268	(15100120)	475881.63
3745127.65	21.00914	(11070820)		
477597.84	3745096.57	23.90708	(15110220)	477596.59
3745123.34	23.04856	(15110220)		
477955.00	3744841.13	12.97859	(11062522)	477712.66
3744991.00	19.91701	(14013117)		
477936.51	3745026.40	13.00460	(14013117)	477736.89
3744807.33	19.30079	(11062522)		
477463.22	3745153.00	37.33748	(16090507)	477467.88
3745177.64	36.49960	(16090507)		
477469.21	3745209.27	34.20153	(16090507)	477462.72
3745231.24	31.74628	(16090507)		
477462.22	3745259.87	27.23499	(14102417)	477596.06
3745147.68	22.42491	(16031120)		

```

*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/14/22
*** AERMET - VERSION 16216 ***
*** *** 13:37:49

```

PAGE 89

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: BLDG1 \*\*\*  
INCLUDING SOURCE(S): BLDG1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD

477594.39	3745174.64	22.56240	(14041118)	477595.23
3745200.45	22.51092	(14041118)		
477594.73	3745227.25	22.13071	(14041118)	477595.56
3745252.55	21.35130	(14041118)		

```

*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/14/22

```




\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
 SOURCE GROUP: BLDG2 \*\*\*  
 INCLUDING SOURCE(S): BLDG2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

X-COORD (M)		Y-COORD (M)		CONC (YYMMDDHH)		X-COORD (M)		Y-COORD (M)	
(M)	CONC	(YYMMDDHH)	CONC	(YYMMDDHH)	CONC	(YYMMDDHH)	(M)	CONC	(YYMMDDHH)
477060.08	3744372.49	29.34157	(11070219)	477074.98					
3744372.30	29.78667	(11070219)							
477080.97	3744372.68	29.91566	(11070219)	477107.86					
3744373.84	29.82855	(11070219)							
477124.11	3744367.46	28.73494	(11070219)	477136.49					
3744374.23	29.34602	(11102417)							
477195.48	3744375.39	28.38547	(10101407)	477060.86					
3744356.05	28.14112	(11070219)							
477207.61	3744374.97	28.03460	(16102717)	477380.98					
3744305.37	21.38715	(11101717)							
477118.50	3744296.66	24.26665	(11070219)	477490.46					
3744455.43	25.82042	(10020417)							
477668.58	3744413.69	18.86161	(16050618)	476881.02					
3744148.03	16.07366	(16100719)							
477111.89	3745113.29	141.88254	(14113016)	477349.45					
3745114.03	77.11022	(16090507)							
477515.74	3745009.76	35.93594	(16092818)	477454.22					
3745035.49	41.05096	(15110220)							
477015.66	3745168.64	72.00741	(16123116)	476433.55					
3744998.95	32.17642	(10052321)							
477469.06	3745076.86	36.92769	(16040918)	477469.36					
3745103.93	37.67890	(16040918)							
477470.51	3745126.80	36.39398	(16040918)	477594.70					
3745070.21	26.70264	(16092818)							
477649.52	3744560.98	20.78680	(11100617)	477647.52					
3744591.57	21.56602	(11100617)							
477648.60	3744619.76	21.73869	(15041619)	477647.83					
3744648.25	22.51340	(15042919)							
477146.84	3744132.25	17.01593	(11102417)	477147.86					
3744066.56	15.11708	(11102417)							
477147.35	3744041.93	14.48966	(11102417)	476685.99					
3744469.93	29.31683	(11010316)							
476485.33	3744603.88	34.14927	(10111118)	476555.37					
3744160.98	24.07218	(10120717)							
476555.17	3744124.59	23.34348	(10120717)	476708.76					
3744164.61	25.02855	(10070119)							
476605.31	3744108.33	23.59652	(16070619)	477233.14					
3744007.11	13.43473	(10101407)							
477233.51	3743914.78	11.67624	(10101407)	477354.60					
3743419.36	6.50778	(10101407)							
477195.95	3743347.28	6.24130	(11102417)	477137.19					
3743435.19	6.82913	(11070219)							
477985.54	3742759.23	3.49954	(16072419)	477985.54					
3742807.54	3.59878	(16072419)							
477983.73	3742852.83	3.70453	(14103017)	477247.56					
3742920.47	4.44305	(11102417)							
477338.15	3742649.32	3.67881	(11102417)	478077.34					

3742745.94	3.39999	(14103017)		
478076.73	3742704.27	3.32931	(14103017)	478073.71
3742605.83	3.15497	(16072419)		
477036.28	3742768.62	7.60909	(15062820)	477013.90
3742710.93	7.78410	(15062820)		
477018.00	3742667.43	7.74067	(15062820)	477016.74
3742615.41	7.77008	(11070522)		
477608.13	3744100.00	12.70552	(10071619)	476543.81
3745771.70	10.37642	(16010516)		
475779.08	3744884.39	21.44594	(11080420)	475780.97
3744834.81	21.78607	(16090219)		
475780.97	3744788.54	21.42888	(11070605)	475791.01
3744719.15	21.80313	(11082922)		
475791.45	3744684.67	21.48493	(11082922)	478158.55
3742338.43	2.71542	(16072419)		
477253.02	3745694.62	16.83528	(14113016)	477157.80
3745697.65	16.04336	(14090718)		
477155.10	3745664.56	17.03059	(14090718)	475761.72
3745017.99	20.43974	(14090721)		
475773.11	3745186.10	19.24014	(11070820)	475881.63
3745127.65	20.58325	(14070720)		
477597.84	3745096.57	25.37021	(15110220)	477596.59
3745123.34	24.68223	(15110220)		
477955.00	3744841.13	13.43545	(11062522)	477712.66
3744991.00	21.17430	(14013117)		
477936.51	3745026.40	13.62181	(14013117)	477736.89
3744807.33	19.67345	(11100518)		
477463.22	3745153.00	40.83881	(16090507)	477467.88
3745177.64	40.21854	(16090507)		
477469.21	3745209.27	37.92393	(16090507)	477462.72
3745231.24	35.30901	(16090507)		
477462.22	3745259.87	30.05245	(16090507)	477596.06
3745147.68	23.72039	(16031120)		

 \*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\*      06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      13:37:49

PAGE 91


\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
 SOURCE GROUP: BLDG2 \*\*\*  
 INCLUDING SOURCE(S): BLDG2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM      IN  
 MICROGRAMS/M\*\*3      \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
477594.39	3745174.64	23.66242	(14041118)	477595.23	
3745200.45	23.73182	(14041118)			
477594.73	3745227.25	23.42842	(14041118)	477595.56	
3745252.55	22.65584	(14041118)			

 \*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\*      06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      13:37:49

PAGE 92

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: BLDG3 \*\*\*  
INCLUDING SOURCE(S): BLDG3 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF DPM IN			
		MICROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
477060.08	3744372.49	28.96596	(14042920)	477074.98	
3744372.30	29.41078	(11040518)			
477080.97	3744372.68	29.84030	(11040518)	477107.86	
3744373.84	31.15121	(11040518)			
477124.11	3744367.46	30.93201	(11070219)	477136.49	
3744374.23	32.01965	(11070219)			
477195.48	3744375.39	31.56725	(11102417)	477060.86	
3744356.05	27.72110	(11100319)			
477207.61	3744374.97	31.51106	(11102417)	477380.98	
3744305.37	23.48560	(15062919)			
477118.50	3744296.66	25.57776	(11070219)	477490.46	
3744455.43	32.80616	(10020417)			
477668.58	3744413.69	22.51179	(16050618)	476881.02	
3744148.03	16.26207	(15012317)			
477111.89	3745113.29	95.34060	(16123116)	477349.45	
3745114.03	75.84237	(14041207)			
477515.74	3745009.76	41.90773	(15110220)	477454.22	
3745035.49	58.13099	(16040918)			
477015.66	3745168.64	67.52665	(16010516)	476433.55	
3744998.95	29.73958	(10052121)			
477469.06	3745076.86	56.67264	(16090507)	477469.36	
3745103.93	57.66132	(16090507)			
477470.51	3745126.80	54.86684	(16090507)	477594.70	
3745070.21	30.27197	(15110220)			
477649.52	3744560.98	24.55279	(15031518)	477647.52	
3744591.57	25.61062	(11100617)			
477648.60	3744619.76	26.04934	(11100617)	477647.83	
3744648.25	26.87204	(15042919)			
477146.84	3744132.25	18.31804	(11070219)	477147.86	
3744066.56	16.23807	(11070219)			
477147.35	3744041.93	15.55909	(11070219)	476685.99	
3744469.93	36.98201	(11010316)			
476485.33	3744603.88	32.93643	(10032018)	476555.37	
3744160.98	24.44732	(16092520)			
476555.17	3744124.59	24.18729	(16092520)	476708.76	
3744164.61	25.71169	(16070619)			
476605.31	3744108.33	23.83283	(10120717)	477233.14	
3744007.11	14.31059	(11102417)			
477233.51	3743914.78	12.38474	(11102417)	477354.60	
3743419.36	6.69632	(10101407)			
477195.95	3743347.28	6.46443	(11070219)	477137.19	
3743435.19	7.14826	(11070219)			
477985.54	3742759.23	3.56880	(16072419)	477985.54	
3742807.54	3.69153	(16072419)			
477983.73	3742852.83	3.81015	(16072419)	477247.56	
3742920.47	4.43095	(11102417)			
477338.15	3742649.32	3.76715	(11102417)	478077.34	
3742745.94	3.50568	(14103017)			
478076.73	3742704.27	3.42358	(16072419)	478073.71	
3742605.83	3.23201	(16072419)			
477036.28	3742768.62	8.01879	(11082820)	477013.90	
3742710.93	8.27944	(11082820)			
477018.00	3742667.43	8.25461	(11082820)	477016.74	

```

3742615.41      8.25562  (11082820)
477608.13      3744100.00    13.79517  (14101817)    476543.81
3745771.70      9.47847  (10040920)
475779.08      3744884.39    21.05696  (11080420)    475780.97
3744834.81      20.52448  (16090219)
475780.97      3744788.54    21.01086  (16090219)    475791.01
3744719.15      20.99218  (10071022)
475791.45      3744684.67    21.02755  (11082922)    478158.55
3742338.43      2.75925  (16072419)
477253.02      3745694.62    15.08525  (14090718)    477157.80
3745697.65      15.12441  (14090718)
477155.10      3745664.56    15.98049  (14090718)    475761.72
3745017.99      19.43881  (10051320)
475773.11      3745186.10    18.59098  (11070820)    475881.63
3745127.65      20.03889  (11070820)
477597.84      3745096.57    28.73987  (16031120)    477596.59
3745123.34      28.95495  (14041118)
477955.00      3744841.13    14.97195  (11062522)    477712.66
3744991.00      24.36306  (16092818)
477936.51      3745026.40    14.74758  (16092818)    477736.89
3744807.33      23.41611  (11062522)
477463.22      3745153.00    49.61943  (16090507)    477467.88
3745177.64      42.18989  (16090507)
477469.21      3745209.27    37.05749  (14041207)    477462.72
3745231.24      35.16284  (14041207)
477462.22      3745259.87    31.64902  (14041207)    477596.06
3745147.68      28.76816  (14041118)

```

```

*** AERMOD - VERSION 21112 ***
Ops\13998 Ops. *** 06/14/22
*** AERMET - VERSION 16216 ***
***

```

```

*** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
***
*** 13:37:49

```

PAGE 93

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: BLDG3 ***
INCLUDING SOURCE(S): BLDG3 ,

```

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

```

** CONC OF DPM IN **
MICROGRAMS/M**3

```

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
477594.39	3745174.64	29.15522	(16090507)	477595.23	
3745200.45	29.52795	(16090507)			
477594.73	3745227.25	28.68239	(16090507)	477595.56	
3745252.55	26.84268	(16090507)			

```

*** AERMOD - VERSION 21112 ***
Ops\13998 Ops. *** 06/14/22
*** AERMET - VERSION 16216 ***
***

```

```

*** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
***
*** 13:37:49

```

PAGE 94

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: BLDG4 ***
INCLUDING SOURCE(S): BLDG4 ,

```

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM  
MICROGRAMS/M\*\*3

IN

\*\*

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	28.74780	(16100719)	477074.98	
3744372.30	28.78292	(16100719)			
477080.97	3744372.68	28.76673	(11071520)	477107.86	
3744373.84	29.26682	(11100319)			
477124.11	3744367.46	29.64119	(11040518)	477136.49	
3744374.23	30.82437	(11040518)			
477195.48	3744375.39	32.44269	(11070219)	477060.86	
3744356.05	27.49165	(16100719)			
477207.61	3744374.97	32.28201	(11070219)	477380.98	
3744305.37	24.74163	(15062919)			
477118.50	3744296.66	24.73236	(11040518)	477490.46	
3744455.43	33.08605	(10020417)			
477668.58	3744413.69	23.82215	(16050618)	476881.02	
3744148.03	15.85760	(10092619)			
477111.89	3745113.29	77.52965	(15071719)	477349.45	
3745114.03	81.00603	(16082607)			
477515.74	3745009.76	49.06395	(16040918)	477454.22	
3745035.49	82.98010	(16090507)			
477015.66	3745168.64	73.95497	(16010516)	476433.55	
3744998.95	27.68358	(10052321)			
477469.06	3745076.86	75.12467	(16090507)	477469.36	
3745103.93	68.57369	(16090507)			
477470.51	3745126.80	59.89696	(16090507)	477594.70	
3745070.21	33.96883	(16040918)			
477649.52	3744560.98	27.35062	(15031518)	477647.52	
3744591.57	27.98809	(15031518)			
477648.60	3744619.76	29.06723	(11100617)	477647.83	
3744648.25	29.59864	(15041619)			
477146.84	3744132.25	17.83184	(11040518)	477147.86	
3744066.56	15.87925	(11070219)			
477147.35	3744041.93	15.22832	(11070219)	476685.99	
3744469.93	33.85854	(16111017)			
476485.33	3744603.88	30.66599	(10032018)	476555.37	
3744160.98	23.52810	(10110217)			
476555.17	3744124.59	22.91319	(14110617)	476708.76	
3744164.61	24.53469	(10120717)			
476605.31	3744108.33	23.25881	(16092520)	477233.14	
3744007.11	14.37476	(11070219)			
477233.51	3743914.78	12.45956	(11070219)	477354.60	
3743419.36	6.83533	(11102417)			
477195.95	3743347.28	6.57181	(11070219)	477137.19	
3743435.19	7.07915	(11070219)			
477985.54	3742759.23	3.62604	(15062919)	477985.54	
3742807.54	3.71885	(15061819)			
477983.73	3742852.83	3.81494	(15061819)	477247.56	
3742920.47	4.54837	(11070219)			
477338.15	3742649.32	3.74113	(11102417)	478077.34	
3742745.94	3.53206	(16072419)			
478076.73	3742704.27	3.44113	(16072419)	478073.71	
3742605.83	3.24186	(15061819)			
477036.28	3742768.62	8.07565	(11101219)	477013.90	
3742710.93	8.24099	(15060821)			
477018.00	3742667.43	8.22010	(15060821)	477016.74	
3742615.41	8.22281	(15060821)			
477608.13	3744100.00	14.33861	(14012917)	476543.81	
3745771.70	9.23538	(10101623)			
475779.08	3744884.39	20.26030	(11080420)	475780.97	
3744834.81	19.70083	(16090219)			
475780.97	3744788.54	20.23014	(16090219)	475791.01	

3744719.15	20.21122	(10071022)		
475791.45	3744684.67	20.19214	(11082922)	478158.55
3742338.43	2.78810	(15061819)		
477253.02	3745694.62	15.54211	(14090718)	477157.80
3745697.65	14.90966	(15090318)		
477155.10	3745664.56	15.85800	(15090318)	475761.72
3745017.99	18.76674	(11082406)		
475773.11	3745186.10	17.99193	(11070820)	475881.63
3745127.65	19.15386	(11070820)		
477597.84	3745096.57	33.68240	(16040918)	477596.59
3745123.34	33.14951	(16090507)		
477955.00	3744841.13	16.12931	(11062522)	477712.66
3744991.00	27.26465	(16092818)		
477936.51	3745026.40	16.05149	(16092818)	477736.89
3744807.33	25.83907	(11062522)		
477463.22	3745153.00	51.21528	(14041207)	477467.88
3745177.64	46.39644	(14041207)		
477469.21	3745209.27	40.91234	(14041207)	477462.72
3745231.24	37.45607	(14041207)		
477462.22	3745259.87	32.67848	(10082907)	477596.06
3745147.68	35.39636	(16090507)		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***      06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***      13:37:49

```

PAGE 95

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: BLDG4 \*\*\*  
INCLUDING SOURCE(S): BLDG4 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
477594.39	3745174.64	35.93162	(16090507)	477595.23	
3745200.45	34.18456	(16090507)			
477594.73	3745227.25	31.09606	(16090507)	477595.56	
3745252.55	27.33916	(16090507)			

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***      06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***      13:37:49

```

PAGE 96

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: BLDG5 \*\*\*  
INCLUDING SOURCE(S): BLDG5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			

477060.08	3744372.49	26.82044	(15051418)	477074.98
3744372.30	27.00087	(15051418)		
477080.97	3744372.68	26.95704	(15051418)	477107.86
3744373.84	27.10273	(15012317)		
477124.11	3744367.46	26.88599	(14061319)	477136.49
3744374.23	27.51147	(16100719)		
477195.48	3744375.39	28.69913	(11040518)	477060.86
3744356.05	25.53839	(15051418)		
477207.61	3744374.97	29.27527	(11040518)	477380.98
3744305.37	24.27816	(10101407)		
477118.50	3744296.66	22.47745	(16100719)	477490.46
3744455.43	33.21899	(11101717)		
477668.58	3744413.69	24.92635	(10020417)	476881.02
3744148.03	14.21392	(10081521)		
477111.89	3745113.29	109.15116	(16010516)	477349.45
3745114.03	125.99888	(14113016)		
477515.74	3745009.76	83.88660	(16040918)	477454.22
3745035.49	151.94648	(16090507)		
477015.66	3745168.64	44.90870	(14090218)	476433.55
3744998.95	26.34346	(14062119)		
477469.06	3745076.86	107.08881	(16090507)	477469.36
3745103.93	85.93910	(14041207)		
477470.51	3745126.80	76.59489	(14041207)	477594.70
3745070.21	49.96570	(16040918)		
477649.52	3744560.98	39.09748	(16050618)	477647.52
3744591.57	40.58889	(16050618)		
477648.60	3744619.76	39.34545	(16050618)	477647.83
3744648.25	36.91619	(11091107)		
477146.84	3744132.25	16.12581	(11100319)	477147.86
3744066.56	14.55138	(11040518)		
477147.35	3744041.93	14.01658	(11040518)	476685.99
3744469.93	31.33506	(14051420)		
476485.33	3744603.88	27.82370	(14101819)	476555.37
3744160.98	22.28917	(10080420)		
476555.17	3744124.59	21.85641	(10091021)	476708.76
3744164.61	23.87438	(11073022)		
476605.31	3744108.33	22.18501	(11070524)	477233.14
3744007.11	14.10969	(11070219)		
477233.51	3743914.78	12.27930	(11070219)	477354.60
3743419.36	6.68443	(11102417)		
477195.95	3743347.28	6.36543	(11070219)	477137.19
3743435.19	11.34948	(11101219)		
477985.54	3742759.23	3.73449	(15062919)	477985.54
3742807.54	3.83644	(15062919)		
477983.73	3742852.83	3.93787	(15062919)	477247.56
3742920.47	7.33912	(11070219)		
477338.15	3742649.32	3.71620	(11070219)	478077.34
3742745.94	3.54180	(15061819)		
478076.73	3742704.27	3.47931	(15062919)	478073.71
3742605.83	3.33733	(15062919)		
477036.28	3742768.62	8.25843	(16092521)	477013.90
3742710.93	8.48901	(14091520)		
477018.00	3742667.43	8.39951	(14091520)	477016.74
3742615.41	8.34492	(14091520)		
477608.13	3744100.00	14.43465	(16072419)	476543.81
3745771.70	15.70041	(10090618)		
475779.08	3744884.39	19.20411	(11080420)	475780.97
3744834.81	19.19510	(16090219)		
475780.97	3744788.54	19.27304	(16090219)	475791.01
3744719.15	19.31393	(10071022)		
475791.45	3744684.67	19.38277	(11082922)	478158.55
3742338.43	2.86460	(15062919)		
477253.02	3745694.62	15.28070	(14090718)	477157.80
3745697.65	15.72643	(15091118)		
477155.10	3745664.56	16.65966	(15091118)	475761.72

3745017.99	18.44789	(14090721)		
475773.11	3745186.10	17.45042	(11070820)	475881.63
3745127.65	18.74407	(14070720)		
477597.84	3745096.57	51.01321	(16090507)	477596.59
3745123.34	53.72095	(16090507)		
477955.00	3744841.13	18.87791	(11062522)	477712.66
3744991.00	34.31479	(16092818)		
477936.51	3745026.40	18.75892	(16092818)	477736.89
3744807.33	31.43653	(16082707)		
477463.22	3745153.00	67.17538	(14041207)	477467.88
3745177.64	57.55784	(14041207)		
477469.21	3745209.27	47.98633	(16082607)	477462.72
3745231.24	45.99737	(16082607)		
477462.22	3745259.87	40.82683	(16082607)	477596.06
3745147.68	52.25868	(16090507)		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                    06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                13:37:49

```

PAGE 97

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: BLDG5 \*\*\*  
INCLUDING SOURCE(S): BLDG5 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	47.53378	(16090507)	477595.23	
3745200.45	40.91086	(16090507)			
477594.73	3745227.25	35.76016	(14041207)	477595.56	
3745252.55	33.23083	(14041207)			

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                    06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                13:37:49

```

PAGE 98

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: BLDG6 \*\*\*  
INCLUDING SOURCE(S): BLDG6 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	25.35905	(15051418)	477074.98	
3744372.30	26.41325	(15051418)			
477080.97	3744372.68	26.73260	(15051418)	477107.86	
3744373.84	26.98459	(15051418)			
477124.11	3744367.46	26.62240	(15012317)	477136.49	



