



**Cajalco Commerce Center
(PPT220050)
MOBILE SOURCE HEALTH RISK ASSESSMENT
COUNTY OF RIVERSIDE**

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LIST OF ABBREVIATED TERMS

| | |
|------------------|--|
| (1) | Reference |
| µg | Microgram |
| AERMOD | American Meteorological Society/Environmental Protection Agency Regulatory Model |
| APS | Auxiliary Power System |
| AQMD | Air Quality Management District |
| ARB | Air Resources Board |
| CEQA | California Environmental Quality Act |
| CPF | Cancer Potency Factor |
| DPM | Diesel Particulate Matter |
| EMFAC | Emission Factor Model |
| EPA | Environmental Protection Agency |
| HHD | Heavy Heavy-Duty |
| HI | Hazard Index |
| HRA | Health Risk Assessment |
| LHD | Light Heavy-Duty |
| MEIR | Maximally Exposed Individual Receptor |
| MEISC | Maximally Exposed Individual School Child |
| MEIW | Maximally Exposed Individual Worker |
| MHD | Medium Heavy-Duty |
| NAD | North American Datum |
| OEHHA | Office of Environmental Health Hazard Assessment |
| PM ₁₀ | Particulate Matter 10 microns in diameter or less |
| Project | Cajalco Commerce Center |
| REL | Reference Exposure Level |
| 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 |

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EXECUTIVE SUMMARY

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

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

CONSTRUCTION IMPACTS

The land use with the greatest potential exposure to Project construction-source DPM emissions is Location R4 which is located approximately 76 feet east of the Project site at an existing residence located at 22761 Cajalco Road. R4 is placed in 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 1.40 in one million, which is less than the South Coast Air Quality Management District (SCAQMD) 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. Location R4 is the nearest receptor to the Project site and would experience the highest concentrations of DPM during Project construction due to meteorological conditions at the site. Because all other modeled receptors would experience lower concentrations of DPM during Project construction, all other receptors in the vicinity of the Project 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 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.

OPERATIONAL IMPACTS

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R3 which is located approximately 167 feet south of the Project site at an existing residence located at 19701 Seaton Avenue. Since there are no private outdoor living areas (backyards) facing the Project site, R3 is placed at the building façade. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 1.95 in one million, which is less than the SCAQMD 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 R3 is not the nearest receptor to the Project site, it is the location that would experience the highest concentrations of DPM during project operation due to meteorological conditions at the site. All other receptors would experience lower concentrations of DPM and thus less risk during operation of the proposed Project than the MEIR identified herein. As such, the Project will not cause a significant

human health or cancer risk to adjacent land uses as a result of Project operational activity. All other receptors would experience less risk than what is identified for this location.

Worker Exposure Scenario¹:

The worker receptor land use with the greatest potential exposure to Project operational -source DPM emissions is Location R6, which represents the potential worker receptor located approximately 786 feet east of the Project site. At the maximally exposed individual worker (MEIW), the maximum incremental cancer risk impact is 0.07 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. Location R6 is the worker receptor that would experience the highest concentrations of DPM during Project operation due to meteorological conditions at the site. All other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby workers.

School Child Exposure Scenario:

The nearest school is the Perris Seventh Day Adventist Church, located approximately 1,080 feet north of the Project site. At the maximally exposed individual school child (MEISC), the maximum incremental cancer risk impact attributable to the Project is calculated to be 0.09 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. Because all other modeled school receptors would be exposed to lower concentrations of DPM, all other school receptors in the vicinity of the of the Project would be exposed to less emissions and therefore less risk than the MEISC identified herein.

CONSTRUCTION AND OPERATIONAL IMPACTS

The land use with the greatest potential exposure to Project construction-source and operational-source DPM emissions is Location R4. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source and operational-source DPM emissions is estimated at 2.60 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 residences.

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

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

| Time Period | Location | Maximum Lifetime Cancer Risk (Risk per Million) | Significance Threshold (Risk per Million) | Exceeds Significance Threshold |
|--------------------|------------------------------------|---|---|--------------------------------|
| 1.28 Year Exposure | Maximum Exposed Sensitive Receptor | 1.40 | 10 | NO |
| Time Period | Location | Maximum Hazard Index | Significance Threshold | Exceeds Significance Threshold |
| Annual Average | Maximum Exposed Sensitive Receptor | <0.01 | 1.0 | NO |

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

| Time Period | Location | Maximum Lifetime Cancer Risk (Risk per Million) | Significance Threshold (Risk per Million) | Exceeds Significance Threshold |
|------------------|---|---|---|--------------------------------|
| 30 Year Exposure | Maximum Exposed Sensitive Receptor | 1.95 | 10 | NO |
| 25 Year Exposure | Maximum Exposed Worker Receptor | 0.07 | 10 | NO |
| 9 Year Exposure | Maximum Exposed Individual School Child | 0.09 | 10 | NO |
| Time Period | Location | Maximum Hazard Index | Significance Threshold | Exceeds Significance Threshold |
| Annual Average | Maximum Exposed Sensitive Receptor | <0.01 | 1.0 | NO |
| Annual Average | Maximum Exposed Worker Receptor | <0.01 | 1.0 | NO |
| Annual Average | Maximum Exposed Individual School Child | <0.01 | 1.0 | NO |

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

| Time Period | Location | Maximum Lifetime Cancer Risk (Risk per Million) | Significance Threshold (Risk per Million) | Exceeds Significance Threshold |
|--------------------|------------------------------------|--|--|---------------------------------------|
| 30 Year Exposure | Maximum Exposed Sensitive Receptor | 2.60 | 10 | NO |
| Time Period | Location | Maximum Hazard Index | Significance Threshold | Exceeds Significance Threshold |
| Annual Average | Maximum Exposed Sensitive Receptor | <0.01 | 1.0 | NO |

1 INTRODUCTION

This HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1) and is comprised of all relevant and appropriate procedures presented by the United States Environmental Protection Agency (U.S. EPA), California EPA and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to TAC exposure from a project such as the proposed Project. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulatively considerable impact.

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

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

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

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

1.1 SITE LOCATION

The proposed project is located south of Cajalco Road between Decker Road and Seaton Avenue in the County of Riverside as shown on Exhibit 1-A.

1.2 PROJECT DESCRIPTION

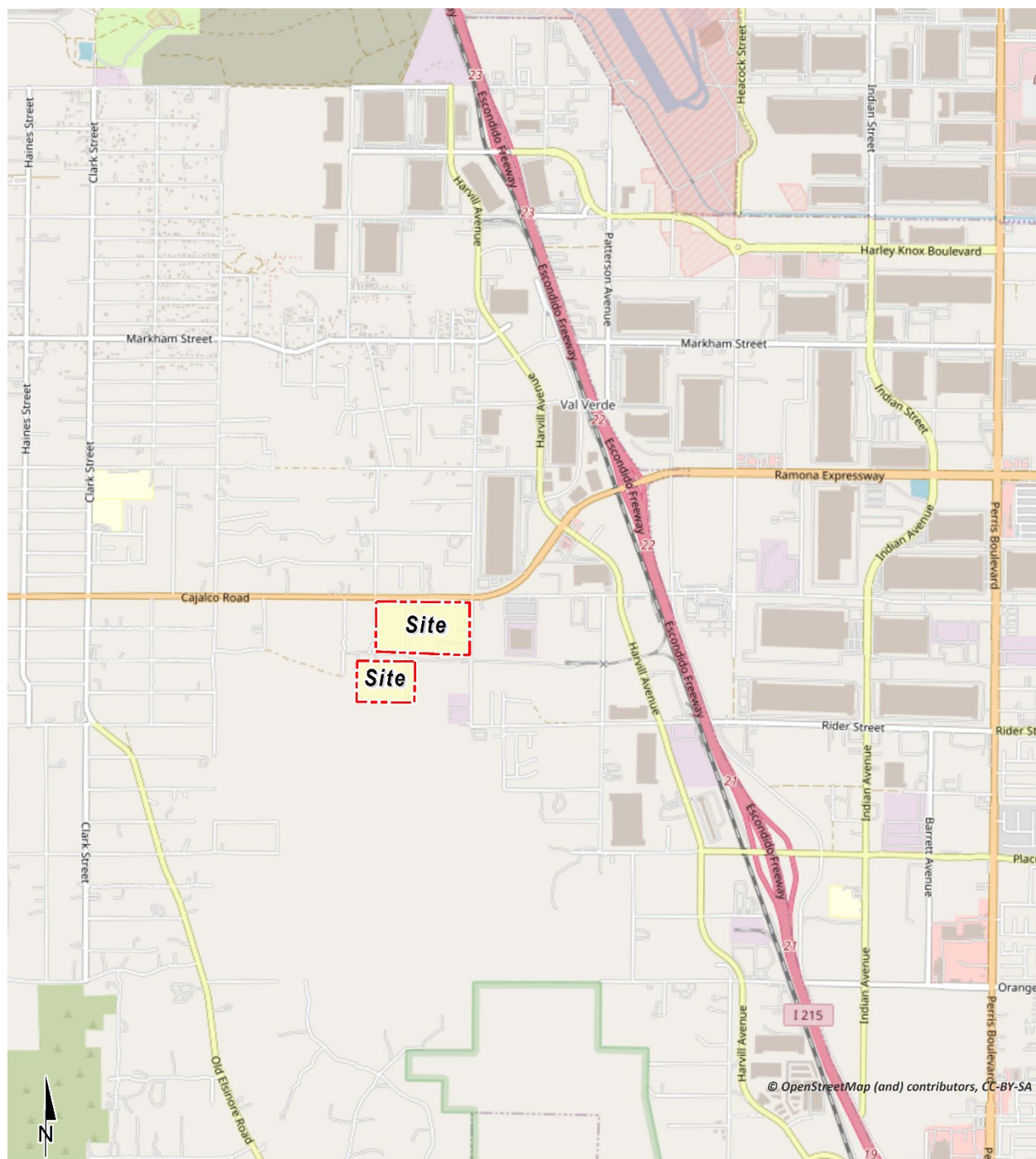
The Project Applicant proposes the Project to consist of the development of a 1,003,510 square foot warehouse building and an active park of up to 14.94 acres. The total Project site is 57.6 acres on APNs 317-080-003 through -008, -013 through -014, -019 through -023, -027 through -029 and 317-090-002 through -008. For purposes of analysis, the warehouse building has been evaluated assuming 852,984 square feet (or 85% of the overall building square footage) of high-cube fulfillment warehouse use and 150,526 square feet of high-cube cold storage warehouse use (remaining 15% of the overall building square footage). A preliminary site plan for the proposed Project is shown on Exhibit 1-B.

Construction is expected to commence in September 2024 and would last through December 2025 and will include demolition, site preparation, grading, crushing/blasting, building construction, paving, and architectural coating. To support the Project development, there will be grading, trenching, and paving for off-site improvements associated with roadway construction and utility installation for the Project. It is expected that these off-site improvements will be constructed within the existing public right-of-way (ROW) on Decker Road, Seaton Avenue, Cajalco Road and Rider Street.

The General Plan and MVAP designate the Project site for “Commercial Retail (CR)” land uses with Rural Community – Very Low-Density Residential (VLDR) uses. The General Plan states that the Commercial Retail land use designation is intended for local and regional serving retail and service uses at an allowable Floor Area Ratio (FAR) of 0.20-0.35 (3). The Rural Community – Very Low-Density Residential (VLDR) land use designation is intended for single-family detached residences on large parcels of 1 to 2 acres with limited agriculture and animal keeping. Implementation of the Project will require an amendment to the General Plan Land Use designation and Zoning designation of the Project Site.

Per the *Cajalco Commerce Center Traffic Impact Analysis* prepared by Urban Crossroads, Inc., the Project is expected to generate a total of approximately 2,886 vehicular trips per day, which includes 438 truck trips per day (4).