3744374.23	27.24556	(14061319)		
477195.48	3744375.39	27.82796	(14042920)	477060.86
3744356.05	24.60351	(15051418)		
477207.61	3744374.97	28.01654	(11100319)	477380.98
3744305.37	24.53704	(11102417)		
477118.50	3744296.66	22.35768	(14061319)	477490.46
3744455.43	33.74198	(14103017)		
477668.58	3744413.69	26.01850	(10020417)	476881.02
3744148.03	14.01460	(11081920)		
477111.89	3745113.29	85.33732	(16010516)	477349.45
3745114.03	145.71092	(14113016)		
477515.74	3745009.76	104.72780	(16090507)	477454.22
3745035.49	166.70059	(16090507)		
477015.66	3745168.64	47.12963	(14090218)	476433.55
3744998.95	25.38937	(14062119)		
477469.06	3745076.86	109.20299	(14041207)	477469.36
3745103.93	93.54116	(14041207)		
477470.51	3745126.80	80.83730	(14041207)	477594.70
3745070.21	59.51005	(16090507)		
477649.52	3744560.98	41.73054	(16050618)	477647.52
3744591.57	45.06248	(16050618)		
477648.60	3744619.76	45.48253	(16050618)	477647.83
3744648.25	43.61296	(16050618)		
477146.84	3744132.25	15.94649	(14042920)	477147.86
3744066.56	14.27446	(11100319)		
477147.35	3744041.93	13.71533	(11100319)	476685.99
3744469.93	30.06165	(14051420)		
476485.33	3744603.88	27.04260	(15040318)	476555.37
3744160.98	21.93489	(10080420)		
476555.17	3744124.59	21.17873	(16122218)	476708.76
3744164.61	23.11967	(11073022)		
476605.31	3744108.33	21.78098	(16070620)	477233.14
3744007.11	13.87592	(11040518)		
477233.51	3743914.78	12.04918	(11070219)	477354.60
3743419.36	6.71986	(11070219)		
477195.95	3743347.28	6.27920	(11040518)	477137.19
3743435.19	11.32938	(16092521)		
477985.54	3742759.23	3.75593	(15062919)	477985.54
3742807.54	3.86708	(15062919)		
477983.73	3742852.83	3.97712	(15062919)	477247.56
3742920.47	7.32390	(11070219)		
477338.15	3742649.32	3.76503	(11070219)	478077.34
3742745.94	3.59623	(15062919)		
478076.73	3742704.27	3.53029	(15062919)	478073.71
3742605.83	3.37014	(15062919)		
477036.28	3742768.62	8.34436	(14091520)	477013.90
3742710.93	8.55498	(14091520)		
477018.00	3742667.43	8.49269	(14091520)	477016.74
3742615.41	8.45415	(14091520)		
477608.13	3744100.00	14.57384	(16072419)	476543.81
3745771.70	15.51461	(10090618)		
475779.08	3744884.39	18.79935	(11080420)	475780.97
3744834.81	18.75735	(16090219)		
475780.97	3744788.54	18.88359	(16090219)	475791.01
3744719.15	18.91993	(10071022)		
475791.45	3744684.67	18.94950	(11082922)	478158.55
3742338.43	2.88868	(15062919)		
477253.02	3745694.62	15.53813	(15090318)	477157.80
3745697.65	15.57321	(15091118)		
477155.10	3745664.56	16.40774	(15091118)	475761.72
3745017.99	18.07562	(14090721)		
475773.11	3745186.10	17.03697	(11070820)	475881.63
3745127.65	18.30125	(14070720)		
477597.84	3745096.57	62.00535	(16090507)	477596.59
3745123.34	61.30151	(16090507)		
477955.00	3744841.13	19.88564	(11062522)	477712.66

3744991.00	37.25122	(16092818)		
477936.51	3745026.40	19.89295	(16092818)	477736.89
3744807.33	34.75567	(16082707)		
477463.22	3745153.00	68.24484	(16082607)	477467.88
3745177.64	61.00821	(16082607)		
477469.21	3745209.27	53.19070	(16082607)	477462.72
3745231.24	48.02489	(16082607)		
477462.22	3745259.87	40.70263	(16082607)	477596.06
3745147.68	56.42698	(16090507)		

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 13:37:49

PAGE 99

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
 SOURCE GROUP: BLDG6 \*\*\*  
 INCLUDING SOURCE(S): BLDG6 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
 MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
477594.39	3745174.64	48.28447	(16090507)	477595.23	
3745200.45	41.65118	(14041207)			
477594.73	3745227.25	38.43226	(14041207)	477595.56	
3745252.55	35.07466	(14041207)			

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22

\*\*\* AERMET - VERSION 16216 \*\*\*

\*\*\* 13:37:49

PAGE 100

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
 SOURCE GROUP: BLDG7 \*\*\*  
 INCLUDING SOURCE(S): BLDG7 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
 MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
477060.08	3744372.49	22.42328	(11081920)	477074.98	
3744372.30	22.78144	(11081920)			
477080.97	3744372.68	22.91118	(11081920)	477107.86	
3744373.84	23.89124	(10081521)			
477124.11	3744367.46	24.45792	(15051418)	477136.49	
3744374.23	25.46177	(15051418)			
477195.48	3744375.39	26.28804	(15012317)	477060.86	
3744356.05	21.72026	(11081920)			
477207.61	3744374.97	26.44093	(14061319)	477380.98	
3744305.37	24.66849	(11070219)			
477118.50	3744296.66	20.81412	(10092619)	477490.46	

3744455.43	36.51215	(14090307)	
477668.58	3744413.69	25.92567	(15102817)
3744148.03	22.14137	(16070619)	476881.02
477111.89	3745113.29	78.95518	(14090218)
3745114.03	123.24339	(10082818)	477349.45
477515.74	3745009.76	223.10201	(16090507)
3745035.49	228.00066	(16082607)	477454.22
477015.66	3745168.64	48.40887	(14090218)
3744998.95	24.46016	(14062119)	476433.55
477469.06	3745076.86	153.82870	(16082607)
3745103.93	126.82644	(16082607)	477469.36
477470.51	3745126.80	105.69976	(16082607)
3745070.21	102.35600	(16090507)	477594.70
477649.52	3744560.98	45.54198	(10020417)
3744591.57	48.44216	(10020417)	477647.52
477648.60	3744619.76	56.08768	(16050618)
3744648.25	62.85815	(16050618)	477647.83
477146.84	3744132.25	15.41523	(16100719)
3744066.56	13.72325	(16100719)	477147.86
477147.35	3744041.93	13.14501	(16100719)
3744469.93	28.27462	(16092519)	476685.99
476485.33	3744603.88	25.52794	(15040318)
3744160.98	21.18439	(16080820)	476555.37
476555.17	3744124.59	20.73816	(10060601)
3744164.61	22.41317	(14110617)	476708.76
476605.31	3744108.33	20.84280	(10091021)
3744007.11	12.99083	(11040518)	477233.14
477233.51	3743914.78	11.46630	(11040518)
3743419.36	6.84071	(11070219)	477354.60
477195.95	3743347.28	10.29804	(16092521)
3743435.19	11.69135	(11080621)	477137.19
477985.54	3742759.23	3.71945	(15062919)
3742807.54	3.85159	(15062919)	477985.54
477983.73	3742852.83	3.98049	(15062919)
3742920.47	7.47381	(10092420)	477247.56
477338.15	3742649.32	6.07055	(11070219)
3742745.94	3.67901	(15062919)	478077.34
478076.73	3742704.27	3.59157	(15062919)
3742605.83	3.38546	(15062919)	478073.71
477036.28	3742768.62	8.59439	(14091520)
3742710.93	8.65463	(14091520)	477013.90
477018.00	3742667.43	8.65152	(14091520)
3742615.41	8.63712	(14091520)	477016.74
477608.13	3744100.00	15.10479	(15062919)
3745771.70	15.24729	(10090618)	476543.81
475779.08	3744884.39	17.90857	(11080420)
3744834.81	18.27097	(16090219)	475780.97
475780.97	3744788.54	18.13703	(16090219)
3744719.15	18.24642	(10071022)	475791.01
475791.45	3744684.67	18.33061	(11082922)
3742338.43	2.89878	(15062919)	478158.55
477253.02	3745694.62	16.16090	(15091118)
3745697.65	15.18902	(16102217)	477157.80
477155.10	3745664.56	15.97008	(14041218)
3745017.99	17.70785	(14090721)	475761.72
475773.11	3745186.10	16.80676	(14070720)
3745127.65	17.61497	(14070720)	475881.63
477597.84	3745096.57	92.78488	(16090507)
3745123.34	78.44393	(16090507)	477596.59
477955.00	3744841.13	23.05064	(11062522)
3744991.00	48.03080	(16092818)	477712.66
477936.51	3745026.40	23.41667	(16092818)
3744807.33	42.68794	(16082707)	477736.89
477463.22	3745153.00	88.57013	(14113016)
3745177.64	78.62144	(14113016)	477467.88
477469.21	3745209.27	71.08468	(14113016)
			477462.72

3745231.24 69.57779 (14113016)  
477462.22 3745259.87 63.04430 (14113016) 477596.06  
3745147.68 65.28349 (14041207)

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 101

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: BLDG7 \*\*\*  
INCLUDING SOURCE(S): BLDG7 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	58.89998	(14041207)	477595.23	
3745200.45	52.13674	(14041207)			
477594.73	3745227.25	45.49270	(14041207)	477595.56	
3745252.55	39.63804	(14041207)			

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 102

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: BLDG8 \*\*\*  
INCLUDING SOURCE(S): BLDG8 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	22.46394	(16012617)	477074.98	
3744372.30	22.66462	(16012617)			
477080.97	3744372.68	22.73446	(16012617)	477107.86	
3744373.84	23.37067	(11081920)			
477124.11	3744367.46	23.65946	(10081521)	477136.49	
3744374.23	24.40352	(10081521)			
477195.48	3744375.39	26.60824	(15051418)	477060.86	
3744356.05	21.65359	(16012617)			
477207.61	3744374.97	26.53006	(15012317)	477380.98	
3744305.37	25.27222	(11070219)			
477118.50	3744296.66	20.53026	(10092619)	477490.46	
3744455.43	36.41991	(14090307)			
477668.58	3744413.69	27.08325	(14101817)	476881.02	
3744148.03	21.80736	(16012617)			
477111.89	3745113.29	71.85006	(14090218)	477349.45	
3745114.03	111.04882	(16123116)			
477515.74	3745009.76	254.81384	(16090507)	477454.22	

3745035.49	247.82147	(16082607)		
477015.66	3745168.64	44.33225	(14090218)	476433.55
3744998.95	23.62423	(14062119)		
477469.06	3745076.86	156.12870	(16082607)	477469.36
3745103.93	127.44681	(14113016)		
477470.51	3745126.80	114.99789	(14113016)	477594.70
3745070.21	114.75736	(16090507)		
477649.52	3744560.98	49.29018	(10020417)	477647.52
3744591.57	54.94459	(10020417)		
477648.60	3744619.76	59.11978	(16050618)	477647.83
3744648.25	69.06706	(16050618)		
477146.84	3744132.25	15.46721	(14061319)	477147.86
3744066.56	13.85183	(16100719)		
477147.35	3744041.93	13.31095	(16100719)	476685.99
3744469.93	27.64358	(16092519)		
476485.33	3744603.88	25.01040	(15040318)	476555.37
3744160.98	21.03005	(16080820)		
476555.17	3744124.59	20.43914	(10060601)	476708.76
3744164.61	22.16980	(10110217)		
476605.31	3744108.33	20.48073	(10080420)	477233.14
3744007.11	12.81754	(11100319)		
477233.51	3743914.78	11.21365	(11040518)	477354.60
3743419.36	6.87845	(11070219)		
477195.95	3743347.28	10.36371	(16092521)	477137.19
3743435.19	11.72928	(10073020)		
477985.54	3742759.23	3.71136	(15062919)	477985.54
3742807.54	3.85020	(15062919)		
477983.73	3742852.83	3.98529	(15062919)	477247.56
3742920.47	7.50440	(14012017)		
477338.15	3742649.32	6.09493	(11070219)	478077.34
3742745.94	3.70907	(15062919)		
478076.73	3742704.27	3.61466	(15062919)	478073.71
3742605.83	3.39372	(15062919)		
477036.28	3742768.62	8.49035	(14091520)	477013.90
3742710.93	8.61656	(16070920)		
477018.00	3742667.43	8.55091	(16070920)	477016.74
3742615.41	8.59386	(15062523)		
477608.13	3744100.00	15.22494	(15062919)	476543.81
3745771.70	14.71161	(11050906)		
475779.08	3744884.39	17.69891	(11080420)	475780.97
3744834.81	17.83374	(16090219)		
475780.97	3744788.54	17.89481	(16090219)	475791.01
3744719.15	17.95434	(10071022)		
475791.45	3744684.67	17.93190	(11082922)	478158.55
3742338.43	2.90521	(15062919)		
477253.02	3745694.62	15.87433	(15091118)	477157.80
3745697.65	14.79895	(15071719)		
477155.10	3745664.56	15.68816	(15071719)	475761.72
3745017.99	17.34570	(14090721)		
475773.11	3745186.10	16.47264	(14070720)	475881.63
3745127.65	17.28270	(14070720)		
477597.84	3745096.57	94.14074	(16090507)	477596.59
3745123.34	77.01376	(14041207)		
477955.00	3744841.13	24.51630	(11062522)	477712.66
3744991.00	52.35207	(16092818)		
477936.51	3745026.40	24.99956	(16092818)	477736.89
3744807.33	48.85275	(16082707)		
477463.22	3745153.00	108.67388	(14113016)	477467.88
3745177.64	94.08577	(14113016)		
477469.21	3745209.27	81.06268	(14113016)	477462.72
3745231.24	74.66832	(14113016)		
477462.22	3745259.87	65.48131	(14113016)	477596.06
3745147.68	68.94897	(14041207)		

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: BLDG8 \*\*\* INCLUDING SOURCE(S): BLDG8 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	60.03968	(14041207)	477595.23	
3745200.45	51.72668	(14041207)			
477594.73	3745227.25	44.70969	(15050818)	477595.56	
3745252.55	40.66775	(16082607)			

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 13:37:49

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*


\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: BREATHE \*\*\* INCLUDING SOURCE(S): BREATHE ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	24.46057	(16012617)	477074.98	
3744372.30	24.81288	(11081920)			
477080.97	3744372.68	24.98320	(11081920)	477107.86	
3744373.84	26.06613	(10081521)			
477124.11	3744367.46	26.70202	(15051418)	477136.49	
3744374.23	27.85282	(15051418)			
477195.48	3744375.39	28.82630	(14061319)	477060.86	
3744356.05	23.56985	(11081920)			
477207.61	3744374.97	29.00546	(14061319)	477380.98	
3744305.37	26.33044	(11070219)			
477118.50	3744296.66	22.50686	(10092619)	477490.46	
3744455.43	39.24847	(14090307)			
477668.58	3744413.69	27.50250	(10071619)	476881.02	
3744148.03	22.88527	(16012617)			
477111.89	3745113.29	62.49900	(14090218)	477349.45	
3745114.03	102.37187	(15090407)			
477515.74	3745009.76	174.58921	(16090507)	477454.22	
3745035.49	167.83800	(16082607)			
477015.66	3745168.64	42.64953	(14090218)	476433.55	
3744998.95	23.86534	(14062119)			
477469.06	3745076.86	118.05607	(16082607)	477469.36	
3745103.93	98.62994	(16082607)			
477470.51	3745126.80	83.48569	(16082607)	477594.70	

3745070.21	87.29146	(16090507)	
477649.52	3744560.98	47.66848	(16050618)
3744591.57	55.22341	(16050618)	477647.52
477648.60	3744619.76	59.72513	(16050618)
3744648.25	61.12129	(16050618)	477647.83
477146.84	3744132.25	16.38954	(16100719)
3744066.56	14.49093	(16100719)	477147.86
477147.35	3744041.93	13.87603	(11071520)
3744469.93	29.27660	(16092519)	476685.99
476485.33	3744603.88	26.33786	(15040318)
3744160.98	21.82820	(16080820)	476555.37
476555.17	3744124.59	21.24978	(10060601)
3744164.61	23.20005	(10110217)	476708.76
476605.31	3744108.33	21.26469	(10080420)
3744007.11	13.83294	(11040518)	477233.14
477233.51	3743914.78	12.11601	(11040518)
3743419.36	7.03248	(11070219)	477354.60
477195.95	3743347.28	10.34520	(15012817)
3743435.19	11.75471	(11080621)	477137.19
477985.54	3742759.23	3.80472	(15062919)
3742807.54	3.93479	(15062919)	477985.54
477983.73	3742852.83	4.06238	(15062919)
3742920.47	7.48933	(10092420)	477247.56
477338.15	3742649.32	3.86049	(11070219)
3742745.94	3.72320	(15062919)	478077.34
478076.73	3742704.27	3.63986	(15062919)
3742605.83	3.44197	(15062919)	478073.71
477036.28	3742768.62	8.63872	(14091520)
3742710.93	8.73020	(14091520)	477013.90
477018.00	3742667.43	8.72063	(14091520)
3742615.41	8.70516	(14091520)	477016.74
477608.13	3744100.00	15.87862	(15062919)
3745771.70	15.09004	(10090618)	476543.81
475779.08	3744884.39	18.40040	(11080420)
3744834.81	17.77204	(16090219)	475780.97
475780.97	3744788.54	18.40046	(16090219)
3744719.15	18.31852	(10071022)	475791.01
475791.45	3744684.67	18.22456	(10071022)
3742338.43	2.94179	(15062919)	478158.55
477253.02	3745694.62	15.34031	(15091118)
3745697.65	14.68435	(16102217)	477157.80
477155.10	3745664.56	15.45084	(16102217)
3745017.99	17.32853	(14090721)	475761.72
475773.11	3745186.10	16.60847	(11070820)
3745127.65	17.77400	(14070720)	475881.63
477597.84	3745096.57	75.15158	(16090507)
3745123.34	60.82881	(16090507)	477596.59
477955.00	3744841.13	22.56779	(11062522)
3744991.00	44.15754	(16092818)	477712.66
477936.51	3745026.40	22.83480	(16092818)
3744807.33	45.21020	(16082707)	477736.89
477463.22	3745153.00	70.76532	(14113016)
3745177.64	63.74968	(14113016)	477467.88
477469.21	3745209.27	58.59537	(14113016)
3745231.24	58.08847	(14113016)	477462.72
477462.22	3745259.87	53.41315	(14113016)
3745147.68	55.54931	(14041207)	477596.06

 \*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*

\*\*\* 13:37:49

SOURCE GROUP: BREATHE \*\*\*

INCLUDING SOURCE(S): BREATHE ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	49.83581	(14041207)	477595.23	
3745200.45	44.08676	(14041207)			
477594.73	3745227.25	38.49968	(14041207)	477595.56	
3745252.55	34.70986	(15050818)			

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 13:37:49

PAGE 106

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: DW2 \*\*\*

INCLUDING SOURCE(S): L0001135 , L0001136 , L0001137 , L0001138 , L0001139 ,

L0001140 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	116.66502	(14111116)	477074.98	
3744372.30	115.73353	(11070219)			
477080.97	3744372.68	114.99997	(16010916)	477107.86	
3744373.84	147.83408	(14090307)			
477124.11	3744367.46	143.56852	(14090307)	477136.49	
3744374.23	144.53430	(14090307)			
477195.48	3744375.39	123.64992	(10020417)	477060.86	
3744356.05	104.26164	(11070219)			
477207.61	3744374.97	124.80675	(10020417)	477380.98	
3744305.37	53.57088	(16050618)			
477118.50	3744296.66	80.35145	(14090307)	477490.46	
3744455.43	34.79539	(15012407)			
477668.58	3744413.69	21.13901	(15012407)	476881.02	
3744148.03	36.58047	(15051418)			
477111.89	3745113.29	28.13448	(14113016)	477349.45	
3745114.03	22.05955	(14013017)			
477515.74	3745009.76	22.24107	(14102417)	477454.22	
3745035.49	22.35068	(15040418)			
477015.66	3745168.64	23.88855	(15090318)	476433.55	
3744998.95	27.05153	(14051819)			
477469.06	3745076.86	20.28802	(11091320)	477469.36	
3745103.93	19.42826	(11091320)			
477470.51	3745126.80	18.71629	(11070423)	477594.70	
3745070.21	18.10171	(14102417)			
477649.52	3744560.98	23.09222	(11062522)	477647.52	
3744591.57	22.87466	(14013117)			
477648.60	3744619.76	23.51070	(14013117)	477647.83	



3744648.25	23.52307	(14013117)		
477146.84	3744132.25	36.09540	(10101407)	477147.86
3744066.56	29.81966	(10101407)		
477147.35	3744041.93	27.90629	(10101407)	476685.99
3744469.93	40.49670	(10011117)		
476485.33	3744603.88	41.61112	(10093021)	476555.37
3744160.98	36.49082	(16111619)		
476555.17	3744124.59	35.66186	(16080820)	476708.76
3744164.61	43.92587	(11081419)		
476605.31	3744108.33	37.33551	(10080420)	477233.14
3744007.11	24.76740	(15062919)		
477233.51	3743914.78	19.96550	(16102717)	477354.60
3743419.36	9.02682	(16102717)		
477195.95	3743347.28	8.67688	(11102417)	477137.19
3743435.19	9.63580	(11102417)		
477985.54	3742759.23	4.29285	(11101717)	477985.54
3742807.54	4.41927	(11101717)		
477983.73	3742852.83	4.55968	(14012917)	477247.56
3742920.47	5.67450	(11102417)		
477338.15	3742649.32	4.50736	(10101407)	478077.34
3742745.94	4.11241	(14012917)		
478076.73	3742704.27	4.02703	(14012917)	478073.71
3742605.83	3.81266	(11101717)		
477036.28	3742768.62	9.47972	(14091420)	477013.90
3742710.93	9.61198	(15062820)		
477018.00	3742667.43	9.50613	(15062820)	477016.74
3742615.41	9.47675	(11070522)		
477608.13	3744100.00	20.53847	(16050618)	476543.81
3745771.70	7.68590	(10062119)		
475779.08	3744884.39	21.27964	(15100120)	475780.97
3744834.81	21.87623	(11070820)		
475780.97	3744788.54	22.09705	(14070720)	475791.01
3744719.15	22.04034	(10051320)		
475791.45	3744684.67	22.41051	(14090721)	478158.55
3742338.43	3.21851	(11101717)		
477253.02	3745694.62	9.20352	(10100517)	477157.80
3745697.65	9.90349	(14090718)		
477155.10	3745664.56	10.32991	(14090718)	475761.72
3745017.99	19.39750	(16062420)		
475773.11	3745186.10	17.29483	(15091919)	475881.63
3745127.65	18.63785	(15091919)		
477597.84	3745096.57	17.36816	(14102417)	477596.59
3745123.34	16.64594	(15040418)		
477955.00	3744841.13	12.27779	(16092818)	477712.66
3744991.00	16.26124	(14041118)		
477936.51	3745026.40	10.72810	(16031120)	477736.89
3744807.33	17.44909	(16092818)		
477463.22	3745153.00	18.05860	(11070423)	477467.88
3745177.64	17.18490	(11070423)		
477469.21	3745209.27	16.11566	(11070423)	477462.72
3745231.24	15.70414	(14013017)		
477462.22	3745259.87	15.18446	(14013017)	477596.06
3745147.68	16.03910	(15040418)		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                    06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                13:37:49

```

PAGE 107

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: DW2 \*\*\*  
INCLUDING SOURCE(S): L0001135 , L0001136 ,  
L0001137 , L0001138 , L0001139 ,

L0001140 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	15.28825	(15040418)	477595.23	
3745200.45	14.50486	(15040418)			
477594.73	3745227.25	13.97408	(11091320)	477595.56	
3745252.55	13.58125	(11091320)			
*** AERMOD - VERSION 21112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998					
Ops\13998 Ops. *** 06/14/22					
*** AERMET - VERSION 16216 ***					
*** ** 13:37:49					

PAGE 108

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: DW3 \*\*\*  
INCLUDING SOURCE(S): L0001091 , L0001092 ,  
L0001093 , L0001094 , L0001095 ,  
L0001096 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	36.87697	(11070219)	477074.98	
3744372.30	36.72453	(11070219)			
477080.97	3744372.68	36.58198	(11070219)	477107.86	
3744373.84	36.12005	(11102417)			
477124.11	3744367.46	35.06970	(11102417)	477136.49	
3744374.23	35.38276	(10101407)			
477195.48	3744375.39	35.28071	(14090307)	477060.86	
3744356.05	35.05533	(11070219)			
477207.61	3744374.97	34.57793	(14090307)	477380.98	
3744305.37	23.93125	(14101817)			
477118.50	3744296.66	28.80644	(11102417)	477490.46	
3744455.43	31.67923	(16050618)			
477668.58	3744413.69	18.17080	(15031518)	476881.02	
3744148.03	18.57464	(16100719)			
477111.89	3745113.29	92.93766	(14113016)	477349.45	
3745114.03	46.39698	(14041207)			
477515.74	3745009.76	29.73481	(15110220)	477454.22	
3745035.49	35.54120	(16040918)			
477015.66	3745168.64	51.71527	(15091118)	476433.55	
3744998.95	33.63867	(10080720)			
477469.06	3745076.86	32.21200	(14041118)	477469.36	
3745103.93	34.28230	(16090507)			
477470.51	3745126.80	34.43923	(16090507)	477594.70	
3745070.21	22.70700	(15110220)			
477649.52	3744560.98	20.92182	(15042919)	477647.52	
3744591.57	21.55720	(15042919)			
477648.60	3744619.76	21.64616	(15111718)	477647.83	
3744648.25	21.90037	(15111718)			
477146.84	3744132.25	19.45486	(11102417)	477147.86	

3744066.56	17.16396	(11102417)	
477147.35	3744041.93	16.42394	(11102417)
3744469.93	46.20845	(11010316)	
476485.33	3744603.88	38.73050	(10032018)
3744160.98	27.25064	(11073022)	
476555.17	3744124.59	26.13234	(10120717)
3744164.61	28.33916	(10070119)	
476605.31	3744108.33	26.22613	(15112217)
3744007.11	14.78618	(10101407)	
477233.51	3743914.78	12.87914	(10101407)
3743419.36	6.84134	(16033018)	
477195.95	3743347.28	6.70210	(11102417)
3743435.19	7.21176	(11102417)	
477985.54	3742759.23	3.63365	(14103017)
3742807.54	3.73223	(14103017)	
477983.73	3742852.83	3.84364	(11101717)
3742920.47	4.67879	(11102417)	
477338.15	3742649.32	3.79581	(11102417)
3742745.94	3.56561	(11101717)	
478076.73	3742704.27	3.46744	(11101717)
3742605.83	3.26297	(14103017)	
477036.28	3742768.62	8.01790	(14091420)
3742710.93	8.14084	(15062820)	
477018.00	3742667.43	8.07397	(15062820)
3742615.41	8.09387	(11070522)	
477608.13	3744100.00	13.44134	(15101717)
3745771.70	9.67979	(15090218)	
475779.08	3744884.39	22.32387	(14090721)
3744834.81	22.46357	(11080420)	
475780.97	3744788.54	21.93626	(16090219)
3744719.15	22.28366	(11070605)	
475791.45	3744684.67	22.41927	(10071022)
3742338.43	2.80364	(14103017)	
477253.02	3745694.62	14.18344	(14113016)
3745697.65	13.91655	(14090718)	
477155.10	3745664.56	14.68974	(14090718)
3745017.99	20.83060	(14071420)	
475773.11	3745186.10	19.12161	(14083119)
3745127.65	20.27425	(15100120)	
477597.84	3745096.57	21.80845	(16031120)
3745123.34	21.84116	(14041118)	
477955.00	3744841.13	12.08764	(14013117)
3744991.00	19.60964	(16092818)	
477936.51	3745026.40	12.77481	(16092818)
3744807.33	18.90191	(11062522)	
477463.22	3745153.00	33.94583	(16090507)
3745177.64	30.97064	(16090507)	
477469.21	3745209.27	26.61345	(16090507)
3745231.24	25.33009	(14102417)	
477462.22	3745259.87	23.85487	(15040418)
3745147.68	21.90197	(14041118)	

\*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\*      06/14/22

\*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*

\*\*\*      13:37:49

PAGE 109

\*\*\* MODELOPTs:      RegDFAULT    CONC    ELEV    URBAN    ADJ\_U\*

\*\*\* THE      1ST HIGHEST    1-HR AVERAGE CONCENTRATION    VALUES FOR  
 SOURCE GROUP:    DW3      \*\*\*  
 INCLUDING SOURCE(S):    L0001091      ,    L0001092      ,  
                          L0001093      ,    L0001094      ,    L0001095      ,

L0001096      ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	21.62318	(14041118)	477595.23	
3745200.45	20.93434	(14041118)			
477594.73	3745227.25	20.63124	(16090507)	477595.56	
3745252.55	20.22234	(16090507)			

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 110

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: GASIDLE \*\*\*  
INCLUDING SOURCE(S): GASIDLE ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3

\*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	24.20313	(16012617)	477074.98	
3744372.30	24.37350	(16012617)			
477080.97	3744372.68	24.48109	(11081920)	477107.86	
3744373.84	25.35420	(10081521)			
477124.11	3744367.46	25.67159	(10081521)	477136.49	
3744374.23	27.10285	(15051418)			
477195.48	3744375.39	28.51252	(15012317)	477060.86	
3744356.05	23.24447	(16012617)			
477207.61	3744374.97	28.65977	(15012317)	477380.98	
3744305.37	26.67821	(11070219)			
477118.50	3744296.66	22.22065	(15051418)	477490.46	
3744455.43	41.66823	(14090307)			
477668.58	3744413.69	28.02469	(10071619)	476881.02	
3744148.03	22.97412	(16012617)			
477111.89	3745113.29	62.76641	(14090218)	477349.45	
3745114.03	98.21085	(10082818)			
477515.74	3745009.76	182.46368	(16090507)	477454.22	
3745035.49	181.56862	(16082607)			
477015.66	3745168.64	42.14083	(14090218)	476433.55	
3744998.95	23.79048	(14062119)			
477469.06	3745076.86	123.25715	(16082607)	477469.36	
3745103.93	98.22391	(16082607)			
477470.51	3745126.80	81.78290	(14113016)	477594.70	
3745070.21	91.96516	(16090507)			
477649.52	3744560.98	48.49357	(10020417)	477647.52	
3744591.57	57.19475	(16050618)			
477648.60	3744619.76	63.67420	(16050618)	477647.83	
3744648.25	67.04238	(16050618)			
477146.84	3744132.25	16.29935	(14061319)	477147.86	
3744066.56	14.50407	(16100719)			
477147.35	3744041.93	13.89112	(16100719)	476685.99	
3744469.93	29.07136	(16092519)			
476485.33	3744603.88	26.08719	(15040318)	476555.37	

3744160.98	21.90855	(16080820)		
476555.17	3744124.59	21.29469	(16080820)	476708.76
3744164.61	23.21244	(10110217)		
476605.31	3744108.33	21.36270	(10080420)	477233.14
3744007.11	13.53608	(11040518)		
477233.51	3743914.78	11.92042	(11040518)	477354.60
3743419.36	7.05157	(11070219)		
477195.95	3743347.28	10.61568	(16092521)	477137.19
3743435.19	12.04341	(11080621)		
477985.54	3742759.23	3.80345	(15062919)	477985.54
3742807.54	3.93818	(15062919)		
477983.73	3742852.83	4.06983	(15062919)	477247.56
3742920.47	7.64131	(10092420)		
477338.15	3742649.32	6.19765	(11070219)	478077.34
3742745.94	3.74745	(15062919)		
478076.73	3742704.27	3.65943	(15062919)	478073.71
3742605.83	3.45149	(15062919)		
477036.28	3742768.62	8.74487	(14091520)	477013.90
3742710.93	8.78695	(14091520)		
477018.00	3742667.43	8.78924	(14091520)	477016.74
3742615.41	8.77541	(14091520)		
477608.13	3744100.00	15.96394	(15062919)	476543.81
3745771.70	15.11274	(10090618)		
475779.08	3744884.39	18.34684	(11080420)	475780.97
3744834.81	17.65245	(16090219)		
475780.97	3744788.54	18.33731	(16090219)	475791.01
3744719.15	18.23424	(10071022)		
475791.45	3744684.67	18.19927	(10071022)	478158.55
3742338.43	2.94940	(15062919)		
477253.02	3745694.62	15.30102	(15091118)	477157.80
3745697.65	14.46117	(16102217)		
477155.10	3745664.56	15.15304	(16102217)	475761.72
3745017.99	17.28835	(14090721)		
475773.11	3745186.10	16.60134	(11070820)	475881.63
3745127.65	17.79018	(14070720)		
477597.84	3745096.57	75.57858	(16090507)	477596.59
3745123.34	63.97272	(14041207)		
477955.00	3744841.13	23.31321	(11062522)	477712.66
3744991.00	45.77930	(16092818)		
477936.51	3745026.40	23.56878	(16092818)	477736.89
3744807.33	49.00874	(16082707)		
477463.22	3745153.00	82.62217	(14113016)	477467.88
3745177.64	73.27844	(14113016)		
477469.21	3745209.27	65.53375	(14113016)	477462.72
3745231.24	62.88290	(14113016)		
477462.22	3745259.87	56.70844	(14113016)	477596.06
3745147.68	57.83780	(14041207)		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                  06/14/22
*** AERMET - VERSION 16216 ***
***                                                                              ***      13:37:49

```

PAGE 111

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: GASIDLE \*\*\*  
INCLUDING SOURCE(S): GASIDLE ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			

```

-----
477594.39 3745174.64 50.98324 (14041207) 477595.23
3745200.45 44.47264 (14041207)
477594.73 3745227.25 38.90550 (15050818) 477595.56
3745252.55 35.72410 (15050818)

```

```

*** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. *** 06/14/22
*** AERMET - VERSION 16216 ***
***
*** 13:37:49

```

PAGE 112

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: IDLEE ***
INCLUDING SOURCE(S): L0001059 , L0001060 ,
L0001061 , L0001062 , L0001063 ,
L0001064 , L0001065 , L0001066 , L0001067 , L0001068 ,
L0001069 , L0001070 , L0001071 ,
L0001072 , L0001073 , L0001074 , L0001075 , L0001076 ,
L0001077 , L0001078 , L0001079 ,
L0001080 , L0001081 , L0001082 , L0001083 , L0001084 ,
L0001085 , L0001086 , . . . ,

```

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD (M)

```

-----
477060.08 3744372.49 57.73390 (11010316) 477074.98
3744372.30 60.21439 (11010316)
477080.97 3744372.68 61.20973 (11010316) 477107.86
3744373.84 64.74763 (11010316)
477124.11 3744367.46 63.08294 (11010316) 477136.49
3744374.23 65.76463 (11010316)
477195.48 3744375.39 60.76281 (16012617) 477060.86
3744356.05 55.59378 (11010316)
477207.61 3744374.97 63.03720 (16012617) 477380.98
3744305.37 60.80834 (11102417)
477118.50 3744296.66 38.65238 (16012617) 477490.46
3744455.43 111.91523 (16050618)
477668.58 3744413.69 41.67830 (11091107) 476881.02
3744148.03 22.30339 (11081419)
477111.89 3745113.29 30.68468 (16010516) 477349.45
3745114.03 35.19960 (14090718)
477515.74 3745009.76 43.30311 (16082607) 477454.22
3745035.49 54.70961 (14113016)
477015.66 3745168.64 24.95783 (16010516) 476433.55
3744998.95 19.97680 (11071020)
477469.06 3745076.86 44.60849 (14113016) 477469.36
3745103.93 41.57433 (14113016)
477470.51 3745126.80 38.94496 (14113016) 477594.70
3745070.21 29.50733 (14013017)
477649.52 3744560.98 44.64619 (11091107) 477647.52
3744591.57 45.77506 (16082707)
477648.60 3744619.76 46.14122 (11062522) 477647.83
3744648.25 45.68633 (14013117)
477146.84 3744132.25 27.98703 (15051418) 477147.86
3744066.56 23.29432 (15012317)
477147.35 3744041.93 22.06084 (15012317) 476685.99
3744469.93 28.62294 (14012417)

```

476485.33	3744603.88	23.59603	(11012917)	476555.37
3744160.98	23.57839	(16092519)		
476555.17	3744124.59	23.39162	(10110219)	476708.76
3744164.61	26.64769	(14051420)		
476605.31	3744108.33	24.07494	(14051420)	477233.14
3744007.11	21.10797	(11100319)		
477233.51	3743914.78	17.56103	(11040518)	477354.60
3743419.36	9.02280	(11070219)		
477195.95	3743347.28	9.60783	(11040518)	477137.19
3743435.19	14.51649	(11062319)		
477985.54	3742759.23	4.42753	(15062919)	477985.54
3742807.54	4.55908	(15062919)		
477983.73	3742852.83	4.69092	(15062919)	477247.56
3742920.47	8.04075	(14012017)		
477338.15	3742649.32	4.51626	(11070219)	478077.34
3742745.94	4.17183	(15061819)		
478076.73	3742704.27	4.07433	(15061819)	478073.71
3742605.83	3.89276	(15062919)		
477036.28	3742768.62	9.70149	(14091520)	477013.90
3742710.93	9.83644	(16070920)		
477018.00	3742667.43	9.75070	(16070920)	477016.74
3742615.41	9.72561	(14091520)		
477608.13	3744100.00	24.38144	(11101717)	476543.81
3745771.70	11.51408	(10112108)		
475779.08	3744884.39	16.31757	(14070720)	475780.97
3744834.81	16.30844	(14071420)		
475780.97	3744788.54	16.37646	(14090721)	475791.01
3744719.15	16.68860	(14090721)		
475791.45	3744684.67	16.71643	(11080420)	478158.55
3742338.43	3.28753	(15062919)		
477253.02	3745694.62	10.86089	(15090318)	477157.80
3745697.65	10.73416	(15091118)		
477155.10	3745664.56	11.15725	(15091118)	475761.72
3745017.99	15.41649	(15100120)		
475773.11	3745186.10	14.33367	(16062420)	475881.63
3745127.65	15.21417	(11082806)		
477597.84	3745096.57	27.83085	(14013017)	477596.59
3745123.34	26.34418	(14013017)		
477955.00	3744841.13	19.06522	(16092818)	477712.66
3744991.00	29.67731	(16090507)		
477936.51	3745026.40	17.49570	(14041118)	477736.89
3744807.33	31.39767	(15110220)		
477463.22	3745153.00	37.14522	(14113016)	477467.88
3745177.64	34.19702	(14113016)		
477469.21	3745209.27	31.21467	(14113016)	477462.72
3745231.24	29.57295	(14113016)		
477462.22	3745259.87	27.22492	(14113016)	477596.06
3745147.68	24.90502	(14013017)		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                   06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                               13:37:49

```

PAGE 113

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: IDLEE ***
INCLUDING SOURCE(S): L0001059 , L0001060 ,
L0001061 , L0001062 , L0001063 ,
L0001064 , L0001065 , L0001066 , L0001067 , L0001068 ,
L0001069 , L0001070 , L0001071 ,
L0001072 , L0001073 , L0001074 , L0001075 , L0001076 ,
L0001077 , L0001078 , L0001079 ,
L0001080 , L0001081 , L0001082 , L0001083 , L0001084 ,
L0001085 , L0001086 , . . . ,

```

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	23.31329	(14013017)	477595.23	
3745200.45	21.81323	(14013017)			
477594.73	3745227.25	20.75529	(16091223)	477595.56	
3745252.55	19.75573	(16091223)			

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 114

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: IDLEW \*\*\*  
INCLUDING SOURCE(S): L0001027 , L0001028 ,  
L0001029 , L0001030 , L0001031 ,  
L0001032 , L0001033 , L0001034 , L0001035 , L0001036 ,  
L0001037 , L0001038 , L0001039 ,  
L0001040 , L0001041 , L0001042 , L0001043 , L0001044 ,  
L0001045 , L0001046 , L0001047 ,  
L0001048 , L0001049 , L0001050 , L0001051 , L0001052 ,  
L0001053 , L0001054 , . . . ,


\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	88.56556	(15051418)	477074.98	
3744372.30	80.97030	(15051418)			
477080.97	3744372.68	83.80928	(14111116)	477107.86	
3744373.84	90.45794	(11070219)			
477124.11	3744367.46	88.27559	(11070219)	477136.49	
3744374.23	90.44422	(11070219)			
477195.48	3744375.39	102.85301	(14090307)	477060.86	
3744356.05	75.47667	(15051418)			
477207.61	3744374.97	92.65500	(14090307)	477380.98	
3744305.37	42.66784	(10020417)			
477118.50	3744296.66	59.61526	(11070219)	477490.46	
3744455.43	35.75101	(11091107)			
477668.58	3744413.69	21.29772	(15042919)	476881.02	
3744148.03	26.18115	(10081521)			
477111.89	3745113.29	35.77916	(10082818)	477349.45	
3745114.03	27.60760	(14013017)			
477515.74	3745009.76	26.64069	(16090507)	477454.22	
3745035.49	29.06741	(14041207)			
477015.66	3745168.64	28.88645	(15091118)	476433.55	
3744998.95	25.17110	(10092718)			
477469.06	3745076.86	25.09105	(14041207)	477469.36	
3745103.93	23.29014	(11091320)			
477470.51	3745126.80	22.35628	(11070423)	477594.70	
3745070.21	20.55960	(14102417)			



477649.52	3744560.98	22.99817	(11100518)	477647.52
3744591.57	23.68191	(11062522)		
477648.60	3744619.76	23.64687	(11062522)	477647.83
3744648.25	23.10299	(11062522)		
477146.84	3744132.25	31.58775	(11070219)	477147.86
3744066.56	26.37296	(11070219)		
477147.35	3744041.93	24.81963	(11070219)	476685.99
3744469.93	28.52477	(15031418)		
476485.33	3744603.88	31.58326	(15072919)	476555.37
3744160.98	28.88512	(16111619)		
476555.17	3744124.59	28.39000	(10032021)	476708.76
3744164.61	33.85702	(11081419)		
476605.31	3744108.33	29.65556	(10080420)	477233.14
3744007.11	21.97291	(10101407)		
477233.51	3743914.78	18.14588	(10101407)	477354.60
3743419.36	8.44760	(10101407)		
477195.95	3743347.28	8.05236	(11102417)	477137.19
3743435.19	9.12842	(11070219)		
477985.54	3742759.23	4.08781	(14103017)	477985.54
3742807.54	4.24543	(11101717)		
477983.73	3742852.83	4.40306	(11101717)	477247.56
3742920.47	5.40426	(11102417)		
477338.15	3742649.32	4.36519	(11102417)	478077.34
3742745.94	4.02075	(11101717)		
478076.73	3742704.27	3.91699	(11101717)	478073.71
3742605.83	3.65604	(11101717)		
477036.28	3742768.62	9.06058	(15062820)	477013.90
3742710.93	9.19991	(15090620)		
477018.00	3742667.43	9.18419	(15090620)	477016.74
3742615.41	9.19075	(15090620)		
477608.13	3744100.00	17.56319	(11101517)	476543.81
3745771.70	7.74473	(10093023)		
475779.08	3744884.39	18.91437	(14070720)	475780.97
3744834.81	18.82952	(14071420)		
475780.97	3744788.54	18.60814	(10051320)	475791.01
3744719.15	19.33195	(14090721)		
475791.45	3744684.67	19.16722	(11080420)	478158.55
3742338.43	3.09569	(14103017)		
477253.02	3745694.62	10.54867	(14090718)	477157.80
3745697.65	11.05360	(14090718)		
477155.10	3745664.56	11.56403	(14090718)	475761.72
3745017.99	17.24961	(14083119)		
475773.11	3745186.10	15.89801	(10072020)	475881.63
3745127.65	16.95966	(10072020)		
477597.84	3745096.57	19.93983	(14102417)	477596.59
3745123.34	19.29911	(14102417)		
477955.00	3744841.13	12.75692	(16092818)	477712.66
3744991.00	17.33850	(14041118)		
477936.51	3745026.40	11.61389	(15110220)	477736.89
3744807.33	18.99391	(16092818)		
477463.22	3745153.00	21.62209	(11070423)	477467.88
3745177.64	20.49445	(11070423)		
477469.21	3745209.27	19.12604	(11070423)	477462.72
3745231.24	18.68728	(14013017)		
477462.22	3745259.87	17.96375	(14013017)	477596.06
3745147.68	18.55482	(15040418)		


 \*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\*      06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      13:37:49

PAGE 115

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
 SOURCE GROUP: IDLEW \*\*\*

INCLUDING SOURCE(S): L0001027 , L0001028 ,  
 L0001029 , L0001030 , L0001031 ,  
 L0001032 , L0001033 , L0001034 , L0001035 , L0001036 ,  
 L0001037 , L0001038 , L0001039 ,  
 L0001040 , L0001041 , L0001042 , L0001043 , L0001044 ,  
 L0001045 , L0001046 , L0001047 ,  
 L0001048 , L0001049 , L0001050 , L0001051 , L0001052 ,  
 L0001053 , L0001054 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

X-COORD (M)		Y-COORD (M)		CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)					
477594.39	3745174.64	17.81829	(15040418)		477595.23		
3745200.45	16.97707	(15040418)					
477594.73	3745227.25	16.04504	(15040418)		477595.56		
3745252.55	15.56852	(11091320)					

\*\*\* AERMOD - VERSION 21112 \*\*\*  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 \*\*\* 13:37:49

PAGE 116

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
 SOURCE GROUP: LOAD \*\*\*  
 INCLUDING SOURCE(S): LOAD ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

X-COORD (M)		Y-COORD (M)		CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)					
477060.08	3744372.49	24.46052	(16012617)		477074.98		
3744372.30	24.81283	(11081920)					
477080.97	3744372.68	24.98315	(11081920)		477107.86		
3744373.84	26.06607	(10081521)					
477124.11	3744367.46	26.70136	(15051418)		477136.49		
3744374.23	27.85205	(15051418)					
477195.48	3744375.39	28.82624	(14061319)		477060.86		
3744356.05	23.56980	(11081920)					
477207.61	3744374.97	29.00540	(14061319)		477380.98		
3744305.37	26.33039	(11070219)					
477118.50	3744296.66	22.50681	(10092619)		477490.46		
3744455.43	39.25334	(14090307)					
477668.58	3744413.69	27.50244	(10071619)		476881.02		
3744148.03	22.88526	(16012617)					
477111.89	3745113.29	62.49905	(14090218)		477349.45		
3745114.03	102.40990	(15090407)					
477515.74	3745009.76	174.72632	(16090507)		477454.22		
3745035.49	168.05385	(16082607)					
477015.66	3745168.64	42.64956	(14090218)		476433.55		
3744998.95	23.86533	(14062119)					
477469.06	3745076.86	118.21893	(16082607)		477469.36		
3745103.93	98.76912	(16082607)					
477470.51	3745126.80	83.60472	(16082607)		477594.70		

3745070.21	87.37484	(16090507)	
477649.52	3744560.98	47.66689	(16050618)
3744591.57	55.22034	(16050618)	
477648.60	3744619.76	59.72063	(16050618)
3744648.25	61.11527	(16050618)	
477146.84	3744132.25	16.38950	(16100719)
3744066.56	14.49090	(16100719)	
477147.35	3744041.93	13.87600	(11071520)
3744469.93	29.27659	(16092519)	
476485.33	3744603.88	26.33783	(15040318)
3744160.98	21.82818	(16080820)	
476555.17	3744124.59	21.24976	(10060601)
3744164.61	23.20003	(10110217)	
476605.31	3744108.33	21.26466	(10080420)
3744007.11	13.83291	(11040518)	
477233.51	3743914.78	12.11598	(11040518)
3743419.36	7.03246	(11070219)	
477195.95	3743347.28	10.34520	(15012817)
3743435.19	11.75471	(11080621)	
477985.54	3742759.23	3.80471	(15062919)
3742807.54	3.93478	(15062919)	
477983.73	3742852.83	4.06237	(15062919)
3742920.47	7.48933	(10092420)	
477338.15	3742649.32	3.86048	(11070219)
3742745.94	3.72319	(15062919)	
478076.73	3742704.27	3.63985	(15062919)
3742605.83	3.44196	(15062919)	
477036.28	3742768.62	8.63871	(14091520)
3742710.93	8.73019	(14091520)	
477018.00	3742667.43	8.72062	(14091520)
3742615.41	8.70515	(14091520)	
477608.13	3744100.00	15.87859	(15062919)
3745771.70	15.09003	(10090618)	
475779.08	3744884.39	18.40034	(11080420)
3744834.81	17.77199	(16090219)	
475780.97	3744788.54	18.40040	(16090219)
3744719.15	18.31847	(10071022)	
475791.45	3744684.67	18.22451	(10071022)
3742338.43	2.94178	(15062919)	
477253.02	3745694.62	15.34028	(15091118)
3745697.65	14.68432	(16102217)	
477155.10	3745664.56	15.45081	(16102217)
3745017.99	17.32848	(14090721)	
475773.11	3745186.10	16.60842	(11070820)
3745127.65	17.77396	(14070720)	
477597.84	3745096.57	75.22426	(16090507)
3745123.34	60.88845	(16090507)	
477955.00	3744841.13	22.56774	(11062522)
3744991.00	44.15745	(16092818)	
477936.51	3745026.40	22.83475	(16092818)
3744807.33	45.27255	(16082707)	
477463.22	3745153.00	70.75759	(14113016)
3745177.64	63.74524	(14113016)	
477469.21	3745209.27	58.59380	(14113016)
3745231.24	58.08835	(14113016)	
477462.22	3745259.87	53.41468	(14113016)
3745147.68	55.72848	(14041207)	

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                   06/14/22
*** AERMET - VERSION 16216 ***
***
***