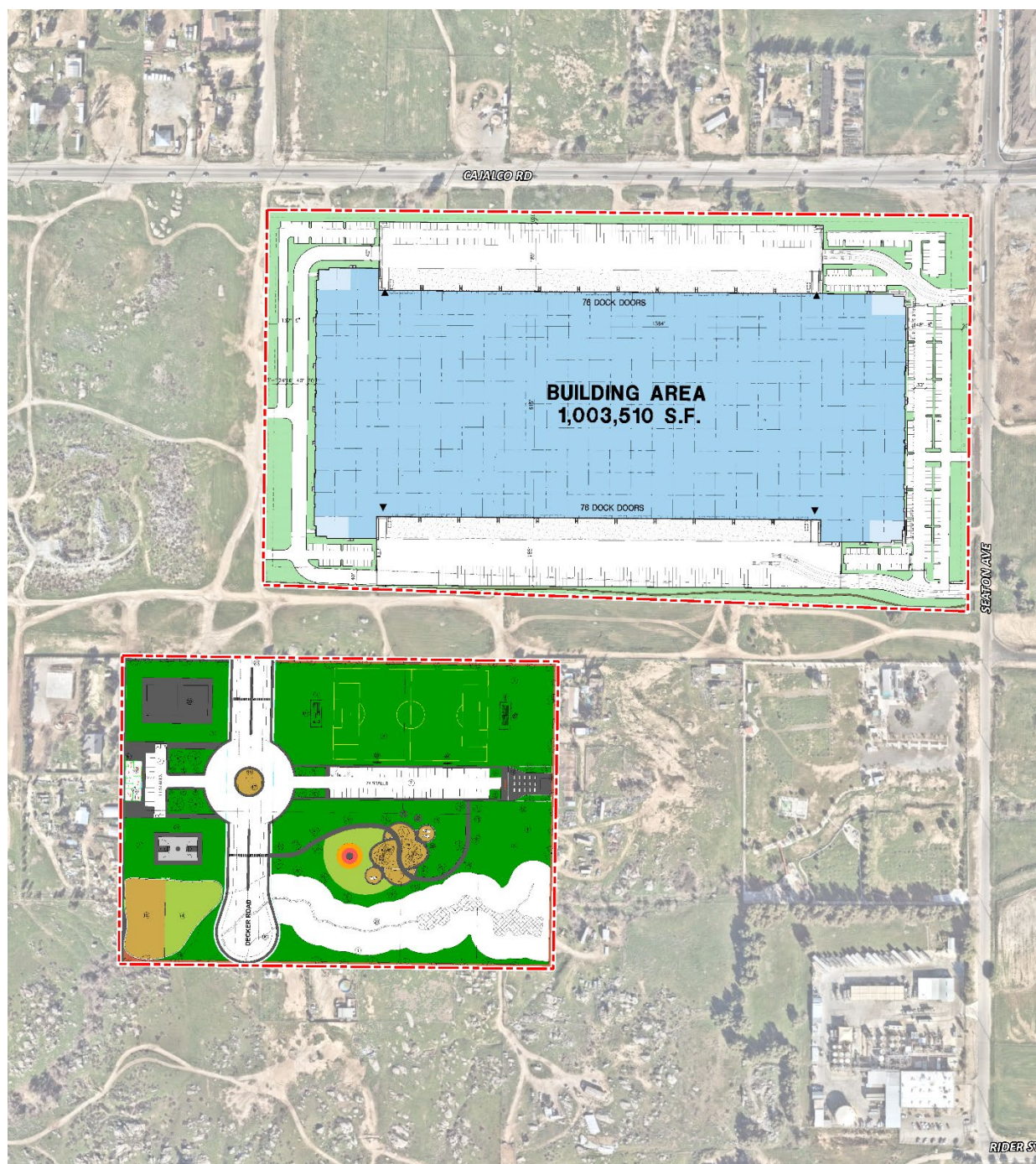
EXHIBIT 1-A: LOCATION MAP



LEGEND:

Site Site Boundary

EXHIBIT 1-B: SITE PLAN



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2 BACKGROUND

2.1 BACKGROUND ON RECOMMENDED METHODOLOGY

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

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

2.2 CONSTRUCTION HEALTH RISK ASSESSMENT

2.2.1 EMISSIONS CALCULATIONS AND MODELING

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

Construction related DPM emissions are expected to occur primarily as a function of the operation of heavy-duty construction equipment.

As discussed in the technical study, the Project would result in approximately 335 total working-days of construction activity. The construction duration by phase is shown on Table 2-1. A detailed summary of construction equipment assumptions by phase is provided at Table 2-2. The CalEEMod emissions outputs are presented in Appendix 2.1. The modeled emission sources for construction activity are illustrated on Exhibit 2-A. Consistent with SCAQMD's Localized Significance Threshold Methodology (6), DPM emissions from construction equipment were modeled using adjacent volume sources with a release height of 5 meters and an initial vertical dimension of 1.4 meters. On-road truck emissions were modeled as a line source (made up of multiple adjacent volume sources).

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

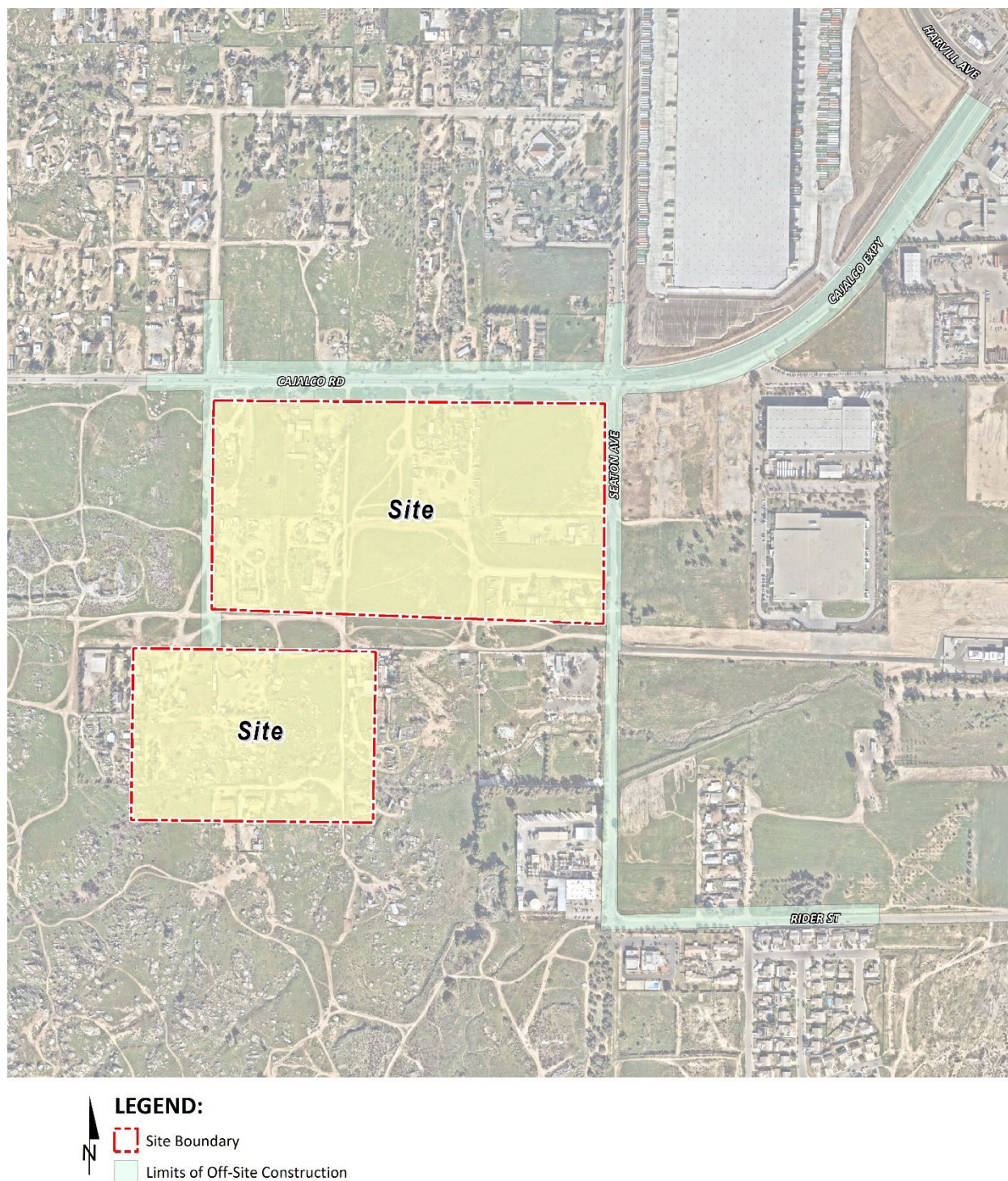
TABLE 2-1: CONSTRUCTION DURATION

| Construction Activity | Start Date | End Date | Working Days |
|-----------------------|------------|------------|--------------|
| Demolition | 9/2/2024 | 11/15/2024 | 55 |
| Site Preparation | 11/18/2024 | 12/17/2024 | 22 |
| Grading | 12/18/2024 | 3/14/2025 | 63 |
| Building Construction | 3/17/2025 | 12/12/2025 | 195 |
| Paving | 10/2/2025 | 10/22/2025 | 15 |
| Architectural Coating | 8/11/2025 | 12/12/2025 | 90 |

TABLE 2-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS

| Construction Activity | Equipment | Amount | Hours Per Day |
|-----------------------|---------------------------|--------|---------------|
| Demolition | Concrete/Industrial Saws | 1 | 8 |
| | Excavators | 3 | 8 |
| | Rubber Tired Dozers | 2 | 8 |
| Site Preparation | Rubber Tired Dozers | 3 | 8 |
| | Crawler Tractors | 4 | 8 |
| Grading | Excavators | 2 | 8 |
| | Graders | 2 | 8 |
| | Rubber Tired Dozers | 2 | 8 |
| | Scrapers | 5 | 8 |
| | Crawler Tractors | 3 | 8 |
| | Generator Sets | 1 | 8 |
| | Bore/Drill Rigs | 1 | 8 |
| | Crushing/Proc. Equipment | 1 | 8 |
| Building Construction | Cranes | 1 | 8 |
| | Forklifts | 4 | 8 |
| | Generator Sets | 3 | 8 |
| | Tractors/Loaders/Backhoes | 3 | 8 |
| | Welders | 3 | 8 |
| Paving | Pavers | 2 | 8 |
| | Paving Equipment | 2 | 8 |
| | Rollers | 2 | 8 |
| Architectural Coating | Air Compressors | 2 | 8 |

EXHIBIT 2-A: MODELED CONSTRUCTION EMISSION SOURCES



2.3 OPERATIONAL HEALTH RISK ASSESSMENT

2.3.1 ON-SITE AND OFF-SITE TRUCK ACTIVITY

Vehicle DPM emissions were calculated using emission factors for particulate matter less than 10 μ m in diameter (PM₁₀) 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 (7). 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 PM₁₀ 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 at building loading docks
- 5 miles per hour – on-site vehicle movement including driving and maneuvering
- 25 miles per hour – off-site vehicle movement including driving and maneuvering.

It is expected that minimal idling would occur at nearby intersections during truck travel on study area roadways (e.g., at an intersection during a red light, or yielding to make a turn). Notwithstanding, the analysis conservatively utilizes a reduced off-site average speed of 25 miles per hour (below the posted speed limit) for travel on study area roadways, use of a lower average speed for off-site travel results in a higher emission factor and therefore any negligible idling that would occur during truck travel along the study area is accounted for.

Calculated emission factors are shown at Table 2-3. As a conservative measure, a 2026 EMFAC 2021 run was conducted and a static 2026 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2026 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 2026. Additionally, based on EMFAC 2021, Light-Heavy-Duty Trucks are comprised of 59.8% diesel, Medium-Heavy-Duty Trucks are comprised of 91.9% diesel, and Heavy-Heavy-Duty Trucks are comprised of 94.9% diesel. Trucks fueled by diesel are

accounted for by these percentages accordingly in the emissions factor generation. Appendix 2.2 includes additional details on the emissions estimates from EMFAC.

The vehicle DPM exhaust emissions were calculated for running exhaust emissions. The running exhaust emissions were calculated by applying the running exhaust PM₁₀ 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 (8):

$$Emissions_{Speed A} = EF_{Run Exhaust} \times Distance \times \frac{Number of Trips per Day}{Seconds per Day}$$

Where:

| | | |
|-----------------------|---|--|
| $Emissions_{Speed A}$ | = | Vehicle emissions at a given speed A (g/s) |
| $EF_{Run Exhaust}$ | = | EMFAC running exhaust PM ₁₀ emission factor at speed A (g/vmt) |
| $Distance$ | = | Total distance traveled per trip (miles) |

Similar to off-site traffic, on-site vehicle running emissions were calculated by applying the running exhaust PM₁₀ 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 PM₁₀ 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 (8):

$$Emissions_{Idle} = EF_{Idle} \times Number of Trips \times Idling Time \times \frac{60 minutes per hour}{seconds per day}$$

Where:

| | | |
|--------------------|---|---|
| $Emissions_{Idle}$ | = | Vehicle emissions during Idling (g/s) |
| EF_{Idle} | = | EMFAC idle exhaust PM ₁₀ emission factor (g/s) |
| $Number of Trips$ | = | Number of trips per day |
| $Idling Time$ | = | Idling time (minutes per trip) |

TABLE 2-3: 2026 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

| Speed | Weighted Average |
|------------|---------------------|
| 0 (idling) | 0.07232 (g/idle-hr) |
| 5 | 0.01820 (g/s) |
| 25 | 0.00834 (g/s) |

Each roadway was modeled as a line source (made up of multiple adjacent volume sources). Due to the large number of volume sources modeled for this analysis, the corresponding coordinates

of each volume source have not been included in this report but are included in Appendix 2.3. The DPM emission rate for each volume source was calculated by multiplying the emission factor (based on the average travel speed along the roadway) by the number of trips and the distance traveled along each roadway segment and dividing the result by the number of volume sources along that roadway, as illustrated on Table 2-4. The modeled emission sources are illustrated on Exhibit 2-B for on-site sources and Exhibit 2-C for off-site sources. The modeling domain is limited to the Project's primary truck route and includes off-site sources in the study area for more than $\frac{3}{4}$ mile. This modeling domain is more inclusive and conservative than using only a $\frac{1}{4}$ mile modeling domain which is the distance supported by several reputable studies which conclude that the greatest potential risks occur within a $\frac{1}{4}$ mile of the primary source of emissions (9) (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 at building loading docks. 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 (10), 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. Idling emissions at building loading docks were modeled in AERMOD as line sources, which consist of multiple adjacent volume sources.