```

13:37:49

PAGE 117

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR

SOURCE GROUP: LOAD \*\*\*  
INCLUDING SOURCE(S): LOAD ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	49.99518	(14041207)	477595.23	
3745200.45	44.22665	(14041207)			
477594.73	3745227.25	38.62073	(14041207)	477595.56	
3745252.55	34.70649	(15050818)			

\*\*\* AERMOD - VERSION 21112 \*\*\*  
Ops\13998 Ops. \*\*\* 06/14/22 \*\*\*  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
\*\*\* 13:37:49

PAGE 118

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: NEV100 \*\*\*


INCLUDING SOURCE(S): L0001240 , L0001241 ,  
L0001242 , L0001243 , L0001244 ,  
L0001245 , L0001246 , L0001247 , L0001248 , L0001249 ,  
L0001250 , L0001251 , L0001252 ,  
L0001253 , L0001254 , L0001255 , L0001256 , L0001257 ,  
L0001258 , L0001259 , L0001260 ,  
L0001261 , L0001262 , L0001263 , L0001264 , L0001265 ,  
L0001266 , L0001267 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	123.84100	(14041207)	477074.98	
3744372.30	83.91139	(14041207)			
477080.97	3744372.68	73.72973	(14041207)	477107.86	
3744373.84	46.08039	(14041207)			
477124.11	3744367.46	37.04310	(14041207)	477136.49	
3744374.23	31.82129	(14041207)			
477195.48	3744375.39	18.30059	(14041207)	477060.86	
3744356.05	123.10204	(14041207)			
477207.61	3744374.97	16.69987	(14041207)	477380.98	
3744305.37	8.11722	(16062006)			
477118.50	3744296.66	41.26936	(14041207)	477490.46	
3744455.43	5.28252	(16062006)			
477668.58	3744413.69	4.11901	(14102417)	476881.02	
3744148.03	15.88992	(10101623)			
477111.89	3745113.29	6.12841	(15090318)	477349.45	
3745114.03	4.65490	(10100517)			
477515.74	3745009.76	3.93648	(14013017)	477454.22	
3745035.49	4.18224	(10100517)			
477015.66	3745168.64	6.34722	(15091118)	476433.55	
3744998.95	6.59630	(10040920)			
477469.06	3745076.86	4.03012	(10100517)	477469.36	
3745103.93	3.99030	(10100517)			

477470.51	3745126.80	3.95041	(10100517)	477594.70
3745070.21	3.53326	(14013017)		
477649.52	3744560.98	4.02760	(14102417)	477647.52
3744591.57	4.01506	(14102417)		
477648.60	3744619.76	3.99070	(14102417)	477647.83
3744648.25	3.97456	(14102417)		
477146.84	3744132.25	32.79170	(14041207)	477147.86
3744066.56	37.67038	(14041207)		
477147.35	3744041.93	41.02122	(14041207)	476685.99
3744469.93	9.99581	(10040920)		
476485.33	3744603.88	7.98042	(10101623)	476555.37
3744160.98	9.82064	(10061520)		
476555.17	3744124.59	9.93356	(14092619)	476708.76
3744164.61	10.69974	(10090618)		
476605.31	3744108.33	9.50907	(10090618)	477233.14
3744007.11	20.91735	(14041207)		
477233.51	3743914.78	26.49370	(14041207)	477354.60
3743419.36	48.34014	(11091107)		
477195.95	3743347.28	25.17448	(14090218)	477137.19
3743435.19	20.86656	(16061019)		
477985.54	3742759.23	24.49233	(14041207)	477985.54
3742807.54	23.34656	(14041207)		
477983.73	3742852.83	21.57592	(14041207)	477247.56
3742920.47	11.25987	(15082819)		
477338.15	3742649.32	11.77764	(14062119)	478077.34
3742745.94	12.50570	(11091107)		
478076.73	3742704.27	13.81539	(11091107)	478073.71
3742605.83	15.87843	(11091107)		
477036.28	3742768.62	8.71803	(14070720)	477013.90
3742710.93	8.69992	(14071420)		
477018.00	3742667.43	9.03126	(14090721)	477016.74
3742615.41	9.16632	(11080420)		
477608.13	3744100.00	5.98411	(16062006)	476543.81
3745771.70	4.12258	(15071719)		
475779.08	3744884.39	6.92976	(16080220)	475780.97
3744834.81	6.88900	(16080220)		
475780.97	3744788.54	6.82952	(16081820)	475791.01
3744719.15	6.86524	(16081820)		
475791.45	3744684.67	6.81890	(16081820)	478158.55
3742338.43	11.09509	(15101717)		
477253.02	3745694.62	3.46022	(14090718)	477157.80
3745697.65	3.42464	(15090318)		
477155.10	3745664.56	3.51448	(15090318)	475761.72
3745017.99	6.70498	(10100219)		
475773.11	3745186.10	6.44400	(16062220)	475881.63
3745127.65	6.64256	(15083119)		
477597.84	3745096.57	3.46688	(14013017)	477596.59
3745123.34	3.42040	(16091223)		
477955.00	3744841.13	2.83452	(14102417)	477712.66
3744991.00	3.24672	(11070423)		
477936.51	3745026.40	2.68692	(15040418)	477736.89
3744807.33	3.43419	(14102417)		
477463.22	3745153.00	3.94745	(10100517)	477467.88
3745177.64	3.88362	(10100517)		
477469.21	3745209.27	3.82398	(10100517)	477462.72
3745231.24	3.81273	(10100517)		
477462.22	3745259.87	3.76090	(10100517)	477596.06
3745147.68	3.38805	(16091223)		

 \*\*\* AERMOD - VERSION 21112 \*\*\*      \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\*      06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*      \*\*\*      13:37:49

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: NEV100 \*\*\*

INCLUDING SOURCE(S): L0001240 , L0001241 ,  
L0001242 , L0001243 , L0001244 ,  
L0001245 , L0001246 , L0001247 , L0001248 , L0001249 ,  
L0001250 , L0001251 , L0001252 ,  
L0001253 , L0001254 , L0001255 , L0001256 , L0001257 ,  
L0001258 , L0001259 , L0001260 ,  
L0001261 , L0001262 , L0001263 , L0001264 , L0001265 ,  
L0001266 , L0001267 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	3.35265 (16091223)	477595.23	
3745200.45	3.31355 (11040718)			
477594.73	3745227.25	3.28505 (11040718)	477595.56	
3745252.55	3.25013 (10100517)			

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 120

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: NEV50 \*\*\*

INCLUDING SOURCE(S): L0001211 , L0001212 ,  
L0001213 , L0001214 , L0001215 ,  
L0001216 , L0001217 , L0001218 , L0001219 , L0001220 ,  
L0001221 , L0001222 , L0001223 ,  
L0001224 , L0001225 , L0001226 , L0001227 , L0001228 ,  
L0001229 , L0001230 , L0001231 ,  
L0001232 , L0001233 , L0001234 , L0001235 , L0001236 ,  
L0001237 , L0001238 , L0001239 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	62.68312 (11102417)	477074.98	
3744372.30	61.68991 (11102417)			
477080.97	3744372.68	62.81199 (14090307)	477107.86	
3744373.84	71.18351 (14090307)			
477124.11	3744367.46	67.22395 (14090307)	477136.49	
3744374.23	65.76683 (14090307)			
477195.48	3744375.39	52.64162 (14021817)	477060.86	
3744356.05	57.90674 (11102417)			
477207.61	3744374.97	49.20552 (14012917)	477380.98	
3744305.37	30.19777 (16050618)			
477118.50	3744296.66	45.34648 (14090307)	477490.46	
3744455.43	26.35414 (11100617)			
477668.58	3744413.69	17.57869 (15042919)	476881.02	
3744148.03	25.32386 (16100719)			

477111.89	3745113.29	55.92323	(14113016)	477349.45
3745114.03	28.31648	(14041207)		
477515.74	3745009.76	23.22802	(14041118)	477454.22
3745035.49	26.79484	(16090507)		
477015.66	3745168.64	35.25487	(10082818)	476433.55
3744998.95	30.32698	(10092718)		
477469.06	3745076.86	24.33934	(16090507)	477469.36
3745103.93	23.03100	(14102417)		
477470.51	3745126.80	22.32893	(14102417)	477594.70
3745070.21	18.86929	(14041118)		
477649.52	3744560.98	18.97194	(15012407)	477647.52
3744591.57	19.26550	(11100518)		
477648.60	3744619.76	19.55191	(11062522)	477647.83
3744648.25	19.96701	(11062522)		
477146.84	3744132.25	25.56299	(10101407)	477147.86
3744066.56	22.02953	(10101407)		
477147.35	3744041.93	20.90754	(10101407)	476685.99
3744469.93	44.89242	(11010316)		
476485.33	3744603.88	37.65178	(10070121)	476555.37
3744160.98	31.33311	(10110217)		
476555.17	3744124.59	30.04880	(10010317)	476708.76
3744164.61	32.43650	(16070619)		
476605.31	3744108.33	30.81249	(11073022)	477233.14
3744007.11	18.83024	(15062919)		
477233.51	3743914.78	15.71831	(16102717)	477354.60
3743419.36	7.81795	(16102717)		
477195.95	3743347.28	7.52376	(11102417)	477137.19
3743435.19	8.38867	(11102417)		
477985.54	3742759.23	3.92391	(11101717)	477985.54
3742807.54	4.04789	(11101717)		
477983.73	3742852.83	4.16597	(11101717)	477247.56
3742920.47	5.08657	(11102417)		
477338.15	3742649.32	4.13192	(10101407)	478077.34
3742745.94	3.79460	(14012917)		
478076.73	3742704.27	3.70652	(14012917)	478073.71
3742605.83	3.51462	(11101717)		
477036.28	3742768.62	8.69850	(14091420)	477013.90
3742710.93	8.85083	(14091420)		
477018.00	3742667.43	8.79125	(14091420)	477016.74
3742615.41	8.72999	(14091420)		
477608.13	3744100.00	14.60325	(11041818)	476543.81
3745771.70	8.81526	(10062119)		
475779.08	3744884.39	20.60395	(14071420)	475780.97
3744834.81	20.39186	(10051320)		
475780.97	3744788.54	21.04805	(14090721)	475791.01
3744719.15	21.16755	(11080420)		
475791.45	3744684.67	20.76513	(11080420)	478158.55
3742338.43	2.97557	(11101717)		
477253.02	3745694.62	11.20129	(14113016)	477157.80
3745697.65	11.38004	(14090718)		
477155.10	3745664.56	11.92895	(14090718)	475761.72
3745017.99	19.04429	(15100120)		
475773.11	3745186.10	17.57311	(10072020)	475881.63
3745127.65	18.84932	(16062420)		
477597.84	3745096.57	18.36026	(14041118)	477596.59
3745123.34	17.78300	(14041118)		
477955.00	3744841.13	11.50681	(14013117)	477712.66
3744991.00	15.48783	(15110220)		
477936.51	3745026.40	10.85084	(16092818)	477736.89
3744807.33	16.49172	(14013117)		
477463.22	3745153.00	21.55012	(14102417)	477467.88
3745177.64	20.54295	(15040418)		
477469.21	3745209.27	19.25725	(15040418)	477462.72
3745231.24	18.36657	(11091320)		
477462.22	3745259.87	17.73851	(11091320)	477596.06
3745147.68	17.06476	(14041118)		

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: NEV50 \*\*\*  
INCLUDING SOURCE(S): L0001211 , L0001212 ,  
L0001213 , L0001214 , L0001215 ,  
L0001216 , L0001217 , L0001218 , L0001219 , L0001220 ,  
L0001221 , L0001222 , L0001223 ,  
L0001224 , L0001225 , L0001226 , L0001227 , L0001228 ,  
L0001229 , L0001230 , L0001231 ,  
L0001232 , L0001233 , L0001234 , L0001235 , L0001236 ,  
L0001237 , L0001238 , L0001239 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF DPM	IN			
		MICROGRAMS/M**3				
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD	
(M)	CONC	(YYMMDDHH)				
477594.39	3745174.64	16.75678	(14102417)	477595.23		
3745200.45	16.57512	(14102417)				
477594.73	3745227.25	16.27344	(14102417)	477595.56		
3745252.55	15.80498	(14102417)				

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: OFFRET \*\*\*  
INCLUDING SOURCE(S): L0001714 , L0001715 ,  
L0001716 , L0001717 , L0001718 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

		** CONC OF DPM	IN			
		MICROGRAMS/M**3				
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD	
(M)	CONC	(YYMMDDHH)				
477060.08	3744372.49	33.98387	(11070219)	477074.98		
3744372.30	33.90816	(11102417)				
477080.97	3744372.68	33.90487	(11102417)	477107.86		
3744373.84	33.30508	(10101407)				
477124.11	3744367.46	32.35589	(10101407)	477136.49		
3744374.23	32.54010	(16102717)				
477195.48	3744375.39	32.01955	(15062919)	477060.86		
3744356.05	32.34435	(11070219)				
477207.61	3744374.97	31.43106	(15062919)	477380.98		
3744305.37	22.22257	(10071619)				
477118.50	3744296.66	26.80425	(10101407)	477490.46		
3744455.43	28.07742	(16050618)				



477668.58	3744413.69	16.86371	(15031518)	476881.02
3744148.03	17.91360	(14042920)		
477111.89	3745113.29	101.14453	(14113016)	477349.45
3745114.03	51.37567	(16090507)		
477515.74	3745009.76	28.36118	(16092818)	477454.22
3745035.49	31.76020	(15110220)		
477015.66	3745168.64	62.03055	(10082818)	476433.55
3744998.95	35.77604	(10120517)		
477469.06	3745076.86	28.82818	(14041118)	477469.36
3745103.93	29.01293	(14041118)		
477470.51	3745126.80	28.52717	(14041118)	477594.70
3745070.21	21.78158	(15110220)		
477649.52	3744560.98	19.18819	(15042919)	477647.52
3744591.57	19.84439	(15042919)		
477648.60	3744619.76	19.90533	(14100418)	477647.83
3744648.25	20.21849	(15111718)		
477146.84	3744132.25	18.41233	(10101407)	477147.86
3744066.56	16.25334	(10101407)		
477147.35	3744041.93	15.54291	(10101407)	476685.99
3744469.93	36.23124	(11010316)		
476485.33	3744603.88	40.31595	(15031418)	476555.37
3744160.98	27.11405	(10120717)		
476555.17	3744124.59	26.21151	(15112217)	476708.76
3744164.61	28.45789	(10070119)		
476605.31	3744108.33	26.60028	(16070619)	477233.14
3744007.11	14.26270	(16102717)		
477233.51	3743914.78	12.26321	(16102717)	477354.60
3743419.36	6.70528	(16102717)		
477195.95	3743347.28	6.53543	(11102417)	477137.19
3743435.19	7.14799	(11102417)		
477985.54	3742759.23	3.55976	(14103017)	477985.54
3742807.54	3.66753	(11101717)		
477983.73	3742852.83	3.79635	(11101717)	477247.56
3742920.47	4.57455	(11102417)		
477338.15	3742649.32	3.73627	(10101407)	478077.34
3742745.94	3.50953	(11101717)		
478076.73	3742704.27	3.42107	(11101717)	478073.71
3742605.83	3.20092	(11101717)		
477036.28	3742768.62	7.97083	(14091420)	477013.90
3742710.93	8.11433	(14091420)		
477018.00	3742667.43	8.06846	(14091420)	477016.74
3742615.41	8.02412	(14091420)		
477608.13	3744100.00	12.81649	(15101717)	476543.81
3745771.70	10.06280	(10093023)		
475779.08	3744884.39	22.96346	(11080420)	475780.97
3744834.81	22.82112	(11080420)		
475780.97	3744788.54	23.07031	(16090219)	475791.01
3744719.15	23.10568	(10071022)		
475791.45	3744684.67	23.05493	(11082922)	478158.55
3742338.43	2.75947	(14103017)		
477253.02	3745694.62	13.84574	(14113016)	477157.80
3745697.65	14.36729	(14113016)		
477155.10	3745664.56	15.50187	(14113016)	475761.72
3745017.99	21.59787	(14071420)		
475773.11	3745186.10	19.56218	(15032419)	475881.63
3745127.65	21.31473	(15100120)		
477597.84	3745096.57	21.04753	(15110220)	477596.59
3745123.34	20.19875	(16031120)		
477955.00	3744841.13	11.80433	(11062522)	477712.66
3744991.00	18.11463	(16092818)		
477936.51	3745026.40	11.87331	(16092818)	477736.89
3744807.33	17.85824	(11062522)		
477463.22	3745153.00	30.30610	(16090507)	477467.88
3745177.64	29.70337	(16090507)		
477469.21	3745209.27	28.13381	(16090507)	477462.72
3745231.24	26.47532	(16090507)		

477462.22 3745259.87 23.95261 (14102417) 477596.06  
3745147.68 19.90765 (16031120)

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 123

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: OFFRET \*\*\*  
INCLUDING SOURCE(S): L0001714 , L0001715 ,  
L0001716 , L0001717 , L0001718 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	20.21723	(14041118)	477595.23	
3745200.45	20.10453	(14041118)			
477594.73	3745227.25	19.73613	(14041118)	477595.56	
3745252.55	19.05924	(14041118)			

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 124

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: ONE \*\*\*  
INCLUDING SOURCE(S): L0001141 , L0001142 ,  
L0001143 , L0001144 , L0001145 ,  
L0001146 , L0001147 , L0001148 , L0001149 , L0001150 ,  
L0001151 , L0001152 , L0001153 ,  
L0001154 , L0001155 , L0001156 , L0001157 , L0001158 ,  
L0001159 , L0001160 , L0001161 ,  
L0001162 , L0001163 , L0001164 , L0001165 , L0001166 ,  
L0001167 , L0001168 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	26.81752	(11010316)	477074.98	
3744372.30	27.81765	(11010316)			
477080.97	3744372.68	28.24781	(11010316)	477107.86	
3744373.84	30.06750	(11010316)			
477124.11	3744367.46	30.08887	(11010316)	477136.49	
3744374.23	31.45041	(11010316)			
477195.48	3744375.39	33.96703	(16012617)	477060.86	
3744356.05	26.01736	(11010316)			
477207.61	3744374.97	35.36163	(10081521)	477380.98	
3744305.37	41.33313	(11102417)			

477118.50	3744296.66	24.41849	(16012617)	477490.46
3744455.43	69.48143	(10020417)		
477668.58	3744413.69	34.03802	(16050618)	476881.02
3744148.03	17.56394	(14100219)		
477111.89	3745113.29	39.78155	(16010516)	477349.45
3745114.03	38.31253	(14090718)		
477515.74	3745009.76	50.32732	(14041207)	477454.22
3745035.49	48.92172	(14041207)		
477015.66	3745168.64	31.36994	(16010516)	476433.55
3744998.95	21.45560	(10080720)		
477469.06	3745076.86	38.05682	(14041207)	477469.36
3745103.93	33.37024	(14113016)		
477470.51	3745126.80	31.54912	(14113016)	477594.70
3745070.21	32.44076	(14041207)		
477649.52	3744560.98	40.04825	(11091107)	477647.52
3744591.57	39.99396	(11091107)		
477648.60	3744619.76	38.49975	(11091107)	477647.83
3744648.25	36.55054	(11091107)		
477146.84	3744132.25	19.28324	(15012317)	477147.86
3744066.56	17.09412	(16100719)		
477147.35	3744041.93	16.35037	(16100719)	476685.99
3744469.93	23.05503	(15031418)		
476485.33	3744603.88	21.67745	(10070121)	476555.37
3744160.98	18.49092	(16100618)		
476555.17	3744124.59	18.07868	(16100618)	476708.76
3744164.61	19.92202	(10080420)		
476605.31	3744108.33	18.50248	(16080820)	477233.14
3744007.11	16.62168	(11040518)		
477233.51	3743914.78	14.31538	(11040518)	477354.60
3743419.36	7.73132	(11070219)		
477195.95	3743347.28	8.35646	(11040518)	477137.19
3743435.19	11.65538	(11100319)		
477985.54	3742759.23	4.08823	(15062919)	477985.54
3742807.54	4.20206	(15062919)		
477983.73	3742852.83	4.31619	(15062919)	477247.56
3742920.47	7.31258	(11070219)		
477338.15	3742649.32	4.56576	(11070219)	478077.34
3742745.94	3.86555	(15061819)		
478076.73	3742704.27	3.77961	(15061819)	478073.71
3742605.83	3.61583	(15062919)		
477036.28	3742768.62	8.77063	(14091520)	477013.90
3742710.93	8.88132	(14091520)		
477018.00	3742667.43	8.85482	(14091520)	477016.74
3742615.41	8.82524	(14091520)		
477608.13	3744100.00	19.60054	(11101717)	476543.81
3745771.70	11.64680	(10101623)		
475779.08	3744884.39	16.31731	(14090721)	475780.97
3744834.81	16.16586	(14090721)		
475780.97	3744788.54	16.15639	(11080420)	475791.01
3744719.15	15.87607	(16090219)		
475791.45	3744684.67	16.06714	(16090219)	478158.55
3742338.43	3.07774	(15062919)		
477253.02	3745694.62	11.56019	(15090318)	477157.80
3745697.65	11.83192	(15091118)		
477155.10	3745664.56	12.39558	(15091118)	475761.72
3745017.99	15.77497	(14070720)		
475773.11	3745186.10	14.82977	(14083119)	475881.63
3745127.65	15.35832	(10022620)		
477597.84	3745096.57	29.81895	(14041207)	477596.59
3745123.34	27.45895	(14041207)		
477955.00	3744841.13	16.70815	(14013117)	477712.66
3744991.00	24.56137	(14041118)		
477936.51	3745026.40	15.07301	(15110220)	477736.89
3744807.33	27.08616	(14013117)		
477463.22	3745153.00	31.01998	(14113016)	477467.88
3745177.64	28.62776	(14113016)		

477469.21 3745209.27 26.50937 (14113016) 477462.72  
3745231.24 25.83254 (14113016)  
477462.22 3745259.87 24.21481 (14113016) 477596.06  
3745147.68 25.26918 (14041207)

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 125

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: ONE \*\*\*  
INCLUDING SOURCE(S): L0001141 , L0001142 ,  
L0001143 , L0001144 , L0001145 ,  
L0001146 , L0001147 , L0001148 , L0001149 , L0001150 ,  
L0001151 , L0001152 , L0001153 ,  
L0001154 , L0001155 , L0001156 , L0001157 , L0001158 ,  
L0001159 , L0001160 , L0001161 ,  
L0001162 , L0001163 , L0001164 , L0001165 , L0001166 ,  
L0001167 , L0001168 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	22.91878	(14041207)	477595.23	
3745200.45	21.54706	(11070423)			
477594.73	3745227.25	20.63655	(14013017)	477595.56	
3745252.55	19.80358	(14013017)			

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 126

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: ONRET \*\*\*  
INCLUDING SOURCE(S): L0001632 , L0001633 ,  
L0001634 , L0001635 , L0001636 ,  
L0001637 , L0001638 , L0001639 , L0001640 , L0001641 ,  
L0001642 , L0001643 , L0001644 ,  
L0001645 , L0001646 , L0001647 , L0001648 , L0001649 ,  
L0001650 , L0001651 , L0001652 ,  
L0001653 , L0001654 , L0001655 , L0001656 , L0001657 ,  
L0001658 , L0001659 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	23.81200	(14061319)	477074.98	
3744372.30	23.84117	(16100719)			

477080.97	3744372.68	23.86512	(16100719)	477107.86
3744373.84	23.97462	(14042920)		
477124.11	3744367.46	23.94603	(11040518)	477136.49
3744374.23	24.71515	(11040518)		
477195.48	3744375.39	25.93605	(11070219)	477060.86
3744356.05	22.93758	(14061319)		
477207.61	3744374.97	26.00864	(11070219)	477380.98
3744305.37	21.27625	(15062919)		
477118.50	3744296.66	20.59235	(11040518)	477490.46
3744455.43	27.84617	(10071619)		
477668.58	3744413.69	20.92269	(16050618)	476881.02
3744148.03	15.16511	(10081521)		
477111.89	3745113.29	48.72057	(15071719)	477349.45
3745114.03	53.43633	(14041207)		
477515.74	3745009.76	64.41470	(16090507)	477454.22
3745035.49	78.42795	(14041207)		
477015.66	3745168.64	38.92157	(16010516)	476433.55
3744998.95	27.61223	(10052121)		
477469.06	3745076.86	61.71761	(14041207)	477469.36
3745103.93	54.78661	(14041207)		
477470.51	3745126.80	49.32962	(14041207)	477594.70
3745070.21	38.06489	(16090507)		
477649.52	3744560.98	30.44407	(16050618)	477647.52
3744591.57	30.50356	(16050618)		
477648.60	3744619.76	30.72988	(11091107)	477647.83
3744648.25	32.93970	(11091107)		
477146.84	3744132.25	15.69603	(11040518)	477147.86
3744066.56	14.12650	(11040518)		
477147.35	3744041.93	13.60053	(11040518)	476685.99
3744469.93	29.53237	(16111017)		
476485.33	3744603.88	29.80440	(10032018)	476555.37
3744160.98	21.47689	(10110217)		
476555.17	3744124.59	20.95185	(14110617)	476708.76
3744164.61	21.97178	(10120717)		
476605.31	3744108.33	21.05537	(16092520)	477233.14
3744007.11	13.17750	(11070219)		
477233.51	3743914.78	11.56148	(11070219)	477354.60
3743419.36	6.54652	(11102417)		
477195.95	3743347.28	6.84483	(11070219)	477137.19
3743435.19	8.81953	(11040518)		
477985.54	3742759.23	3.59497	(15062919)	477985.54
3742807.54	3.67126	(15062919)		
477983.73	3742852.83	3.76353	(15061819)	477247.56
3742920.47	5.61669	(11070219)		
477338.15	3742649.32	3.73972	(11102417)	478077.34
3742745.94	3.47022	(16072419)		
478076.73	3742704.27	3.37771	(16072419)	478073.71
3742605.83	3.20565	(15061819)		
477036.28	3742768.62	7.73171	(11101219)	477013.90
3742710.93	7.84117	(15060821)		
477018.00	3742667.43	7.83409	(15060821)	477016.74
3742615.41	7.83585	(15060821)		
477608.13	3744100.00	13.47445	(11101717)	476543.81
3745771.70	11.55738	(10101623)		
475779.08	3744884.39	20.26078	(11080420)	475780.97
3744834.81	19.44375	(16090219)		
475780.97	3744788.54	20.20413	(16090219)	475791.01
3744719.15	20.13304	(10071022)		
475791.45	3744684.67	20.00384	(11082922)	478158.55
3742338.43	2.75937	(15061819)		
477253.02	3745694.62	13.65386	(14090718)	477157.80
3745697.65	13.28818	(15090318)		
477155.10	3745664.56	14.00718	(15090318)	475761.72
3745017.99	18.70186	(10051320)		
475773.11	3745186.10	17.83697	(11070820)	475881.63
3745127.65	19.12549	(11070820)		

477597.84	3745096.57	37.05650	(16090507)	477596.59
3745123.34	35.48602	(16090507)		
477955.00	3744841.13	17.18534	(11062522)	477712.66
3744991.00	29.97978	(16092818)		
477936.51	3745026.40	17.21920	(16092818)	477736.89
3744807.33	29.12339	(11062522)		
477463.22	3745153.00	44.08950	(14041207)	477467.88
3745177.64	39.03531	(14041207)		
477469.21	3745209.27	33.48256	(14041207)	477462.72
3745231.24	29.95894	(14041207)		
477462.22	3745259.87	27.20990	(14013017)	477596.06
3745147.68	33.09086	(16090507)		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                   06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                               13:37:49

```

PAGE 127

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: ONRET \*\*\*

INCLUDING SOURCE(S): L0001632 , L0001633 ,  
L0001634 , L0001635 , L0001636 ,  
L0001637 , L0001638 , L0001639 , L0001640 , L0001641 ,  
L0001642 , L0001643 , L0001644 ,  
L0001645 , L0001646 , L0001647 , L0001648 , L0001649 ,  
L0001650 , L0001651 , L0001652 ,  
L0001653 , L0001654 , L0001655 , L0001656 , L0001657 ,  
L0001658 , L0001659 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	29.90758	(16090507)	477595.23	
3745200.45	28.02296	(14041207)			
477594.73	3745227.25	26.37242	(14041207)	477595.56	
3745252.55	24.65644	(15040418)			

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                   06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                               13:37:49

```

PAGE 128

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: ONW \*\*\*

INCLUDING SOURCE(S): L0001097 , L0001098 ,  
L0001099 , L0001100 , L0001101 ,  
L0001102 , L0001103 , L0001104 , L0001105 , L0001106 ,  
L0001107 , L0001108 , L0001109 ,  
L0001110 , L0001111 , L0001112 , L0001113 , L0001114 ,  
L0001115 , L0001116 , L0001117 ,  
L0001118 , L0001119 , L0001120 , L0001121 , L0001122 ,  
L0001123 , L0001124 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	79.95483	(14111116)	477074.98	
3744372.30	85.11358	(14111116)			
477080.97	3744372.68	86.18491	(14111116)	477107.86	
3744373.84	87.91555	(11070219)			
477124.11	3744367.46	82.18000	(11102417)	477136.49	
3744374.23	99.46970	(14090307)			
477195.48	3744375.39	81.34522	(14021817)	477060.86	
3744356.05	72.42284	(11040518)			
477207.61	3744374.97	77.57066	(14021817)	477380.98	
3744305.37	36.18644	(16050618)			
477118.50	3744296.66	55.98458	(11070219)	477490.46	
3744455.43	30.61437	(11091107)			
477668.58	3744413.69	19.48553	(15042919)	476881.02	
3744148.03	26.23290	(10092619)			
477111.89	3745113.29	39.11117	(14090718)	477349.45	
3745114.03	27.62746	(14013017)			
477515.74	3745009.76	24.20670	(16090507)	477454.22	
3745035.49	27.45689	(14041207)			
477015.66	3745168.64	31.72642	(15091118)	476433.55	
3744998.95	25.36191	(10092718)			
477469.06	3745076.86	24.55690	(15040418)	477469.36	
3745103.93	23.23909	(15040418)			
477470.51	3745126.80	21.98399	(15040418)	477594.70	
3745070.21	19.20127	(14041118)			
477649.52	3744560.98	20.75923	(11100518)	477647.52	
3744591.57	21.28431	(11062522)			
477648.60	3744619.76	21.50386	(11062522)	477647.83	
3744648.25	21.34107	(11062522)			
477146.84	3744132.25	30.40310	(11102417)	477147.86	
3744066.56	25.44775	(11102417)			
477147.35	3744041.93	23.93570	(11102417)	476685.99	
3744469.93	28.55865	(15031418)			
476485.33	3744603.88	31.23809	(15072919)	476555.37	
3744160.98	28.46735	(10032021)			
476555.17	3744124.59	28.36351	(10080420)	476708.76	
3744164.61	33.30319	(14100219)			
476605.31	3744108.33	29.29553	(10110217)	477233.14	
3744007.11	20.87406	(16102717)			
477233.51	3743914.78	17.46614	(10101407)	477354.60	
3743419.36	8.19454	(16033018)			
477195.95	3743347.28	7.96851	(11102417)	477137.19	
3743435.19	8.84561	(11070219)			
477985.54	3742759.23	4.03597	(11101717)	477985.54	
3742807.54	4.18924	(11101717)			
477983.73	3742852.83	4.33564	(11101717)	477247.56	
3742920.47	5.34207	(11102417)			
477338.15	3742649.32	4.27920	(11102417)	478077.34	
3742745.94	3.95102	(11101717)			
478076.73	3742704.27	3.85641	(11101717)	478073.71	
3742605.83	3.61547	(11101717)			
477036.28	3742768.62	8.99231	(15062820)	477013.90	
3742710.93	9.11632	(15062820)			
477018.00	3742667.43	9.06495	(15090620)	477016.74	
3742615.41	9.06942	(15090620)			
477608.13	3744100.00	16.37918	(11101517)	476543.81	
3745771.70	8.01623	(10093023)			
475779.08	3744884.39	18.54920	(14070720)	475780.97	
3744834.81	18.44457	(14071420)			
475780.97	3744788.54	18.40560	(14090721)	475791.01	
3744719.15	18.72434	(14090721)			

475791.45	3744684.67	18.84890	(11080420)	478158.55
3742338.43	3.04817	(14103017)		
477253.02	3745694.62	10.42332	(14113016)	477157.80
3745697.65	11.39457	(14090718)		
477155.10	3745664.56	11.94037	(14090718)	475761.72
3745017.99	16.89769	(15032419)		
475773.11	3745186.10	15.86050	(10072020)	475881.63
3745127.65	16.84982	(10072020)		
477597.84	3745096.57	18.86247	(14102417)	477596.59
3745123.34	18.64029	(14102417)		
477955.00	3744841.13	11.86369	(16092818)	477712.66
3744991.00	15.95455	(16031120)		
477936.51	3745026.40	11.24820	(15110220)	477736.89
3744807.33	17.42979	(16092818)		
477463.22	3745153.00	21.28199	(11091320)	477467.88
3745177.64	20.32781	(11070423)		
477469.21	3745209.27	19.33625	(11070423)	477462.72
3745231.24	18.70855	(11070423)		
477462.22	3745259.87	17.66205	(10090622)	477596.06
3745147.68	18.23180	(14102417)		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                   06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                13:37:49

```

PAGE 129

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ONW ***
INCLUDING SOURCE(S): L0001097 , L0001098 ,
L0001099 , L0001100 , L0001101 ,
L0001102 , L0001103 , L0001104 , L0001105 , L0001106 ,
L0001107 , L0001108 , L0001109 ,
L0001110 , L0001111 , L0001112 , L0001113 , L0001114 ,
L0001115 , L0001116 , L0001117 ,
L0001118 , L0001119 , L0001120 , L0001121 , L0001122 ,
L0001123 , L0001124 , . . . ,

```

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
477594.39	3745174.64	17.63602	(14102417)	477595.23	
3745200.45	16.97842	(15040418)			
477594.73	3745227.25	16.31906	(15040418)	477595.56	
3745252.55	15.57307	(15040418)			

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                   06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                13:37:49

```

PAGE 130

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

```

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: REF1 ***
INCLUDING SOURCE(S): REF1 ,

```

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*



\*\* CONC OF DPM  
MICROGRAMS/M\*\*3

IN

\*\*

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	33.08955	(11081920)	477074.98	
3744372.30	33.28594	(11081920)			
477080.97	3744372.68	33.74480	(10081521)	477107.86	
3744373.84	35.25261	(10081521)			
477124.11	3744367.46	35.85393	(10092619)	477136.49	
3744374.23	36.94277	(10092619)			
477195.48	3744375.39	38.58455	(16100719)	477060.86	
3744356.05	31.82342	(11081920)			
477207.61	3744374.97	38.59914	(16100719)	477380.98	
3744305.37	34.92990	(11102417)			
477118.50	3744296.66	30.27815	(10092619)	477490.46	
3744455.43	50.66434	(15062919)			
477668.58	3744413.69	36.67850	(10071619)	476881.02	
3744148.03	23.33697	(16012617)			
477111.89	3745113.29	77.03327	(14090218)	477349.45	
3745114.03	141.79554	(15090407)			
477515.74	3745009.76	223.07000	(16090507)	477454.22	
3745035.49	212.56718	(14041207)			
477015.66	3745168.64	55.75826	(14090218)	476433.55	
3744998.95	26.75539	(11061305)			
477469.06	3745076.86	150.03736	(16082607)	477469.36	
3745103.93	136.61967	(16082607)			
477470.51	3745126.80	119.70159	(16082607)	477594.70	
3745070.21	113.58422	(16090507)			
477649.52	3744560.98	52.27314	(10020417)	477647.52	
3744591.57	60.76948	(16050618)			
477648.60	3744619.76	66.32988	(16050618)	477647.83	
3744648.25	67.11558	(16050618)			
477146.84	3744132.25	22.04157	(16100719)	477147.86	
3744066.56	19.75696	(11071520)			
477147.35	3744041.93	18.96712	(11071520)	476685.99	
3744469.93	32.42546	(15031218)			
476485.33	3744603.88	30.18366	(15040318)	476555.37	
3744160.98	25.38914	(10032021)			
476555.17	3744124.59	25.47661	(10080420)	476708.76	
3744164.61	26.56553	(11081419)			
476605.31	3744108.33	25.32251	(10110217)	477233.14	
3744007.11	18.76444	(11040518)			
477233.51	3743914.78	16.59076	(11040518)	477354.60	
3743419.36	9.69797	(11070219)			
477195.95	3743347.28	10.77774	(11040518)	477137.19	
3743435.19	12.50804	(16122817)			
477985.54	3742759.23	5.29310	(15062919)	477985.54	
3742807.54	5.49320	(15062919)			
477983.73	3742852.83	5.68075	(15062919)	477247.56	
3742920.47	7.69072	(11070219)			
477338.15	3742649.32	5.39516	(11070219)	478077.34	
3742745.94	5.19923	(15062919)			
478076.73	3742704.27	5.09768	(15062919)	478073.71	
3742605.83	4.82992	(15062919)			
477036.28	3742768.62	9.96087	(11080621)	477013.90	
3742710.93	10.30304	(11080621)			
477018.00	3742667.43	10.39459	(14091520)	477016.74	
3742615.41	10.54031	(14091520)			
477608.13	3744100.00	21.57410	(15062919)	476543.81	
3745771.70	15.87535	(11040221)			
475779.08	3744884.39	23.33311	(11080420)	475780.97	
3744834.81	22.83441	(16090219)			
475780.97	3744788.54	23.58983	(16090219)	475791.01	

3744719.15	23.61417	(10071022)		
475791.45	3744684.67	23.36111	(11082922)	478158.55
3742338.43	4.13503	(15062919)		
477253.02	3745694.62	21.67030	(15090318)	477157.80
3745697.65	20.96142	(16102217)		
477155.10	3745664.56	22.03936	(16102217)	475761.72
3745017.99	22.09820	(14090721)		
475773.11	3745186.10	20.43485	(14070720)	475881.63
3745127.65	21.62971	(14070720)		
477597.84	3745096.57	105.35028	(16090507)	477596.59
3745123.34	85.87874	(16090507)		
477955.00	3744841.13	30.84393	(11062522)	477712.66
3744991.00	60.67244	(16092818)		
477936.51	3745026.40	30.91201	(16092818)	477736.89
3744807.33	56.13851	(16082707)		
477463.22	3745153.00	96.46984	(16082607)	477467.88
3745177.64	79.16362	(16082607)		
477469.21	3745209.27	66.37920	(16091223)	477462.72
3745231.24	63.59850	(14113016)		
477462.22	3745259.87	61.39610	(14113016)	477596.06
3745147.68	74.32835	(14041207)		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***      06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***      13:37:49

```

PAGE 131

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: REF1 \*\*\*  
INCLUDING SOURCE(S): REF1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
477594.39	3745174.64	68.34702	(14041207)	477595.23	
3745200.45	60.60532	(14041207)			
477594.73	3745227.25	52.12493	(14041207)	477595.56	
3745252.55	48.34113	(11070423)			

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***      06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***      13:37:49

```

PAGE 132

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: REF2 \*\*\*  
INCLUDING SOURCE(S): REF2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			

477060.08	3744372.49	32.25319	(11081920)	477074.98
3744372.30	32.95901	(11081920)		
477080.97	3744372.68	33.15841	(11081920)	477107.86
3744373.84	34.46873	(10081521)		
477124.11	3744367.46	34.67987	(11020217)	477136.49
3744374.23	36.01253	(10092619)		
477195.48	3744375.39	38.16163	(15012317)	477060.86
3744356.05	31.36437	(11081920)		
477207.61	3744374.97	38.44632	(14061319)	477380.98
3744305.37	35.29636	(11070219)		
477118.50	3744296.66	30.09486	(10092619)	477490.46
3744455.43	52.74438	(14090307)		
477668.58	3744413.69	37.46362	(10071619)	476881.02
3744148.03	24.77595	(16012617)		
477111.89	3745113.29	81.23475	(14090218)	477349.45
3745114.03	131.82838	(15090407)		
477515.74	3745009.76	254.26013	(16090507)	477454.22
3745035.49	246.91957	(16082607)		
477015.66	3745168.64	56.16170	(14090218)	476433.55
3744998.95	27.28510	(11061305)		
477469.06	3745076.86	174.03634	(16082607)	477469.36
3745103.93	142.53940	(16082607)		
477470.51	3745126.80	116.61625	(16082607)	477594.70
3745070.21	126.96223	(16090507)		
477649.52	3744560.98	59.53115	(10020417)	477647.52
3744591.57	61.10530	(16050618)		
477648.60	3744619.76	70.05042	(16050618)	477647.83
3744648.25	74.45780	(16050618)		
477146.84	3744132.25	22.17307	(16100719)	477147.86
3744066.56	19.55750	(14011508)		
477147.35	3744041.93	18.81158	(11071520)	476685.99
3744469.93	32.79588	(15031218)		
476485.33	3744603.88	30.68242	(15040318)	476555.37
3744160.98	25.69267	(10032021)		
476555.17	3744124.59	25.54085	(10080420)	476708.76
3744164.61	26.93134	(14100721)		
476605.31	3744108.33	25.41606	(11021218)	477233.14
3744007.11	18.16593	(11100319)		
477233.51	3743914.78	16.09490	(11040518)	477354.60
3743419.36	9.78157	(11070219)		
477195.95	3743347.28	11.32650	(11040518)	477137.19
3743435.19	13.16736	(11100319)		
477985.54	3742759.23	5.24994	(15062919)	477985.54
3742807.54	5.46469	(15062919)		
477983.73	3742852.83	5.66540	(15062919)	477247.56
3742920.47	8.26974	(14012017)		
477338.15	3742649.32	5.41675	(11070219)	478077.34
3742745.94	5.24762	(15062919)		
478076.73	3742704.27	5.13035	(15062919)	478073.71
3742605.83	4.82890	(15062919)		
477036.28	3742768.62	10.31423	(11080621)	477013.90
3742710.93	10.55805	(11080621)		
477018.00	3742667.43	10.59240	(14091520)	477016.74
3742615.41	10.73696	(14091520)		
477608.13	3744100.00	21.72182	(15062919)	476543.81
3745771.70	16.51462	(11040221)		
475779.08	3744884.39	23.42234	(11080420)	475780.97
3744834.81	22.87762	(16090219)		
475780.97	3744788.54	23.70462	(16090219)	475791.01
3744719.15	23.71037	(10071022)		
475791.45	3744684.67	23.37891	(11082922)	478158.55
3742338.43	4.13351	(15062919)		
477253.02	3745694.62	21.85943	(15091118)	477157.80
3745697.65	20.63521	(16102217)		
477155.10	3745664.56	21.71429	(14041218)	475761.72

3745017.99	22.28503	(14090721)		
475773.11	3745186.10	20.74935	(14070720)	475881.63
3745127.65	21.89342	(14070720)		
477597.84	3745096.57	107.96614	(16090507)	477596.59
3745123.34	85.21134	(14041207)		
477955.00	3744841.13	32.21749	(11062522)	477712.66
3744991.00	64.50852	(16092818)		
477936.51	3745026.40	32.47805	(16092818)	477736.89
3744807.33	59.98902	(16082707)		
477463.22	3745153.00	88.29456	(14113016)	477467.88
3745177.64	79.90173	(14113016)		
477469.21	3745209.27	74.85030	(14113016)	477462.72
3745231.24	76.04176	(14113016)		
477462.22	3745259.87	70.61811	(14113016)	477596.06
3745147.68	79.15813	(14041207)		

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                  06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                  13:37:49