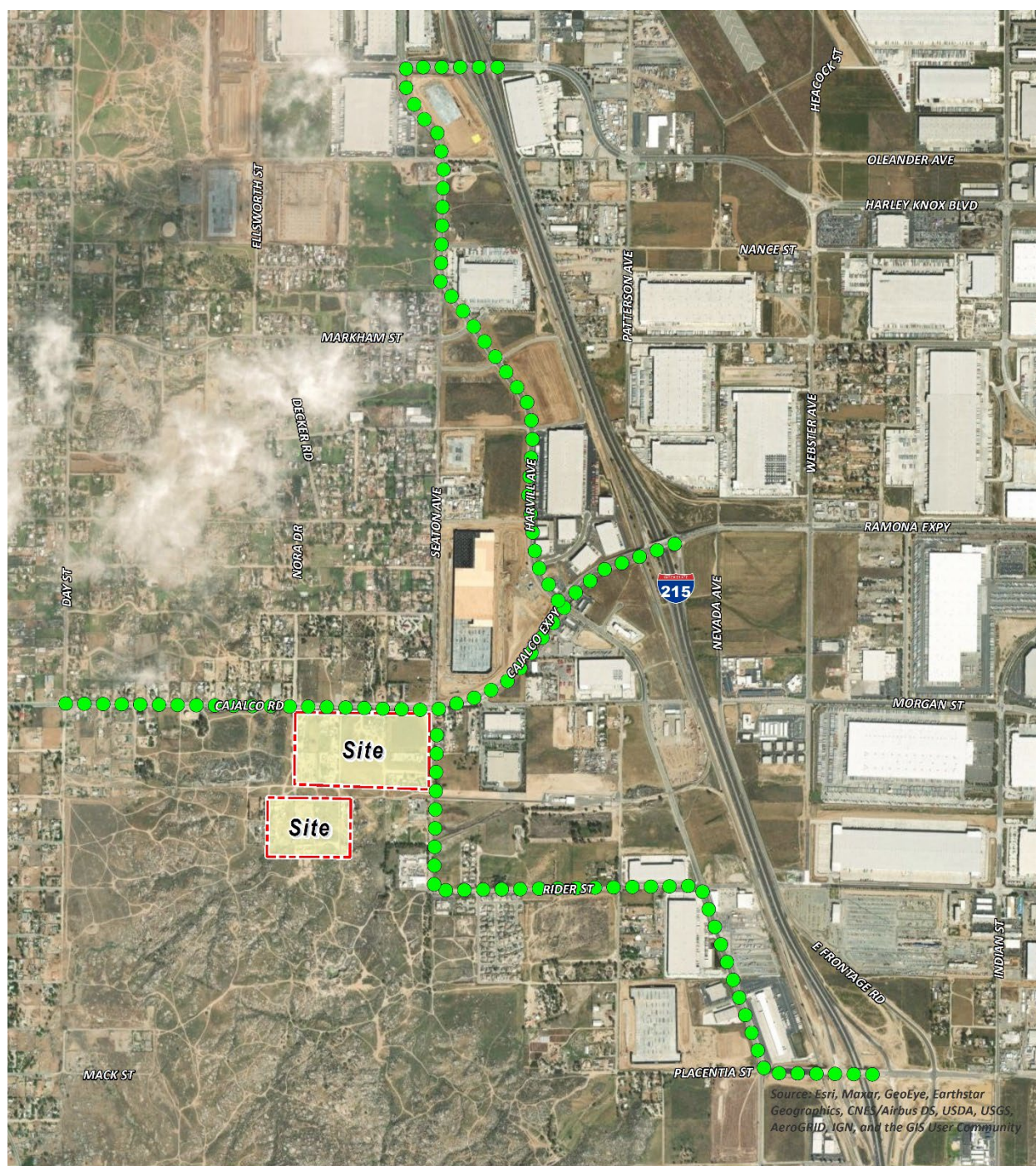
As summarized in the *Cajalco Commerce Center Traffic Impact Analysis* prepared by Urban Crossroads, Inc., the Project is expected to generate a total of approximately 2,886 actual vehicular trip-ends per day (1,443 vehicles inbound + 1,443 vehicles outbound) which includes 2,448 passenger vehicle trips (1,224 passenger vehicles inbound + 1,224 passenger vehicles outbound) and 438 two-way truck trips (219 trucks inbound per day + 219 trucks outbound) per day (4).

2.3.2 TRANSPORT REFRIGERATION UNITS (TRUs)

In order to account for the possibility of refrigerated uses, trucks associated with the cold-storage land use are assumed to also have TRUs. For modeling purposes, 57 two-way truck trips during have been estimated to include TRUs (e.g., all truck trips that would be associated with up to 50,000-sf of high-cube cold storage use, as summarized in the *Cajalco Commerce Center Traffic Impact Analysis* (4)). TRUs are accounted for during on-site and off-site travel. The TRU calculations are based on EMFAC2021. EMFAC2021 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 emission of each criteria pollutant by equipment type and the average daily hours of operations. The analysis

assumes that TRUs may operate at the Project site for up to 30 minutes per trip. Emissions from TRUs are included in the modeled line sources for idling and on-site and off-site truck travel.