```

PAGE 133

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: REF2 \*\*\*  
INCLUDING SOURCE(S): REF2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	70.21312	(14041207)	477595.23	
3745200.45	60.50564	(14041207)			
477594.73	3745227.25	53.56618	(11070423)	477595.56	
3745252.55	49.21191	(10090622)			

```

*** AERMOD - VERSION 21112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998
Ops\13998 Ops. ***                  06/14/22
*** AERMET - VERSION 16216 ***
***                                     ***                  13:37:49

```

PAGE 134

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: SPILL1 \*\*\*  
INCLUDING SOURCE(S): SPILL1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	40.80896	(11081920)	477074.98	
3744372.30	40.77289	(14051324)			
477080.97	3744372.68	41.35496	(14051324)	477107.86	
3744373.84	43.44756	(10081521)			
477124.11	3744367.46	44.19753	(10092619)	477136.49	

3744374.23	45.56438	(10092619)		
477195.48	3744375.39	47.57175	(16100719)	477060.86
3744356.05	39.11069	(11081920)		
477207.61	3744374.97	47.35977	(16100719)	477380.98
3744305.37	42.80607	(11102417)		
477118.50	3744296.66	37.16825	(10092619)	477490.46
3744455.43	62.41048	(15062919)		
477668.58	3744413.69	45.30577	(10071619)	476881.02
3744148.03	24.86842	(16012617)		
477111.89	3745113.29	90.33650	(16061019)	477349.45
3745114.03	170.19485	(15090407)		
477515.74	3745009.76	265.97856	(16090507)	477454.22
3745035.49	240.59518	(14041207)		
477015.66	3745168.64	63.66115	(14090218)	476433.55
3744998.95	30.30739	(11061305)		
477469.06	3745076.86	174.01517	(16082607)	477469.36
3745103.93	165.79639	(16082607)		
477470.51	3745126.80	146.27918	(16082607)	477594.70
3745070.21	136.61740	(16090507)		
477649.52	3744560.98	61.58425	(16081320)	477647.52
3744591.57	70.73453	(16050618)		
477648.60	3744619.76	77.52028	(16050618)	477647.83
3744648.25	79.27349	(15090718)		
477146.84	3744132.25	27.21312	(14011508)	477147.86
3744066.56	24.43906	(11071520)		
477147.35	3744041.93	23.44856	(11071520)	476685.99
3744469.93	36.83332	(15031218)		
476485.33	3744603.88	35.28771	(14100722)	476555.37
3744160.98	29.92337	(11012517)		
476555.17	3744124.59	30.04103	(10080420)	476708.76
3744164.61	30.83082	(14100721)		
476605.31	3744108.33	29.63713	(10110217)	477233.14
3744007.11	22.76801	(11040518)		
477233.51	3743914.78	20.34144	(11040518)	477354.60
3743419.36	11.97091	(11070219)		
477195.95	3743347.28	11.57222	(11040518)	477137.19
3743435.19	13.87997	(16122817)		
477985.54	3742759.23	6.52987	(15062919)	477985.54
3742807.54	6.80839	(15062919)		
477983.73	3742852.83	7.05927	(15062919)	477247.56
3742920.47	8.22759	(14012017)		
477338.15	3742649.32	6.69706	(11070219)	478077.34
3742745.94	6.45022	(15062919)		
478076.73	3742704.27	6.34170	(15062919)	478073.71
3742605.83	6.01409	(15062919)		
477036.28	3742768.62	11.67868	(11080621)	477013.90
3742710.93	12.25111	(11080621)		
477018.00	3742667.43	12.24235	(14091520)	477016.74
3742615.41	12.51089	(14091520)		
477608.13	3744100.00	26.70615	(15062919)	476543.81
3745771.70	17.45519	(11040221)		
475779.08	3744884.39	28.05057	(11080420)	475780.97
3744834.81	27.53521	(14122819)		
475780.97	3744788.54	28.57676	(16090219)	475791.01
3744719.15	28.65164	(10071022)		
475791.45	3744684.67	28.12529	(11082922)	478158.55
3742338.43	5.15011	(15062919)		
477253.02	3745694.62	26.80811	(15090318)	477157.80
3745697.65	25.96871	(16102217)		
477155.10	3745664.56	27.23507	(16102217)	475761.72
3745017.99	26.58226	(11082406)		
475773.11	3745186.10	24.26484	(11071021)	475881.63
3745127.65	25.68537	(14070720)		
477597.84	3745096.57	129.04224	(16090507)	477596.59
3745123.34	99.05653	(16090507)		
477955.00	3744841.13	38.14955	(11062522)	477712.66

3744991.00 74.74890 (16092818)  
477936.51 3745026.40 37.82361 (16092818) 477736.89  
3744807.33 67.51780 (16082707)  
477463.22 3745153.00 112.76055 (16082607) 477467.88  
3745177.64 93.46621 (16091223)  
477469.21 3745209.27 81.38664 (14013019) 477462.72  
3745231.24 76.51682 (11040718)  
477462.22 3745259.87 68.66814 (11040718) 477596.06  
3745147.68 89.98318 (14041207)

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 135

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: SPILL1 \*\*\*  
INCLUDING SOURCE(S): SPILL1 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	83.19826	(14041207)	477595.23	
3745200.45	72.69547	(14041207)			
477594.73	3745227.25	64.18356	(11070423)	477595.56	
3745252.55	59.35825	(11070423)			

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 136

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: SPILL2 \*\*\*  
INCLUDING SOURCE(S): SPILL2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	39.69336	(11081920)	477074.98	
3744372.30	40.66300	(11081920)			
477080.97	3744372.68	40.85942	(11081920)	477107.86	
3744373.84	42.42436	(10081521)			
477124.11	3744367.46	42.70213	(10081521)	477136.49	
3744374.23	44.29180	(11020217)			
477195.48	3744375.39	46.94710	(14061319)	477060.86	
3744356.05	38.70894	(11081920)			
477207.61	3744374.97	47.37173	(14061319)	477380.98	
3744305.37	42.92968	(11070219)			
477118.50	3744296.66	37.17000	(10092619)	477490.46	

3744455.43	65.17365	(14090307)		
477668.58	3744413.69	46.13334	(10071619)	476881.02
3744148.03	27.23394	(16012617)		
477111.89	3745113.29	89.65952	(14090218)	477349.45
3745114.03	154.11407	(15090318)		
477515.74	3745009.76	305.53414	(16090507)	477454.22
3745035.49	292.70970	(16082607)		
477015.66	3745168.64	66.01953	(14090218)	476433.55
3744998.95	31.26668	(11061305)		
477469.06	3745076.86	210.84340	(16082607)	477469.36
3745103.93	171.79336	(16082607)		
477470.51	3745126.80	136.90039	(16082607)	477594.70
3745070.21	155.26407	(16090507)		
477649.52	3744560.98	70.99929	(10020417)	477647.52
3744591.57	70.09073	(11041818)		
477648.60	3744619.76	81.75508	(16050618)	477647.83
3744648.25	85.92035	(16050618)		
477146.84	3744132.25	27.38509	(16100719)	477147.86
3744066.56	24.19869	(14011508)		
477147.35	3744041.93	23.24902	(11071520)	476685.99
3744469.93	37.61308	(15031218)		
476485.33	3744603.88	35.65836	(10011117)	476555.37
3744160.98	30.33883	(10032021)		
476555.17	3744124.59	30.12650	(10080420)	476708.76
3744164.61	31.49359	(14100721)		
476605.31	3744108.33	29.94110	(11021218)	477233.14
3744007.11	22.37358	(16122817)		
477233.51	3743914.78	19.55814	(16122817)	477354.60
3743419.36	12.14130	(11070219)		
477195.95	3743347.28	12.40168	(11040518)	477137.19
3743435.19	14.80994	(11100319)		
477985.54	3742759.23	6.47048	(15062020)	477985.54
3742807.54	6.73409	(15062919)		
477983.73	3742852.83	7.01018	(15062919)	477247.56
3742920.47	9.11074	(14012017)		
477338.15	3742649.32	6.74188	(11070219)	478077.34
3742745.94	6.52990	(15062919)		
478076.73	3742704.27	6.39076	(15062919)	478073.71
3742605.83	5.99740	(15062919)		
477036.28	3742768.62	12.19401	(11080621)	477013.90
3742710.93	12.60629	(11080621)		
477018.00	3742667.43	12.62351	(11080621)	477016.74
3742615.41	12.73281	(14091520)		
477608.13	3744100.00	26.84897	(15062919)	476543.81
3745771.70	18.47545	(11040221)		
475779.08	3744884.39	28.20670	(11080420)	475780.97
3744834.81	27.71542	(14122819)		
475780.97	3744788.54	28.78121	(16090219)	475791.01
3744719.15	28.82008	(10071022)		
475791.45	3744684.67	28.32443	(10080603)	478158.55
3742338.43	5.13593	(15062919)		
477253.02	3745694.62	26.98811	(15091118)	477157.80
3745697.65	25.43085	(16102217)		
477155.10	3745664.56	26.89366	(14041218)	475761.72
3745017.99	26.83160	(11082406)		
475773.11	3745186.10	24.75494	(14070720)	475881.63
3745127.65	26.06776	(14070720)		
477597.84	3745096.57	128.88954	(16090507)	477596.59
3745123.34	102.38656	(14041207)		
477955.00	3744841.13	39.83236	(11062522)	477712.66
3744991.00	79.11614	(16092818)		
477936.51	3745026.40	39.89002	(16092818)	477736.89
3744807.33	71.49994	(16082707)		
477463.22	3745153.00	106.65889	(11040718)	477467.88
3745177.64	95.69856	(11040718)		
477469.21	3745209.27	84.21727	(11040718)	477462.72

3745231.24 86.59282 (14113016)  
477462.22 3745259.87 82.24445 (14113016) 477596.06  
3745147.68 96.20632 (14041207)

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 137

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: SPILL2 \*\*\*  
INCLUDING SOURCE(S): SPILL2 ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	84.23232	(14041207)	477595.23	
3745200.45	71.49566	(11070423)			
477594.73	3745227.25	65.64325	(11070423)	477595.56	
3745252.55	60.59497	(10090622)			

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 138

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
SOURCE GROUP: TLB \*\*\*  
INCLUDING SOURCE(S): TLB ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN \*\*  
MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	45.83948	(11010316)	477074.98	
3744372.30	45.01994	(16012617)			
477080.97	3744372.68	45.49185	(16012617)	477107.86	
3744373.84	48.17454	(10092619)			
477124.11	3744367.46	48.60602	(10092619)	477136.49	
3744374.23	50.75710	(10092619)			
477195.48	3744375.39	54.87583	(11070219)	477060.86	
3744356.05	41.63914	(16012617)			
477207.61	3744374.97	55.91239	(11070219)	477380.98	
3744305.37	37.99650	(11101717)			
477118.50	3744296.66	37.56770	(15012317)	477490.46	
3744455.43	53.30388	(11091107)			
477668.58	3744413.69	24.82729	(11100617)	476881.02	
3744148.03	19.37099	(16012617)			
477111.89	3745113.29	25.27159	(16102217)	477349.45	
3745114.03	28.35596	(14113016)			
477515.74	3745009.76	27.91735	(14041207)	477454.22	



3745035.49	26.28735	(14013017)		
477015.66	3745168.64	20.27922	(15071719)	476433.55
3744998.95	21.20627	(10080521)		
477469.06	3745076.86	23.47467	(14013017)	477469.36
3745103.93	22.08365	(14013017)		
477470.51	3745126.80	20.93606	(14013017)	477594.70
3745070.21	20.32306	(15040418)		
477649.52	3744560.98	28.44797	(11100518)	477647.52
3744591.57	29.50082	(11062522)		
477648.60	3744619.76	29.46350	(11062522)	477647.83
3744648.25	29.38786	(14013117)		
477146.84	3744132.25	23.95079	(11040518)	477147.86
3744066.56	20.73152	(11040518)		
477147.35	3744041.93	19.68113	(11040518)	476685.99
3744469.93	33.93294	(15040318)		
476485.33	3744603.88	26.62877	(11091220)	476555.37
3744160.98	24.82728	(10093022)		
476555.17	3744124.59	24.37992	(16100618)	476708.76
3744164.61	27.49490	(10080420)		
476605.31	3744108.33	24.86446	(16080820)	477233.14
3744007.11	19.18201	(11070219)		
477233.51	3743914.78	16.00859	(11070219)	477354.60
3743419.36	7.71309	(11102417)		
477195.95	3743347.28	7.31338	(11070219)	477137.19
3743435.19	7.83885	(11040518)		
477985.54	3742759.23	3.76596	(16072419)	477985.54
3742807.54	3.89460	(16072419)		
477983.73	3742852.83	4.02178	(16072419)	477247.56
3742920.47	4.91422	(11070219)		
477338.15	3742649.32	3.89787	(11102417)	478077.34
3742745.94	3.65974	(14103017)		
478076.73	3742704.27	3.56811	(14103017)	478073.71
3742605.83	3.36053	(16072419)		
477036.28	3742768.62	8.81315	(15060821)	477013.90
3742710.93	8.95718	(14091520)		
477018.00	3742667.43	8.82809	(15070123)	477016.74
3742615.41	8.77473	(11062520)		
477608.13	3744100.00	18.02038	(10071619)	476543.81
3745771.70	6.38049	(15090218)		
475779.08	3744884.39	16.81207	(14070720)	475780.97
3744834.81	16.75470	(14071420)		
475780.97	3744788.54	16.57241	(10051320)	475791.01
3744719.15	17.21782	(14090721)		
475791.45	3744684.67	17.01614	(10072721)	478158.55
3742338.43	2.83876	(16072419)		
477253.02	3745694.62	9.39278	(14090718)	477157.80
3745697.65	9.17314	(15090318)		
477155.10	3745664.56	9.58862	(15090318)	475761.72
3745017.99	15.31621	(10022620)		
475773.11	3745186.10	14.50141	(10072020)	475881.63
3745127.65	15.52063	(16062420)		
477597.84	3745096.57	19.08089	(11091320)	477596.59
3745123.34	18.30525	(11070423)		
477955.00	3744841.13	14.01590	(16092818)	477712.66
3744991.00	19.14138	(14041118)		
477936.51	3745026.40	12.39495	(14041118)	477736.89
3744807.33	21.55063	(16092818)		
477463.22	3745153.00	19.70689	(14013017)	477467.88
3745177.64	18.66627	(16091223)		
477469.21	3745209.27	17.55947	(16091223)	477462.72
3745231.24	16.89916	(16091223)		
477462.22	3745259.87	15.97281	(16091223)	477596.06
3745147.68	17.62650	(11070423)		

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: TLB \*\*\* INCLUDING SOURCE(S): TLB ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	16.85126	(11070423)	477595.23	
3745200.45	16.06466	(11070423)			
477594.73	3745227.25	15.32460	(14013017)	477595.56	
3745252.55	14.81208	(14013017)			

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 13:37:49

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL \*\*\* INCLUDING SOURCE(S): L0001027 , L0001028 , L0001029 , L0001030 , L0001031 , L0001032 , L0001033 , L0001034 , L0001035 , L0001036 , L0001037 , L0001038 , L0001039 , L0001040 , L0001041 , L0001042 , L0001043 , L0001044 , L0001045 , L0001046 , L0001047 , L0001048 , L0001049 , L0001050 , L0001051 , L0001052 , L0001053 , L0001054 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
477060.08	3744372.49	747.68372	(10092619)	477074.98	
3744372.30	731.44084	(10092619)			
477080.97	3744372.68	725.62400	(10092619)	477107.86	
3744373.84	698.43370	(15012317)			
477124.11	3744367.46	669.40980	(14061319)	477136.49	
3744374.23	668.67884	(14061319)			
477195.48	3744375.39	633.37350	(16100719)	477060.86	
3744356.05	710.09858	(10092619)			
477207.61	3744374.97	632.15958	(14042920)	477380.98	
3744305.37	563.87982	(11102417)			
477118.50	3744296.66	571.17529	(14061319)	477490.46	
3744455.43	698.34279	(16070919)			
477668.58	3744413.69	509.12109	(15101717)	476881.02	
3744148.03	473.63638	(11081920)			
477111.89	3745113.29	885.22368	(11022608)	477349.45	
3745114.03	1367.68140	(15090407)			

477515.74	3745009.76	2538.20776	(16090507)	477454.22
3745035.49	2534.35557	(14041207)		
477015.66	3745168.64	678.28540	(16061019)	476433.55
3744998.95	565.34179	(10052321)		
477469.06	3745076.86	1769.10953	(14041207)	477469.36
3745103.93	1435.89707	(16082607)		
477470.51	3745126.80	1245.23740	(16082607)	477594.70
3745070.21	1345.73778	(16090507)		
477649.52	3744560.98	694.35256	(16050618)	477647.52
3744591.57	767.22075	(16050618)		
477648.60	3744619.76	803.93804	(16050618)	477647.83
3744648.25	809.59184	(15031518)		
477146.84	3744132.25	412.16039	(11100319)	477147.86
3744066.56	375.07222	(11040518)		
477147.35	3744041.93	363.36171	(11040518)	476685.99
3744469.93	672.89252	(14051419)		
476485.33	3744603.88	668.84689	(15040318)	476555.37
3744160.98	556.85885	(10080420)		
476555.17	3744124.59	546.83957	(10080420)	476708.76
3744164.61	585.84157	(11081419)		
476605.31	3744108.33	551.97492	(10110217)	477233.14
3744007.11	352.34361	(11070219)		
477233.51	3743914.78	314.19664	(11070219)	477354.60
3743419.36	187.13818	(11102417)		
477195.95	3743347.28	213.28872	(11040518)	477137.19
3743435.19	246.55925	(11040518)		
477985.54	3742759.23	104.15745	(15062919)	477985.54
3742807.54	105.83546	(15062919)		
477983.73	3742852.83	107.76600	(15062919)	477247.56
3742920.47	163.43072	(11070219)		
477338.15	3742649.32	114.57881	(11070219)	478077.34
3742745.94	97.02345	(15061819)		
478076.73	3742704.27	95.41185	(15061819)	478073.71
3742605.83	92.38980	(15062919)		
477036.28	3742768.62	208.94071	(16092521)	477013.90
3742710.93	212.95882	(14091520)		
477018.00	3742667.43	211.68191	(14091520)	477016.74
3742615.41	211.20636	(14091520)		
477608.13	3744100.00	339.62690	(16070919)	476543.81
3745771.70	271.10272	(10090618)		
475779.08	3744884.39	453.59736	(11080420)	475780.97
3744834.81	439.02390	(11080420)		
475780.97	3744788.54	455.75932	(16090219)	475791.01
3744719.15	456.28384	(11070605)		
475791.45	3744684.67	457.36236	(10071022)	478158.55
3742338.43	80.38926	(15062919)		
477253.02	3745694.62	321.97983	(15090318)	477157.80
3745697.65	321.51672	(15091118)		
477155.10	3745664.56	334.53161	(15091118)	475761.72
3745017.99	414.89204	(10051320)		
475773.11	3745186.10	394.20492	(11070820)	475881.63
3745127.65	414.70641	(14070720)		
477597.84	3745096.57	1225.69620	(16090507)	477596.59
3745123.34	1030.91434	(16090507)		
477955.00	3744841.13	452.07030	(11062522)	477712.66
3744991.00	835.70509	(16092818)		
477936.51	3745026.40	469.67929	(16092818)	477736.89
3744807.33	748.58160	(11100518)		
477463.22	3745153.00	1018.25072	(16082607)	477467.88
3745177.64	927.10168	(16091223)		
477469.21	3745209.27	832.79644	(16091223)	477462.72
3745231.24	777.82978	(14113016)		
477462.22	3745259.87	735.71290	(14113016)	477596.06
3745147.68	965.29012	(14041207)		

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR  
 SOURCE GROUP: ALL \*\*\*

INCLUDING SOURCE(S): L0001027 , L0001028 ,  
 L0001029 , L0001030 , L0001031 ,  
 L0001032 , L0001033 , L0001034 , L0001035 , L0001036 ,  
 L0001037 , L0001038 , L0001039 ,  
 L0001040 , L0001041 , L0001042 , L0001043 , L0001044 ,  
 L0001045 , L0001046 , L0001047 ,  
 L0001048 , L0001049 , L0001050 , L0001051 , L0001052 ,  
 L0001053 , L0001054 , . . . ,

\*\*\* DISCRETE CARTESIAN RECEPTOR POINTS \*\*\*

\*\* CONC OF DPM IN  
 MICROGRAMS/M\*\*3 \*\*

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	X-COORD (M)	Y-COORD
477594.39	3745174.64	894.55903 (14041207)	477595.23	
3745200.45	810.14602	(14041207)		
477594.73	3745227.25	722.15606 (14041207)	477595.56	
3745252.55	663.33810	(11070423)		

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5  
 YEARS \*\*\*

\*\* CONC OF DPM IN  
 MICROGRAMS/M\*\*3 \*\*

NETWORK

GROUP ID NETWORK AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL,  
 ZFLAG) OF TYPE GRID-ID

BLDG1	1ST HIGHEST VALUE IS	18.62176 AT (	477111.89,	3745113.29,	453.60,
453.60,	0.00) DC				
	2ND HIGHEST VALUE IS	12.81862 AT (	477015.66,	3745168.64,	454.00,
454.00,	0.00) DC				
	3RD HIGHEST VALUE IS	8.83644 AT (	477349.45,	3745114.03,	451.00,
451.00,	0.00) DC				
	4TH HIGHEST VALUE IS	7.05270 AT (	477454.22,	3745035.49,	450.19,
450.19,	0.00) DC				
	5TH HIGHEST VALUE IS	6.24098 AT (	477469.06,	3745076.86,	450.00,
450.00,	0.00) DC				
	6TH HIGHEST VALUE IS	6.07507 AT (	477195.48,	3744375.39,	454.00,
454.00,	0.00) DC				
	7TH HIGHEST VALUE IS	6.05156 AT (	477207.61,	3744374.97,	454.00,
454.00,	0.00) DC				

8TH HIGHEST VALUE IS 6.01661 AT ( 477136.49, 3744374.23, 454.05,  
454.05, 0.00) DC  
9TH HIGHEST VALUE IS 5.94583 AT ( 477469.36, 3745103.93, 450.00,  
450.00, 0.00) DC  
10TH HIGHEST VALUE IS 5.93403 AT ( 477107.86, 3744373.84, 454.75,  
454.75, 0.00) DC

BLDG2 1ST HIGHEST VALUE IS 21.83543 AT ( 477111.89, 3745113.29, 453.60,  
453.60, 0.00) DC  
2ND HIGHEST VALUE IS 13.84668 AT ( 477015.66, 3745168.64, 454.00,  
454.00, 0.00) DC  
3RD HIGHEST VALUE IS 10.04370 AT ( 477349.45, 3745114.03, 451.00,  
451.00, 0.00) DC  
4TH HIGHEST VALUE IS 7.81240 AT ( 477454.22, 3745035.49, 450.19,  
450.19, 0.00) DC  
5TH HIGHEST VALUE IS 6.88118 AT ( 477469.06, 3745076.86, 450.00,  
450.00, 0.00) DC  
6TH HIGHEST VALUE IS 6.54758 AT ( 477469.36, 3745103.93, 450.00,  
450.00, 0.00) DC  
7TH HIGHEST VALUE IS 6.32681 AT ( 477515.74, 3745009.76, 450.00,  
450.00, 0.00) DC  
8TH HIGHEST VALUE IS 6.24392 AT ( 477470.51, 3745126.80, 450.00,  
450.00, 0.00) DC  
9TH HIGHEST VALUE IS 6.06375 AT ( 477463.22, 3745153.00, 450.00,  
450.00, 0.00) DC  
10TH HIGHEST VALUE IS 5.70754 AT ( 477195.48, 3744375.39, 454.00,  
454.00, 0.00) DC

BLDG3 1ST HIGHEST VALUE IS 17.60866 AT ( 477111.89, 3745113.29, 453.60,  
453.60, 0.00) DC  
2ND HIGHEST VALUE IS 11.69980 AT ( 477349.45, 3745114.03, 451.00,  
451.00, 0.00) DC  
3RD HIGHEST VALUE IS 10.51183 AT ( 477015.66, 3745168.64, 454.00,  
454.00, 0.00) DC  
4TH HIGHEST VALUE IS 9.85767 AT ( 477454.22, 3745035.49, 450.19,  
450.19, 0.00) DC  
5TH HIGHEST VALUE IS 8.37428 AT ( 477469.06, 3745076.86, 450.00,  
450.00, 0.00) DC  
6TH HIGHEST VALUE IS 7.93944 AT ( 477515.74, 3745009.76, 450.00,  
450.00, 0.00) DC  
7TH HIGHEST VALUE IS 7.81510 AT ( 477469.36, 3745103.93, 450.00,  
450.00, 0.00) DC  
8TH HIGHEST VALUE IS 7.33807 AT ( 477470.51, 3745126.80, 450.00,  
450.00, 0.00) DC  
9TH HIGHEST VALUE IS 7.00635 AT ( 477463.22, 3745153.00, 450.00,  
450.00, 0.00) DC  
10TH HIGHEST VALUE IS 6.46669 AT ( 477467.88, 3745177.64, 450.00,  
450.00, 0.00) DC

BLDG4 1ST HIGHEST VALUE IS 16.13809 AT ( 477111.89, 3745113.29, 453.60,  
453.60, 0.00) DC  
2ND HIGHEST VALUE IS 13.41590 AT ( 477349.45, 3745114.03, 451.00,  
451.00, 0.00) DC  
3RD HIGHEST VALUE IS 11.89869 AT ( 477454.22, 3745035.49, 450.19,  
450.19, 0.00) DC  
4TH HIGHEST VALUE IS 9.83799 AT ( 477469.06, 3745076.86, 450.00,  
450.00, 0.00) DC  
5TH HIGHEST VALUE IS 9.47957 AT ( 477515.74, 3745009.76, 450.00,  
450.00, 0.00) DC  
6TH HIGHEST VALUE IS 9.39416 AT ( 477015.66, 3745168.64, 454.00,  
454.00, 0.00) DC  
7TH HIGHEST VALUE IS 9.05581 AT ( 477469.36, 3745103.93, 450.00,  
450.00, 0.00) DC  
8TH HIGHEST VALUE IS 8.41001 AT ( 477470.51, 3745126.80, 450.00,  
450.00, 0.00) DC  
9TH HIGHEST VALUE IS 7.93786 AT ( 477463.22, 3745153.00, 450.00,  
450.00, 0.00) DC

450.00, 0.00) DC  
 10TH HIGHEST VALUE IS 7.25174 AT ( 477467.88, 3745177.64, 450.00,  
 450.00, 0.00) DC

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 13:37:49

PAGE 143

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5  
 YEARS \*\*\*

\*\* CONC OF DPM IN  
 MICROGRAMS/M\*\*3 \*\*

NETWORK

GROUP ID NETWORK AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL,  
 ZFLAG) OF TYPE GRID-ID

-----

BLDG5 1ST HIGHEST VALUE IS 18.95423 AT ( 477454.22, 3745035.49, 450.19,  
 450.19, 0.00) DC  
 2ND HIGHEST VALUE IS 18.61941 AT ( 477349.45, 3745114.03, 451.00,  
 451.00, 0.00) DC  
 3RD HIGHEST VALUE IS 14.56901 AT ( 477469.06, 3745076.86, 450.00,  
 450.00, 0.00) DC  
 4TH HIGHEST VALUE IS 14.50742 AT ( 477515.74, 3745009.76, 450.00,  
 450.00, 0.00) DC  
 5TH HIGHEST VALUE IS 13.82324 AT ( 477111.89, 3745113.29, 453.60,  
 453.60, 0.00) DC  
 6TH HIGHEST VALUE IS 12.94702 AT ( 477469.36, 3745103.93, 450.00,  
 450.00, 0.00) DC  
 7TH HIGHEST VALUE IS 11.69574 AT ( 477470.51, 3745126.80, 450.00,  
 450.00, 0.00) DC  
 8TH HIGHEST VALUE IS 10.73457 AT ( 477463.22, 3745153.00, 450.00,  
 450.00, 0.00) DC  
 9TH HIGHEST VALUE IS 9.56566 AT ( 477467.88, 3745177.64, 450.00,  
 450.00, 0.00) DC  
 10TH HIGHEST VALUE IS 8.51466 AT ( 477594.70, 3745070.21, 449.51,  
 449.51, 0.00) DC

BLDG6 1ST HIGHEST VALUE IS 21.88368 AT ( 477454.22, 3745035.49, 450.19,  
 450.19, 0.00) DC  
 2ND HIGHEST VALUE IS 19.54815 AT ( 477349.45, 3745114.03, 451.00,  
 451.00, 0.00) DC  
 3RD HIGHEST VALUE IS 16.77628 AT ( 477515.74, 3745009.76, 450.00,  
 450.00, 0.00) DC  
 4TH HIGHEST VALUE IS 16.30854 AT ( 477469.06, 3745076.86, 450.00,  
 450.00, 0.00) DC  
 5TH HIGHEST VALUE IS 14.26843 AT ( 477469.36, 3745103.93, 450.00,  
 450.00, 0.00) DC  
 6TH HIGHEST VALUE IS 12.74634 AT ( 477470.51, 3745126.80, 450.00,  
 450.00, 0.00) DC  
 7TH HIGHEST VALUE IS 12.49626 AT ( 477111.89, 3745113.29, 453.60,  
 453.60, 0.00) DC  
 8TH HIGHEST VALUE IS 11.55749 AT ( 477463.22, 3745153.00, 450.00,  
 450.00, 0.00) DC  
 9TH HIGHEST VALUE IS 10.21592 AT ( 477467.88, 3745177.64, 450.00,  
 450.00, 0.00) DC  
 10TH HIGHEST VALUE IS 9.42752 AT ( 477594.70, 3745070.21, 449.51,  
 449.51, 0.00) DC

BLDG7 450.19, 1ST HIGHEST VALUE IS 36.11093 AT ( 477454.22, 3745035.49, 450.19, 0.00) DC  
 2ND HIGHEST VALUE IS 28.00914 AT ( 477515.74, 3745009.76, 450.00, 450.00, 0.00) DC  
 3RD HIGHEST VALUE IS 24.00924 AT ( 477469.06, 3745076.86, 450.00, 450.00, 0.00) DC  
 4TH HIGHEST VALUE IS 22.60921 AT ( 477349.45, 3745114.03, 451.00, 451.00, 0.00) DC  
 5TH HIGHEST VALUE IS 19.88013 AT ( 477469.36, 3745103.93, 450.00, 450.00, 0.00) DC  
 6TH HIGHEST VALUE IS 17.10002 AT ( 477470.51, 3745126.80, 450.00, 450.00, 0.00) DC  
 7TH HIGHEST VALUE IS 14.89531 AT ( 477463.22, 3745153.00, 450.00, 450.00, 0.00) DC  
 8TH HIGHEST VALUE IS 13.29827 AT ( 477594.70, 3745070.21, 449.51, 449.51, 0.00) DC  
 9TH HIGHEST VALUE IS 12.82965 AT ( 477467.88, 3745177.64, 450.00, 450.00, 0.00) DC  
 10TH HIGHEST VALUE IS 11.93901 AT ( 477597.84, 3745096.57, 449.40, 449.40, 0.00) DC

BLDG8 450.19, 1ST HIGHEST VALUE IS 38.79764 AT ( 477454.22, 3745035.49, 450.19, 0.00) DC  
 2ND HIGHEST VALUE IS 32.40910 AT ( 477515.74, 3745009.76, 450.00, 450.00, 0.00) DC  
 3RD HIGHEST VALUE IS 25.23668 AT ( 477469.06, 3745076.86, 450.00, 450.00, 0.00) DC  
 4TH HIGHEST VALUE IS 20.96718 AT ( 477349.45, 3745114.03, 451.00, 451.00, 0.00) DC  
 5TH HIGHEST VALUE IS 20.58718 AT ( 477469.36, 3745103.93, 450.00, 450.00, 0.00) DC  
 6TH HIGHEST VALUE IS 17.55903 AT ( 477470.51, 3745126.80, 450.00, 450.00, 0.00) DC  
 7TH HIGHEST VALUE IS 15.12001 AT ( 477463.22, 3745153.00, 450.00, 450.00, 0.00) DC  
 8TH HIGHEST VALUE IS 14.62191 AT ( 477594.70, 3745070.21, 449.51, 449.51, 0.00) DC  
 9TH HIGHEST VALUE IS 12.98728 AT ( 477467.88, 3745177.64, 450.00, 450.00, 0.00) DC  
 10TH HIGHEST VALUE IS 12.95150 AT ( 477597.84, 3745096.57, 449.40, 449.40, 0.00) DC

\*\*\* AERMOD - VERSION 21112 \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* 13:37:49

PAGE 144

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

NETWORK

GROUP ID	OF TYPE	GRID-ID	AVERAGE CONC	RECEPTOR	(XR, YR, ZELEV, ZHILL,
BREATHE	1ST HIGHEST VALUE IS	26.54686 AT (	477454.22,	3745035.49,	450.19,
450.19,	0.00) DC				

2ND HIGHEST VALUE IS 21.99979 AT ( 477515.74, 3745009.76, 450.00,  
450.00, 0.00) DC  
3RD HIGHEST VALUE IS 18.73121 AT ( 477469.06, 3745076.86, 450.00,  
450.00, 0.00) DC  
4TH HIGHEST VALUE IS 18.23948 AT ( 477349.45, 3745114.03, 451.00,  
451.00, 0.00) DC  
5TH HIGHEST VALUE IS 15.87728 AT ( 477469.36, 3745103.93, 450.00,  
450.00, 0.00) DC  
6TH HIGHEST VALUE IS 13.90040 AT ( 477470.51, 3745126.80, 450.00,  
450.00, 0.00) DC  
7TH HIGHEST VALUE IS 12.29572 AT ( 477463.22, 3745153.00, 450.00,  
450.00, 0.00) DC  
8TH HIGHEST VALUE IS 11.34643 AT ( 477594.70, 3745070.21, 449.51,  
449.51, 0.00) DC  
9TH HIGHEST VALUE IS 10.75584 AT ( 477467.88, 3745177.64, 450.00,  
450.00, 0.00) DC  
10TH HIGHEST VALUE IS 10.23858 AT ( 477597.84, 3745096.57, 449.40,  
449.40, 0.00) DC

DW2 1ST HIGHEST VALUE IS 30.34163 AT ( 477107.86, 3744373.84, 454.75,  
454.75, 0.00) DC  
2ND HIGHEST VALUE IS 29.73414 AT ( 477080.97, 3744372.68, 455.00,  
455.00, 0.00) DC  
3RD HIGHEST VALUE IS 29.45452 AT ( 477136.49, 3744374.23, 454.05,  
454.05, 0.00) DC  
4TH HIGHEST VALUE IS 29.42877 AT ( 477074.98, 3744372.30, 455.00,  
455.00, 0.00) DC  
5TH HIGHEST VALUE IS 28.78003 AT ( 477060.08, 3744372.49, 455.00,  
455.00, 0.00) DC  
6TH HIGHEST VALUE IS 28.40814 AT ( 477124.11, 3744367.46, 454.43,  
454.43, 0.00) DC  
7TH HIGHEST VALUE IS 25.10541 AT ( 477060.86, 3744356.05, 455.00,  
455.00, 0.00) DC  
8TH HIGHEST VALUE IS 24.36484 AT ( 477195.48, 3744375.39, 454.00,  
454.00, 0.00) DC  
9TH HIGHEST VALUE IS 22.96146 AT ( 477207.61, 3744374.97, 454.00,  
454.00, 0.00) DC  
10TH HIGHEST VALUE IS 17.12728 AT ( 477118.50, 3744296.66, 455.00,  
455.00, 0.00) DC

DW3 1ST HIGHEST VALUE IS 13.02992 AT ( 477111.89, 3745113.29, 453.60,  
453.60, 0.00) DC  
2ND HIGHEST VALUE IS 9.77003 AT ( 477015.66, 3745168.64, 454.00,  
454.00, 0.00) DC  
3RD HIGHEST VALUE IS 7.34775 AT ( 477136.49, 3744374.23, 454.05,  
454.05, 0.00) DC  
4TH HIGHEST VALUE IS 7.33514 AT ( 477195.48, 3744375.39, 454.00,  
454.00, 0.00) DC  
5TH HIGHEST VALUE IS 7.30265 AT ( 477349.45, 3745114.03, 451.00,  
451.00, 0.00) DC  
6TH HIGHEST VALUE IS 7.27970 AT ( 477207.61, 3744374.97, 454.00,  
454.00, 0.00) DC  
7TH HIGHEST VALUE IS 7.26346 AT ( 477107.86, 3744373.84, 454.75,  
454.75, 0.00) DC  
8TH HIGHEST VALUE IS 7.13528 AT ( 477124.11, 3744367.46, 454.43,  
454.43, 0.00) DC  
9TH HIGHEST VALUE IS 7.11725 AT ( 477080.97, 3744372.68, 455.00,  
455.00, 0.00) DC  
10TH HIGHEST VALUE IS 7.07691 AT ( 477074.98, 3744372.30, 455.00,  
455.00, 0.00) DC

GASIDLE 1ST HIGHEST VALUE IS 27.96664 AT ( 477454.22, 3745035.49, 450.19,  
450.19, 0.00) DC  
2ND HIGHEST VALUE IS 23.83851 AT ( 477515.74, 3745009.76, 450.00,  
450.00, 0.00) DC  
3RD HIGHEST VALUE IS 19.48946 AT ( 477469.06, 3745076.86, 450.00,  
450.00, 0.00) DC



450.00, 0.00) DC  
 4TH HIGHEST VALUE IS 17.90382 AT ( 477349.45, 3745114.03, 451.00,  
 451.00, 0.00) DC  
 5TH HIGHEST VALUE IS 16.38920 AT ( 477469.36, 3745103.93, 450.00,  
 450.00, 0.00) DC  
 6TH HIGHEST VALUE IS 14.27791 AT ( 477470.51, 3745126.80, 450.00,  
 450.00, 0.00) DC  
 7TH HIGHEST VALUE IS 12.55034 AT ( 477463.22, 3745153.00, 450.00,  
 450.00, 0.00) DC  
 8TH HIGHEST VALUE IS 12.00186 AT ( 477594.70, 3745070.21, 449.51,  
 449.51, 0.00) DC  
 9TH HIGHEST VALUE IS 10.95244 AT ( 477467.88, 3745177.64, 450.00,  
 450.00, 0.00) DC  
 10TH HIGHEST VALUE IS 10.76029 AT ( 477597.84, 3745096.57, 449.40,  
 449.40, 0.00) DC

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAS\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* \*\* 13:37:49

PAGE 145

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5  
 YEARS \*\*\*

\*\* CONC OF DPM IN  
 MICROGRAMS/M\*\*3 \*\*

NETWORK

GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL,  
 ZFLAG) OF TYPE GRID-ID  
 -----

IDLEE 1ST HIGHEST VALUE IS 25.56856 AT ( 477490.46, 3744455.43, 452.00,  
 452.00, 0.00) DC  
 2ND HIGHEST VALUE IS 14.11417 AT ( 477207.61, 3744374.97, 454.00,  
 454.00, 0.00) DC  
 3RD HIGHEST VALUE IS 13.97563 AT ( 477380.98, 3744305.37, 453.23,  
 453.23, 0.00) DC  
 4TH HIGHEST VALUE IS 13.46870 AT ( 477195.48, 3744375.39, 454.00,  
 454.00, 0.00) DC  
 5TH HIGHEST VALUE IS 11.57041 AT ( 477647.83, 3744648.25, 450.00,  
 450.00, 0.00) DC  
 6TH HIGHEST VALUE IS 11.56930 AT ( 477647.52, 3744591.57, 450.00,  
 450.00, 0.00) DC  
 7TH HIGHEST VALUE IS 11.56369 AT ( 477648.60, 3744619.76, 450.00,  
 450.00, 0.00) DC  
 8TH HIGHEST VALUE IS 11.26681 AT ( 477649.52, 3744560.98, 450.00,  
 450.00, 0.00) DC  
 9TH HIGHEST VALUE IS 10.59653 AT ( 477136.49, 3744374.23, 454.05,  
 454.05, 0.00) DC  
 10TH HIGHEST VALUE IS 9.85997 AT ( 477124.11, 3744367.46, 454.43,  
 454.43, 0.00) DC

IDLEW 1ST HIGHEST VALUE IS 22.50686 AT ( 477136.49, 3744374.23, 454.05,  
 454.05, 0.00) DC  
 2ND HIGHEST VALUE IS 21.87781 AT ( 477195.48, 3744375.39, 454.00,  
 454.00, 0.00) DC  
 3RD HIGHEST VALUE IS 21.38892 AT ( 477107.86, 3744373.84, 454.75,  
 454.75, 0.00) DC  
 4TH HIGHEST VALUE IS 21.16598 AT ( 477207.61, 3744374.97, 454.00,  
 454.00, 0.00) DC

5TH HIGHEST VALUE IS 20.91255 AT ( 477124.11, 3744367.46, 454.43,  
454.43, 0.00) DC  
6TH HIGHEST VALUE IS 19.73802 AT ( 477080.97, 3744372.68, 455.00,  
455.00, 0.00) DC  
7TH HIGHEST VALUE IS 19.32932 AT ( 477074.98, 3744372.30, 455.00,  
455.00, 0.00) DC  
8TH HIGHEST VALUE IS 18.45647 AT ( 477060.08, 3744372.49, 455.00,  
455.00, 0.00) DC  
9TH HIGHEST VALUE IS 16.48733 AT ( 477060.86, 3744356.05, 455.00,  
455.00, 0.00) DC  
10TH HIGHEST VALUE IS 12.67671 AT ( 477118.50, 3744296.66, 455.00,  
455.00, 0.00) DC

LOAD 1ST HIGHEST VALUE IS 26.54730 AT ( 477454.22, 3745035.49, 450.19,  
450.19, 0.00) DC  
2ND HIGHEST VALUE IS 22.00010 AT ( 477515.74, 3745009.76, 450.00,  
450.00, 0.00) DC  
3RD HIGHEST VALUE IS 18.73152 AT ( 477469.06, 3745076.86, 450.00,  
450.00, 0.00) DC  
4TH HIGHEST VALUE IS 18.23982 AT ( 477349.45, 3745114.03, 451.00,  
451.00, 0.00) DC  
5TH HIGHEST VALUE IS 15.87754 AT ( 477469.36, 3745103.93, 450.00,  
450.00, 0.00) DC  
6TH HIGHEST VALUE IS 13.90062 AT ( 477470.51, 3745126.80, 450.00,  
450.00, 0.00) DC  
7TH HIGHEST VALUE IS 12.29591 AT ( 477463.22, 3745153.00, 450.00,  
450.00, 0.00) DC  
8TH HIGHEST VALUE IS 11.34656 AT ( 477594.70, 3745070.21, 449.51,  
449.51, 0.00) DC  
9TH HIGHEST VALUE IS 10.75600 AT ( 477467.88, 3745177.64, 450.00,  
450.00, 0.00) DC  
10TH HIGHEST VALUE IS 10.23869 AT ( 477597.84, 3745096.57, 449.40,  
449.40, 0.00) DC

NEV100 1ST HIGHEST VALUE IS 46.37907 AT ( 477060.08, 3744372.49, 455.00,  
455.00, 0.00) DC  
2ND HIGHEST VALUE IS 46.21431 AT ( 477060.86, 3744356.05, 455.00,  
455.00, 0.00) DC  
3RD HIGHEST VALUE IS 28.75604 AT ( 477074.98, 3744372.30, 455.00,  
455.00, 0.00) DC  
4TH HIGHEST VALUE IS 24.92350 AT ( 477080.97, 3744372.68, 455.00,  
455.00, 0.00) DC  
5TH HIGHEST VALUE IS 18.39268 AT ( 477354.60, 3743419.36, 455.00,  
455.00, 0.00) DC  
6TH HIGHEST VALUE IS 15.63468 AT ( 477147.35, 3744041.93, 456.00,  
456.00, 0.00) DC  
7TH HIGHEST VALUE IS 15.53350 AT ( 477107.86, 3744373.84, 454.75,  
454.75, 0.00) DC  
8TH HIGHEST VALUE IS 14.69290 AT ( 477118.50, 3744296.66, 455.00,  
455.00, 0.00) DC  
9TH HIGHEST VALUE IS 14.56047 AT ( 477147.86, 3744066.56, 456.00,  
456.00, 0.00) DC  
10TH HIGHEST VALUE IS 12.97894 AT ( 477146.84, 3744132.25, 456.00,  
456.00, 0.00) DC