EXHIBIT 2-C: MODELED OFF-SITE EMISSION SOURCES



LEGEND:

 Site Boundary ●●● Truck Movements

TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (2026 ANALYSIS YEAR)

| Truck Emission Rates | | | | | | | |
|---|----------------|---------------------------------|--|---|---|---|--------------------------------------|
| Source | Trucks Per Day | VMT ^a (miles/day) | Truck Emission Rate ^b (grams/mile) | Truck Emission Rate ^b (grams/idle-hour) | Daily Truck Emissions ^c (grams/day) | Daily TRU Emissions ^d (grams/day) | Modeled Emission Rates (g/second) |
| On-Site Idling North | 109 | | | 0.0723 | 1.98 | 0.55 | 2.923E-05 |
| On-Site Idling South | 109 | | | 0.0723 | 1.98 | 0.55 | 2.923E-05 |
| On-Site Travel | 438 | 375.74 | 0.0182 | | 6.84 | 0.75 | 8.781E-05 |
| Off-Site Travel - Seaton 75% | 328 | 70.24 | 0.0083 | | 0.59 | 0.03 | 7.102E-06 |
| Off-Site Travel - Cajalco 15% | 66 | 65.53 | 0.0083 | | 0.55 | 0.03 | 6.626E-06 |
| Off-Site Travel - Cajalco 60% | 263 | 123.19 | 0.0083 | | 1.03 | 0.05 | 1.250E-05 |
| Off-Site Travel - Cajalco 55% | 241 | 87.58 | 0.0083 | | 0.73 | 0.03 | 8.855E-06 |
| Off-Site Travel - Seaton 25% | 109 | 111.04 | 0.0083 | | 0.93 | 0.04 | 1.123E-05 |
| Off-Site Travel - Harvill 25% | 109 | 100.16 | 0.0083 | | 0.84 | 0.04 | 1.013E-05 |
| Off-Site Travel - Harvill 5% | 22 | 40.09 | 0.0083 | | 0.33 | 0.02 | 4.053E-06 |
| ^a Vehicle miles traveled are for modeled truck route only. ^b Emission rates determined using EMFAC 2021. Idle emission rates are expressed in grams per idle hour rather than grams per mile. ^c 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. ^d This column assumes that each TRU operates for 30 minutes during truck idling. | | | | | | | |

2.4 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (1). The Environmental Protection Agency's (U.S. EPA's) AERMOD model has been utilized. For purposes of this analysis, the Lakes AERMOD View (Version 11.2.0) was used to calculate annual average particulate concentrations associated with site operations. Lakes AERMOD View was utilized to incorporate the U.S. EPA's latest AERMOD Version 22112 (11).

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

Model parameters are presented in Table 2-5 (12). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Perris monitoring station was used to represent local weather conditions and prevailing winds (13).

TABLE 2-5: AERMOD MODEL PARAMETERS

| | |
|--------------------------------------|---|
| Dispersion Coefficient (Urban/Rural) | Urban (population 2,189,641) |
| Terrain (Flat/Elevated) | Elevated (Regulatory Default) |
| Averaging Time | 1 year (5-year Meteorological Data Set) |
| Receptor Height | 0 meters (Regulatory Default) |

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

Receptors may be placed at applicable structure locations for residential and worker property and not necessarily the boundaries of the properties containing these uses because the human receptors (residents and workers) spend a majority of their time at the residence or in the workplace's building, and not on the property line. It should be noted that the primary purpose of receptor placement is focused on long-term exposure. For example, the HRA evaluates the potential health risks to residents, workers, and school children over a period of 30, 25, or 9 years of exposure, respectively. Notwithstanding, as a conservative measure, receptors were placed at either the outdoor living area or the building façade, whichever is closer to the Project site.

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

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

All receptors were set to existing elevation height so that only ground-level concentrations are analyzed. United States Geological Survey (USGS) Digital Elevation Model (DEM) terrain data based on a 7.5-minute topographic quadrangle map series using AERMAP was utilized in the HRA modeling to set elevations (14).

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

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

| Age | Daily Breathing Rate (L/kg-day) | Age Specific Factor | Exposure Duration (years) | Fraction of Time at Home | Exposure Frequency (days/year) | Exposure Time (hours/day) |
|--------|---------------------------------|---------------------|---------------------------|--------------------------|--------------------------------|---------------------------|
| 0 to 2 | 1,090 | 10 | 1.28 | 1.00 | 250 | 8 |

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

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

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

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

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

| Age | Daily Breathing Rate (L/kg-day) | Age Specific Factor | Exposure Duration (years) | Exposure Frequency (days/year) ^a | Exposure Time (hours/day) |
|--|---------------------------------|---------------------|---------------------------|---|---------------------------|
| 4 to 13 | 631 | 3 | 9 | 180 | 12 |
| ^a To represent the unique characteristics of the school-based population, the assessment employed the U.S. Environmental Protection Agency's guidance to develop viable dose estimates based on reasonable maximum exposures (RME). RME's are defined as the "highest exposure that is reasonably expected to occur" for a given receptor population. As a result, lifetime risk values for the student population were adjusted to account for an exposure duration of 180 days per year for nine (9) years. The 9 year exposure duration is also consistent with OEHHA Recommendations and consistent with the exposure duration utilized in school-based risk assessments for various schools within the Los Angeles County Unified School District (LAUSD) that have been accepted by the SCAQMD. | | | | | |

2.5 CARCINOGENIC CHEMICAL RISK

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

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

$$DOSE_{AIR} = \left(C_{AIR} \times \frac{BR}{BW} \times A \times EF \right) \times (1 \times 10^{-6})$$

Where:

$$DOSE_{AIR} = \text{chronic daily intake (mg/kg/day)}$$

| | | |
|--------------------|---|--|
| C_{AIR} | = | concentration of contaminant in air ($\mu\text{g}/\text{m}^3$) |
| $\frac{BR}{BW}$ | = | daily breathing rate normalized to body weight (L/kg BW-day) |
| A | = | inhalation absorption factor |
| EF | = | exposure frequency (days/365 days) |
| BW | = | body weight (kg) |
| 1×10^{-6} | = | conversion factors (μg to mg , L to m^3) |

$$RISK_{AIR} = DOSE_{AIR} \times CPF \times ASF \times FAH \times \frac{ED}{AT}$$

Where:

| | | |
|--------------|---|---|
| $DOSE_{AIR}$ | = | chronic daily intake (mg/kg/day) |
| CPF | = | cancer potency factor |
| ED | = | number of years within particular age group |
| AT | = | averaging time |

2.6 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic reference exposure level (REL) for DPM was established by OEHHA as $5 \mu\text{g}/\text{m}^3$ (15).

Non-cancer health effects are expressed as a hazard index (HI), which is calculated using the following equation:

$$HI_{DPM} = \frac{C_{DPM}}{REL_{DPM}}$$

Where:

| | | |
|-------------|---|---|
| HI_{DPM} | = | Hazard index (unitless) |
| C_{DPM} | = | Annual average DPM concentration ($\mu\text{g}/\text{m}^3$) |
| REL_{DPM} | = | REL for DPM (the DPM concentration at which no adverse health effects are anticipated). |

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

CONSTRUCTION IMPACTS

The land use with the greatest potential exposure to Project construction-source DPM emissions is Location R4 which is located approximately 76 feet east of the Project site at an existing residence located at 22761 Cajalco Road. R4 is placed in 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 1.40 in one million, which is less than the SCAQMD 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. Location R4 is the nearest receptor to the Project site and would experience the highest concentrations of DPM during Project construction due to meteorological conditions at the site. Because all other modeled receptors would experience lower concentrations of DPM during Project construction, all other receptors in the vicinity of the Project 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 adjacent land uses as a result of Project construction activity. All other receptors during construction activity would experience less risk than what is identified for this location. The modeled receptors are illustrated on Exhibit 2-D.

OPERATIONAL IMPACTS

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R3 which is located approximately 167 feet south of the Project site at an existing residence located at 19701 Seaton Avenue. Since there are no private outdoor living areas (backyards) facing the Project site, R3 is placed at the building façade. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 1.95 in one million, which is less than the SCAQMD 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 R3 is not the nearest receptor to the Project site, it is the location that would experience the highest concentrations of DPM during project operation due to meteorological conditions at the site. All other receptors would experience lower concentrations of DPM and thus less risk during operation of the proposed Project than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project operational activity. All other receptors would experience less risk than what is identified for this location. The modeled receptors are illustrated on Exhibit 2-D.

Worker Exposure Scenario³:

3 SCAQMD guidance does not require assessment of the potential health risk to on-site workers. Excerpts from the document OEHHA Air Toxics Hot Spots Program Risk Assessment Guidelines—The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments (OEHHA 2003), also indicate that it is not necessary to examine the health effects to on-site workers unless required by RCRA

The worker receptor land use with the greatest potential exposure to Project operational -source DPM emissions is Location R6, which represents the potential worker receptor located approximately 786 feet east of the Project site. At the MEIW, the maximum incremental cancer risk impact is 0.07 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. Location R6 is the worker receptor that would experience the highest concentrations of DPM during Project operation due to meteorological conditions at the site. All other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby workers. The modeled receptors are illustrated on Exhibit 2-D.

School Child Exposure Scenario:

The nearest school is the Perris Seventh Day Adventist Church, located approximately 1,080 feet north of the Project site. At the MEISC, the maximum incremental cancer risk impact attributable to the Project is calculated to be 0.09 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. Because all other modeled school receptors would be exposed to lower concentrations of DPM, all other school receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEISC identified herein.

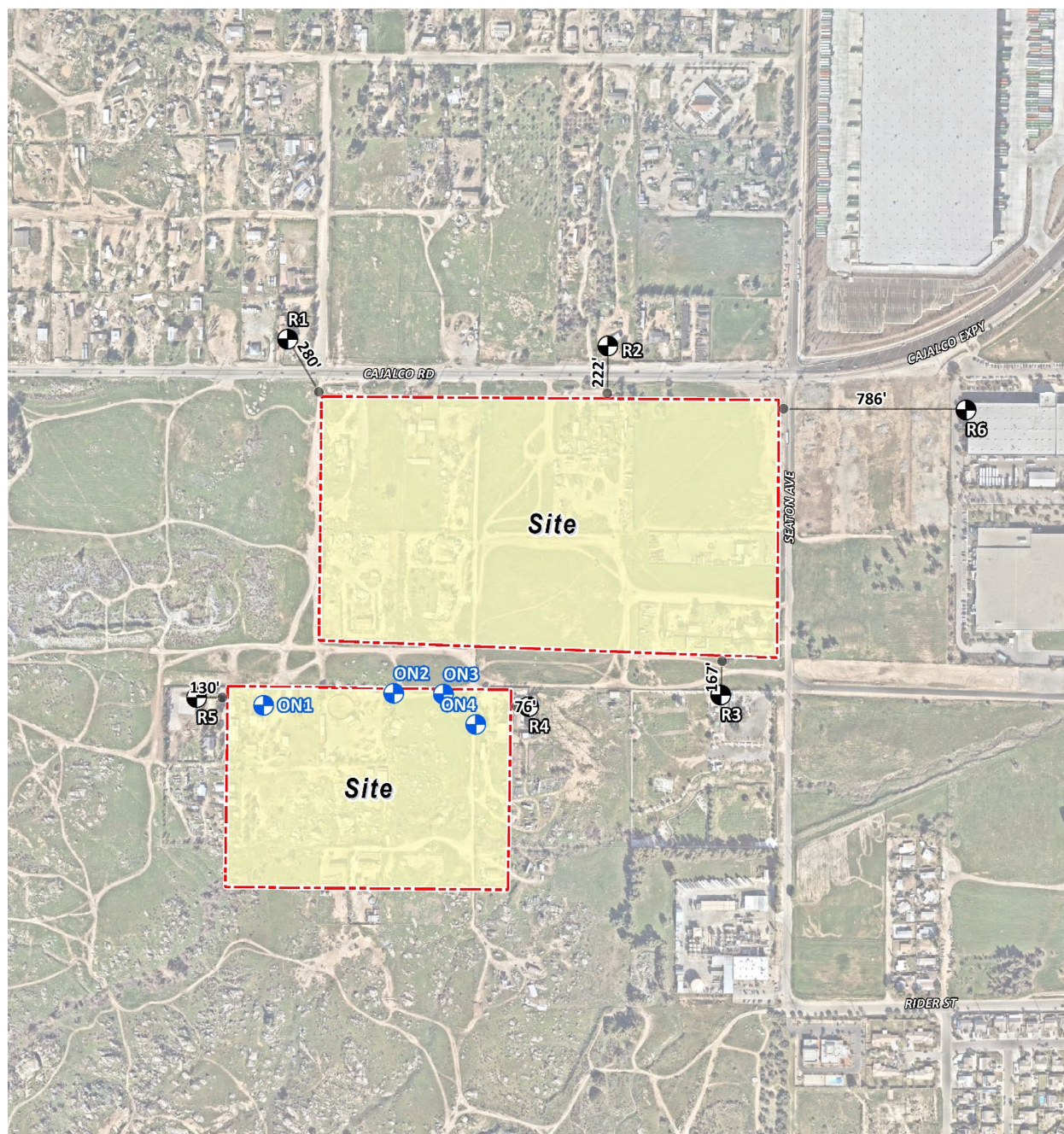
CONSTRUCTION AND OPERATIONAL IMPACTS

The land use with the greatest potential exposure to Project construction-source and operational-source DPM emissions is Location R4. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source and operational-source DPM emissions is estimated at 2.60 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 residences. The modeled receptors are illustrated on Exhibit 2-D.

It should be noted that the receptors presented in Exhibit 2-D do not represent all modeled receptors. Additionally, the potential risk to on-site receptors located on the park portion of the proposed Project (Locations ON1 through ON4) would be lesser than those shown for other receptors in the Project vicinity, as any potential exposures would be short-term in nature and would not exceed the pollutant concentrations modeled at nearby sensitive receptors surrounding the Project site.