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 146

\*\*\* 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,
NEV50 454.75,	1ST HIGHEST VALUE IS 0.00) DC	14.42629 AT (	477107.86, 3744373.84, 454.75,
	2ND HIGHEST VALUE IS 455.00, 0.00) DC	14.42482 AT (	477080.97, 3744372.68, 455.00,
	3RD HIGHEST VALUE IS 455.00, 0.00) DC	14.37304 AT (	477074.98, 3744372.30, 455.00,
	4TH HIGHEST VALUE IS 455.00, 0.00) DC	14.28657 AT (	477060.08, 3744372.49, 455.00,
	5TH HIGHEST VALUE IS 454.05, 0.00) DC	14.02015 AT (	477136.49, 3744374.23, 454.05,
	6TH HIGHEST VALUE IS 454.43, 0.00) DC	13.71402 AT (	477124.11, 3744367.46, 454.43,
	7TH HIGHEST VALUE IS 455.00, 0.00) DC	12.94452 AT (	477060.86, 3744356.05, 455.00,
	8TH HIGHEST VALUE IS 454.00, 0.00) DC	12.42051 AT (	477195.48, 3744375.39, 454.00,
	9TH HIGHEST VALUE IS 454.00, 0.00) DC	11.98059 AT (	477207.61, 3744374.97, 454.00,
	10TH HIGHEST VALUE IS 455.00, 0.00) DC	9.58812 AT (	477118.50, 3744296.66, 455.00,
OFFRET 453.60,	1ST HIGHEST VALUE IS 0.00) DC	14.15073 AT (	477111.89, 3745113.29, 453.60,
	2ND HIGHEST VALUE IS 454.00, 0.00) DC	11.10743 AT (	477015.66, 3745168.64, 454.00,
	3RD HIGHEST VALUE IS 451.00, 0.00) DC	7.00202 AT (	477349.45, 3745114.03, 451.00,
	4TH HIGHEST VALUE IS 454.05, 0.00) DC	6.81729 AT (	477136.49, 3744374.23, 454.05,
	5TH HIGHEST VALUE IS 454.75, 0.00) DC	6.79283 AT (	477107.86, 3744373.84, 454.75,
	6TH HIGHEST VALUE IS 455.00, 0.00) DC	6.70467 AT (	477080.97, 3744372.68, 455.00,
	7TH HIGHEST VALUE IS 454.00, 0.00) DC	6.69544 AT (	477195.48, 3744375.39, 454.00,
	8TH HIGHEST VALUE IS 455.00, 0.00) DC	6.67715 AT (	477074.98, 3744372.30, 455.00,
	9TH HIGHEST VALUE IS 454.43, 0.00) DC	6.65180 AT (	477124.11, 3744367.46, 454.43,
	10TH HIGHEST VALUE IS 455.00, 0.00) DC	6.62919 AT (	477060.08, 3744372.49, 455.00,
ONE 452.00,	1ST HIGHEST VALUE IS 0.00) DC	18.37279 AT (	477490.46, 3744455.43, 452.00,
	2ND HIGHEST VALUE IS 450.19, 0.00) DC	10.89221 AT (	477454.22, 3745035.49, 450.19,
	3RD HIGHEST VALUE IS 450.00, 0.00) DC	9.97982 AT (	477515.74, 3745009.76, 450.00,
	4TH HIGHEST VALUE IS 450.00, 0.00) DC	9.92966 AT (	477647.83, 3744648.25, 450.00,
	5TH HIGHEST VALUE IS 454.00, 0.00) DC	9.78933 AT (	477207.61, 3744374.97, 454.00,
	6TH HIGHEST VALUE IS 450.00, 0.00) DC	9.77736 AT (	477648.60, 3744619.76, 450.00,
	7TH HIGHEST VALUE IS 450.00, 0.00) DC	9.65487 AT (	477647.52, 3744591.57, 450.00,

8TH HIGHEST VALUE IS 9.61780 AT ( 477380.98, 3744305.37, 453.23,  
 453.23, 0.00) DC  
 9TH HIGHEST VALUE IS 9.45697 AT ( 477195.48, 3744375.39, 454.00,  
 454.00, 0.00) DC  
 10TH HIGHEST VALUE IS 9.30231 AT ( 477649.52, 3744560.98, 450.00,  
 450.00, 0.00) DC

ONRET 1ST HIGHEST VALUE IS 14.26741 AT ( 477454.22, 3745035.49, 450.19,  
 450.19, 0.00) DC  
 2ND HIGHEST VALUE IS 13.94228 AT ( 477111.89, 3745113.29, 453.60,  
 453.60, 0.00) DC  
 3RD HIGHEST VALUE IS 13.15649 AT ( 477349.45, 3745114.03, 451.00,  
 451.00, 0.00) DC  
 4TH HIGHEST VALUE IS 11.80845 AT ( 477515.74, 3745009.76, 450.00,  
 450.00, 0.00) DC  
 5TH HIGHEST VALUE IS 11.12363 AT ( 477469.06, 3745076.86, 450.00,  
 450.00, 0.00) DC  
 6TH HIGHEST VALUE IS 9.93831 AT ( 477469.36, 3745103.93, 450.00,  
 450.00, 0.00) DC  
 7TH HIGHEST VALUE IS 9.05028 AT ( 477470.51, 3745126.80, 450.00,  
 450.00, 0.00) DC  
 8TH HIGHEST VALUE IS 8.81145 AT ( 477015.66, 3745168.64, 454.00,  
 454.00, 0.00) DC  
 9TH HIGHEST VALUE IS 8.35870 AT ( 477463.22, 3745153.00, 450.00,  
 450.00, 0.00) DC  
 10TH HIGHEST VALUE IS 7.54916 AT ( 477467.88, 3745177.64, 450.00,  
 450.00, 0.00) DC

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* \*\*\* 13:37:49

PAGE 147

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5  
 YEARS \*\*\*

\*\* CONC OF DPM IN  
 MICROGRAMS/M\*\*3 \*\*

NETWORK

GROUP ID NETWORK AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL,  
 ZFLAG) OF TYPE GRID-ID  
 -----

ONW 1ST HIGHEST VALUE IS 21.80605 AT ( 477136.49, 3744374.23, 454.05,  
 454.05, 0.00) DC  
 2ND HIGHEST VALUE IS 21.38473 AT ( 477107.86, 3744373.84, 454.75,  
 454.75, 0.00) DC  
 3RD HIGHEST VALUE IS 20.54350 AT ( 477124.11, 3744367.46, 454.43,  
 454.43, 0.00) DC  
 4TH HIGHEST VALUE IS 20.08453 AT ( 477080.97, 3744372.68, 455.00,  
 455.00, 0.00) DC  
 5TH HIGHEST VALUE IS 19.71913 AT ( 477074.98, 3744372.30, 455.00,  
 455.00, 0.00) DC  
 6TH HIGHEST VALUE IS 19.66719 AT ( 477195.48, 3744375.39, 454.00,  
 454.00, 0.00) DC  
 7TH HIGHEST VALUE IS 18.93564 AT ( 477060.08, 3744372.49, 455.00,  
 455.00, 0.00) DC  
 8TH HIGHEST VALUE IS 18.82423 AT ( 477207.61, 3744374.97, 454.00,  
 454.00, 0.00) DC  
 9TH HIGHEST VALUE IS 16.75568 AT ( 477060.86, 3744356.05, 455.00,  
 455.00, 0.00) DC

455.00, 0.00) DC  
10TH HIGHEST VALUE IS 12.40683 AT ( 477118.50, 3744296.66, 455.00,  
455.00, 0.00) DC

REF1 1ST HIGHEST VALUE IS 28.12753 AT ( 477454.22, 3745035.49, 450.19,  
450.19, 0.00) DC  
2ND HIGHEST VALUE IS 22.33628 AT ( 477515.74, 3745009.76, 450.00,  
450.00, 0.00) DC  
3RD HIGHEST VALUE IS 20.05533 AT ( 477349.45, 3745114.03, 451.00,  
451.00, 0.00) DC  
4TH HIGHEST VALUE IS 19.69652 AT ( 477469.06, 3745076.86, 450.00,  
450.00, 0.00) DC  
5TH HIGHEST VALUE IS 16.67457 AT ( 477469.36, 3745103.93, 450.00,  
450.00, 0.00) DC  
6TH HIGHEST VALUE IS 14.56916 AT ( 477470.51, 3745126.80, 450.00,  
450.00, 0.00) DC  
7TH HIGHEST VALUE IS 12.87816 AT ( 477463.22, 3745153.00, 450.00,  
450.00, 0.00) DC  
8TH HIGHEST VALUE IS 11.43255 AT ( 477594.70, 3745070.21, 449.51,  
449.51, 0.00) DC  
9TH HIGHEST VALUE IS 11.22673 AT ( 477467.88, 3745177.64, 450.00,  
450.00, 0.00) DC  
10TH HIGHEST VALUE IS 10.35514 AT ( 477597.84, 3745096.57, 449.40,  
449.40, 0.00) DC

REF2 1ST HIGHEST VALUE IS 30.89365 AT ( 477454.22, 3745035.49, 450.19,  
450.19, 0.00) DC  
2ND HIGHEST VALUE IS 25.17271 AT ( 477515.74, 3745009.76, 450.00,  
450.00, 0.00) DC  
3RD HIGHEST VALUE IS 21.13444 AT ( 477469.06, 3745076.86, 450.00,  
450.00, 0.00) DC  
4TH HIGHEST VALUE IS 20.05794 AT ( 477349.45, 3745114.03, 451.00,  
451.00, 0.00) DC  
5TH HIGHEST VALUE IS 17.66594 AT ( 477469.36, 3745103.93, 450.00,  
450.00, 0.00) DC  
6TH HIGHEST VALUE IS 15.31081 AT ( 477470.51, 3745126.80, 450.00,  
450.00, 0.00) DC  
7TH HIGHEST VALUE IS 13.40984 AT ( 477463.22, 3745153.00, 450.00,  
450.00, 0.00) DC  
8TH HIGHEST VALUE IS 12.38650 AT ( 477594.70, 3745070.21, 449.51,  
449.51, 0.00) DC  
9TH HIGHEST VALUE IS 11.63741 AT ( 477467.88, 3745177.64, 450.00,  
450.00, 0.00) DC  
10TH HIGHEST VALUE IS 11.12845 AT ( 477597.84, 3745096.57, 449.40,  
449.40, 0.00) DC

SPILL1 1ST HIGHEST VALUE IS 28.14223 AT ( 477454.22, 3745035.49, 450.19,  
450.19, 0.00) DC  
2ND HIGHEST VALUE IS 22.30543 AT ( 477515.74, 3745009.76, 450.00,  
450.00, 0.00) DC  
3RD HIGHEST VALUE IS 20.07185 AT ( 477349.45, 3745114.03, 451.00,  
451.00, 0.00) DC  
4TH HIGHEST VALUE IS 19.70181 AT ( 477469.06, 3745076.86, 450.00,  
450.00, 0.00) DC  
5TH HIGHEST VALUE IS 16.66957 AT ( 477469.36, 3745103.93, 450.00,  
450.00, 0.00) DC  
6TH HIGHEST VALUE IS 14.55693 AT ( 477470.51, 3745126.80, 450.00,  
450.00, 0.00) DC  
7TH HIGHEST VALUE IS 12.85370 AT ( 477463.22, 3745153.00, 450.00,  
450.00, 0.00) DC  
8TH HIGHEST VALUE IS 11.41040 AT ( 477594.70, 3745070.21, 449.51,  
449.51, 0.00) DC  
9TH HIGHEST VALUE IS 11.20161 AT ( 477467.88, 3745177.64, 450.00,  
450.00, 0.00) DC  
10TH HIGHEST VALUE IS 10.33788 AT ( 477597.84, 3745096.57, 449.40,  
449.40, 0.00) DC

PAGE 148

\*\*\* MODELOPTs: RegDFault CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF MAXIMUM ANNUAL RESULTS AVERAGED OVER 5 YEARS \*\*\*

\*\* CONC OF DPM IN MICROGRAMS/M\*\*3 \*\*

GROUP ID ZFLAG)	NETWORK OF TYPE GRID-ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL,
SPILL2 450.19,	1ST HIGHEST VALUE IS 0.00) DC	30.88590 AT (	477454.22, 3745035.49, 450.19,
	2ND HIGHEST VALUE IS 450.00, 0.00) DC	25.14113 AT (	477515.74, 3745009.76, 450.00,
	3RD HIGHEST VALUE IS 450.00, 0.00) DC	21.12114 AT (	477469.06, 3745076.86, 450.00,
	4TH HIGHEST VALUE IS 451.00, 0.00) DC	20.12267 AT (	477349.45, 3745114.03, 451.00,
	5TH HIGHEST VALUE IS 450.00, 0.00) DC	17.64087 AT (	477469.36, 3745103.93, 450.00,
	6TH HIGHEST VALUE IS 450.00, 0.00) DC	15.28018 AT (	477470.51, 3745126.80, 450.00,
	7TH HIGHEST VALUE IS 450.00, 0.00) DC	13.36930 AT (	477463.22, 3745153.00, 450.00,
	8TH HIGHEST VALUE IS 449.51, 0.00) DC	12.36323 AT (	477594.70, 3745070.21, 449.51,
	9TH HIGHEST VALUE IS 450.00, 0.00) DC	11.59959 AT (	477467.88, 3745177.64, 450.00,
	10TH HIGHEST VALUE IS 449.40, 0.00) DC	11.11184 AT (	477597.84, 3745096.57, 449.40,
TLB 454.00,	1ST HIGHEST VALUE IS 0.00) DC	18.48975 AT (	477207.61, 3744374.97, 454.00,
	2ND HIGHEST VALUE IS 454.00, 0.00) DC	18.20393 AT (	477195.48, 3744375.39, 454.00,
	3RD HIGHEST VALUE IS 454.05, 0.00) DC	15.72547 AT (	477136.49, 3744374.23, 454.05,
	4TH HIGHEST VALUE IS 454.43, 0.00) DC	14.56807 AT (	477124.11, 3744367.46, 454.43,
	5TH HIGHEST VALUE IS 454.75, 0.00) DC	14.33514 AT (	477107.86, 3744373.84, 454.75,
	6TH HIGHEST VALUE IS 452.00, 0.00) DC	13.05049 AT (	477490.46, 3744455.43, 452.00,
	7TH HIGHEST VALUE IS 455.00, 0.00) DC	13.00566 AT (	477080.97, 3744372.68, 455.00,
	8TH HIGHEST VALUE IS 455.00, 0.00) DC	12.71431 AT (	477074.98, 3744372.30, 455.00,
	9TH HIGHEST VALUE IS 455.00, 0.00) DC	12.07597 AT (	477060.08, 3744372.49, 455.00,
	10TH HIGHEST VALUE IS 453.23, 0.00) DC	11.28117 AT (	477380.98, 3744305.37, 453.23,
ALL 450.19,	1ST HIGHEST VALUE IS 0.00) DC	421.80988 AT (	477454.22, 3745035.49, 450.19,

2ND HIGHEST VALUE IS 347.12341 AT ( 477515.74, 3745009.76, 450.00,  
450.00, 0.00) DC  
3RD HIGHEST VALUE IS 328.26678 AT ( 477349.45, 3745114.03, 451.00,  
451.00, 0.00) DC  
4TH HIGHEST VALUE IS 309.38458 AT ( 477469.06, 3745076.86, 450.00,  
450.00, 0.00) DC  
5TH HIGHEST VALUE IS 273.03097 AT ( 477111.89, 3745113.29, 453.60,  
453.60, 0.00) DC  
6TH HIGHEST VALUE IS 268.62610 AT ( 477469.36, 3745103.93, 450.00,  
450.00, 0.00) DC  
7TH HIGHEST VALUE IS 239.81974 AT ( 477470.51, 3745126.80, 450.00,  
450.00, 0.00) DC  
8TH HIGHEST VALUE IS 237.65884 AT ( 477060.08, 3744372.49, 455.00,  
455.00, 0.00) DC  
9TH HIGHEST VALUE IS 225.49631 AT ( 477136.49, 3744374.23, 454.05,  
454.05, 0.00) DC  
10TH HIGHEST VALUE IS 225.24056 AT ( 477074.98, 3744372.30, 455.00,  
455.00, 0.00) DC

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
GP = GRIDPOLR  
DC = DISCCART  
DP = DISCPOLR

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
Ops\13998 Ops. \*\*\* 06/14/22  
\*\*\* AERMET - VERSION 16216 \*\*\*  
\*\*\* 13:37:49

PAGE 149

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF HIGHEST 1-HR RESULTS \*\*\*

\*\* CONC OF DPM IN  
MICROGRAMS/M\*\*3 \*\*

GROUP ID	ZELEV, ZHILL, ZFLAG)	OF TYPE	AVERAGE CONC	DATE	RECEPTOR	NETWORK
			GRID-ID	(YYMMDDHH)		(XR, YR,
BLDG1	HIGH 1ST HIGH VALUE IS 453.60, 453.60, 0.00) DC		134.79398	ON 14113016: AT ( 477111.89, 3745113.29,		
BLDG2	HIGH 1ST HIGH VALUE IS 453.60, 453.60, 0.00) DC		141.88254	ON 14113016: AT ( 477111.89, 3745113.29,		
BLDG3	HIGH 1ST HIGH VALUE IS 453.60, 453.60, 0.00) DC		95.34060	ON 16123116: AT ( 477111.89, 3745113.29,		
BLDG4	HIGH 1ST HIGH VALUE IS 450.19, 450.19, 0.00) DC		82.98010	ON 16090507: AT ( 477454.22, 3745035.49,		
BLDG5	HIGH 1ST HIGH VALUE IS 450.19, 450.19, 0.00) DC		151.94648	ON 16090507: AT ( 477454.22, 3745035.49,		
BLDG6	HIGH 1ST HIGH VALUE IS 450.19, 450.19, 0.00) DC		166.70059	ON 16090507: AT ( 477454.22, 3745035.49,		
BLDG7	HIGH 1ST HIGH VALUE IS 450.19, 450.19, 0.00) DC		228.00066	ON 16082607: AT ( 477454.22, 3745035.49,		

BLDG8	HIGH	1ST	HIGH	VALUE	IS	254.81384	ON 16090507:	AT (	477515.74,	3745009.76,
450.00,	450.00,	0.00)	DC							
BREATHE	HIGH	1ST	HIGH	VALUE	IS	174.58921	ON 16090507:	AT (	477515.74,	3745009.76,
450.00,	450.00,	0.00)	DC							
DW2	HIGH	1ST	HIGH	VALUE	IS	147.83408	ON 14090307:	AT (	477107.86,	3744373.84,
454.75,	454.75,	0.00)	DC							
DW3	HIGH	1ST	HIGH	VALUE	IS	92.93766	ON 14113016:	AT (	477111.89,	3745113.29,
453.60,	453.60,	0.00)	DC							
GASIDLE	HIGH	1ST	HIGH	VALUE	IS	182.46368	ON 16090507:	AT (	477515.74,	3745009.76,
450.00,	450.00,	0.00)	DC							
IDLEE	HIGH	1ST	HIGH	VALUE	IS	111.91523	ON 16050618:	AT (	477490.46,	3744455.43,
452.00,	452.00,	0.00)	DC							
IDLEW	HIGH	1ST	HIGH	VALUE	IS	102.85301	ON 14090307:	AT (	477195.48,	3744375.39,
454.00,	454.00,	0.00)	DC							
LOAD	HIGH	1ST	HIGH	VALUE	IS	174.72632	ON 16090507:	AT (	477515.74,	3745009.76,
450.00,	450.00,	0.00)	DC							
NEV100	HIGH	1ST	HIGH	VALUE	IS	123.84100	ON 14041207:	AT (	477060.08,	3744372.49,
455.00,	455.00,	0.00)	DC							
NEV50	HIGH	1ST	HIGH	VALUE	IS	71.18351	ON 14090307:	AT (	477107.86,	3744373.84,
454.75,	454.75,	0.00)	DC							
OFFRET	HIGH	1ST	HIGH	VALUE	IS	101.14453	ON 14113016:	AT (	477111.89,	3745113.29,
453.60,	453.60,	0.00)	DC							
ONE	HIGH	1ST	HIGH	VALUE	IS	69.48143	ON 10020417:	AT (	477490.46,	3744455.43,
452.00,	452.00,	0.00)	DC							
ONRET	HIGH	1ST	HIGH	VALUE	IS	78.42795	ON 14041207:	AT (	477454.22,	3745035.49,
450.19,	450.19,	0.00)	DC							
ONW	HIGH	1ST	HIGH	VALUE	IS	99.46970	ON 14090307:	AT (	477136.49,	3744374.23,
454.05,	454.05,	0.00)	DC							
REF1	HIGH	1ST	HIGH	VALUE	IS	223.07000	ON 16090507:	AT (	477515.74,	3745009.76,
450.00,	450.00,	0.00)	DC							
REF2	HIGH	1ST	HIGH	VALUE	IS	254.26013	ON 16090507:	AT (	477515.74,	3745009.76,
450.00,	450.00,	0.00)	DC							
SPIILL1	HIGH	1ST	HIGH	VALUE	IS	265.97856	ON 16090507:	AT (	477515.74,	3745009.76,
450.00,	450.00,	0.00)	DC							
SPIILL2	HIGH	1ST	HIGH	VALUE	IS	305.53414	ON 16090507:	AT (	477515.74,	3745009.76,
450.00,	450.00,	0.00)	DC							

\*\*\* AERMOD - VERSION 21112 \*\*\*  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\*

\*\*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998

\*\*\* 13:37:49

PAGE 150

\*\*\* MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* THE SUMMARY OF HIGHEST 1-HR RESULTS \*\*\*

\*\* CONC OF DPM IN



GROUP ID	AVERAGE CONC	DATE	NETWORK
ZELEV, ZHILL, ZFLAG)	OF TYPE GRID-ID	(YYMMDDHH)	RECEPTOR (XR, YR,

TLB	HIGH	1ST HIGH VALUE IS	55.91239	ON 11070219: AT (	477207.61,	3744374.97,
454.00,	454.00,	0.00) DC				
ALL	HIGH	1ST HIGH VALUE IS	2538.20776	ON 16090507: AT (	477515.74,	3745009.76,
450.00,	450.00,	0.00) DC				

\*\*\* RECEPTOR TYPES: GC = GRIDCART  
 GP = GRIDPOLR  
 DC = DISCCART  
 DP = DISCPOLR

\*\*\* AERMOD - VERSION 21112 \*\*\* \*\* C:\Users\Michael Tirohn\Desktop\HRAs\13998 RGCC\13998  
 Ops\13998 Ops. \*\*\* 06/14/22  
 \*\*\* AERMET - VERSION 16216 \*\*\*  
 \*\*\* \*\* 13:37:49

PAGE 151

\*\*\* MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ\_U\*

\*\*\* Message Summary : AERMOD Model Execution \*\*\*

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)  
 A Total of 4 Warning Message(s)  
 A Total of 2028 Informational Message(s)  
 A Total of 43824 Hours Were Processed  
 A Total of 978 Calm Hours Identified  
 A Total of 1050 Missing Hours Identified ( 2.40 Percent)

\*\*\*\*\* FATAL ERROR MESSAGES \*\*\*\*\*  
 \*\*\* NONE \*\*\*

\*\*\*\*\* WARNING MESSAGES \*\*\*\*\*

ME W186 1544 MEOPEN: THRESH\_1MIN 1-min ASOS wind speed threshold used 0.50  
 ME W187 1544 MEOPEN: ADJ\_U\* Option for Stable Low Winds used in AERMET  
 MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 14010101  
 MX W450 17521 CHKDAT: Record Out of Sequence in Meteorological File at: 2 year gap

\*\*\*\*\*  
 \*\*\* AERMOD Finishes Successfully \*\*\*  
 \*\*\*\*\*

*This page intentionally left blank*

## **APPENDIX 3.4:**

### **RISK CALCULATIONS**

**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)
	0.00863	8.63E-06			1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	6.7E-06	8.6E-07	5.0E+00	1.4E-03	1.7E-03					
TOTAL				8.6E-07				1.7E-03 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00 0.0E+00										

0.86

\*\* Key to Toxicological Endpoints

RESP        Respiratory System  
CNS/PNS    Central/Peripheral Nervous System  
CV/BL      Cardiovascular/Blood System  
IMMUN     Immune System  
KIDN        Kidney  
GI/LV       Gastrointestinal System/Liver  
REPRO      Reproductive System (e.g. teratogenic and developmental effects)  
EYES        Eye irritation and/or other effects

Note:        Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	260
exposure duration (years)	1.01
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 6  
Quantification of Carcinogenic Risks and Noncarcinogenic Risks  
9-Year School Child 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)	
1	Diesel Particulates	7.97E-02	7.97E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.2E-05	1.0E-06	5.0E+00	1.4E-03	1.6E-02								
TOTAL									1.0E-06 1.02		1.6E-02	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	

\*\* 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)	1.01
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		





















*This page intentionally left blank*