(Resource Conservation and Recovery Act) / CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act) or the worker resides on-site.

EXHIBIT 2-D: RECEPTOR LOCATIONS



LEGEND:

Site Boundary

On-Site Receiver Location

Receptor Location

Distance from receptor to Project site boundary (in feet)

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3 REFERENCES

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4 CERTIFICATIONS

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

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

Bachelor of Arts in Environmental Analysis and Design
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PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Professionals
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
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APPENDIX 2.1:

CALEEMOD OUTPUTS

15091 - MVCC (Construction) Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

| Data Field | Value |
|-----------------------------|-----------------------------|
| Project Name | 15091 - MVCC (Construction) |
| Construction Start Date | 9/2/2024 |
| Lead Agency | — |
| Land Use Scale | Project/site |
| Analysis Level for Defaults | County |
| Windspeed (m/s) | 2.50 |
| Precipitation (days) | 9.00 |
| Location | 33.836642, -117.262866 |
| County | Riverside-South Coast |
| City | Unincorporated |
| Air District | South Coast AQMD |
| Air Basin | South Coast |
| TAZ | 5578 |
| EDFZ | 11 |
| Electric Utility | Southern California Edison |
| Gas Utility | Southern California Gas |
| App Version | 2022.1.1.20 |

1.2. Land Use Types

| Land Use Subtype | Size | Unit | Lot Acreage | Building Area (sq ft) | Landscape Area (sq ft) | Special Landscape Area (sq ft) | Population | Description |
|----------------------------------|------|----------|-------------|-----------------------|------------------------|--------------------------------|------------|-----------------------|
| Unrefrigerated Warehouse-No Rail | 853 | 1000sqft | 19.6 | 852,984 | 290,915 | — | — | High-Cube Fulfillment |

| | | | | | | | | |
|--------------------------------|------|----------|------|---------|------|------|---|------------------------|
| Refrigerated Warehouse-No Rail | 151 | 1000sqft | 3.46 | 150,526 | 0.00 | — | — | High-Cube Cold Storage |
| City Park | 13.3 | Acre | 13.3 | 0.00 | 0.00 | 0.00 | — | Park |
| Parking Lot | 606 | Space | 3.79 | 0.00 | 0.00 | — | — | — |
| Other Asphalt Surfaces | 24.8 | Acre | 24.8 | 0.00 | 0.00 | — | — | — |

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.1. Construction Emissions Compared Against Thresholds

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

| Un/Mit. | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|------|--------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 3.57 | 57.4 | 21.8 | 62.4 | 0.06 | 0.57 | 7.42 | 8.00 | 0.54 | 1.77 | 2.31 | — | 13,796 | 13,796 | 0.51 | 0.72 | 34.4 | 14,059 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 3.60 | 62.6 | 61.0 | 88.0 | 0.24 | 0.73 | 9.96 | 10.7 | 0.69 | 3.20 | 3.89 | — | 30,886 | 30,886 | 0.92 | 2.55 | 0.91 | 31,670 |
| Average Daily (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 1.97 | 15.4 | 20.0 | 39.9 | 0.07 | 0.36 | 5.06 | 5.42 | 0.34 | 1.33 | 1.67 | — | 11,135 | 11,135 | 0.40 | 0.73 | 9.52 | 11,370 |
| Annual (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Unmit. | 0.36 | 2.80 | 3.64 | 7.28 | 0.01 | 0.07 | 0.92 | 0.99 | 0.06 | 0.24 | 0.30 | — | 1,843 | 1,843 | 0.07 | 0.12 | 1.58 | 1,882 |

2.2. Construction Emissions by Year, Unmitigated

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

| Year | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|----------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|------|--------|
| Daily - Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 0.71 | 0.68 | 13.7 | 19.9 | 0.04 | 0.40 | 1.39 | 1.78 | 0.37 | 0.28 | 0.65 | — | 5,123 | 5,123 | 0.18 | 0.26 | 4.58 | 5,211 |
| 2025 | 3.57 | 57.4 | 21.8 | 62.4 | 0.06 | 0.57 | 7.42 | 8.00 | 0.54 | 1.77 | 2.31 | — | 13,796 | 13,796 | 0.51 | 0.72 | 34.4 | 14,059 |
| Daily - Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 2.73 | 2.34 | 61.0 | 88.0 | 0.24 | 0.70 | 9.96 | 10.7 | 0.69 | 3.20 | 3.89 | — | 30,886 | 30,886 | 0.92 | 2.55 | 0.90 | 31,670 |
| 2025 | 3.60 | 62.6 | 60.4 | 87.7 | 0.24 | 0.73 | 9.96 | 10.7 | 0.69 | 3.20 | 3.89 | — | 30,635 | 30,635 | 0.92 | 2.46 | 0.91 | 31,392 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 0.23 | 0.21 | 4.68 | 7.16 | 0.02 | 0.09 | 0.84 | 0.93 | 0.08 | 0.30 | 0.38 | — | 1,970 | 1,970 | 0.07 | 0.12 | 0.76 | 2,007 |
| 2025 | 1.97 | 15.4 | 20.0 | 39.9 | 0.07 | 0.36 | 5.06 | 5.42 | 0.34 | 1.33 | 1.67 | — | 11,135 | 11,135 | 0.40 | 0.73 | 9.52 | 11,370 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 2024 | 0.04 | 0.04 | 0.85 | 1.31 | < 0.005 | 0.02 | 0.15 | 0.17 | 0.01 | 0.05 | 0.07 | — | 326 | 326 | 0.01 | 0.02 | 0.13 | 332 |
| 2025 | 0.36 | 2.80 | 3.64 | 7.28 | 0.01 | 0.07 | 0.92 | 0.99 | 0.06 | 0.24 | 0.30 | — | 1,843 | 1,843 | 0.07 | 0.12 | 1.58 | 1,882 |

3. Construction Emissions Details

3.1. Demolition (2024) - Unmitigated

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

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

| | | | | | | | | | | | | | | | | | | |
|---------------------|------|------|------|------|---------|------|------|------|------|---------|---------|---|-------|-------|---------|---------|------|-------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.56 | 0.56 | 12.0 | 18.2 | 0.03 | 0.37 | — | 0.37 | 0.35 | — | 0.35 | — | 3,425 | 3,425 | 0.14 | 0.03 | — | 3,437 |
| Demolition | — | — | — | — | — | — | 0.79 | 0.79 | — | 0.12 | 0.12 | — | — | — | — | — | — | — |
| 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 | 0.56 | 0.56 | 12.0 | 18.2 | 0.03 | 0.37 | — | 0.37 | 0.35 | — | 0.35 | — | 3,425 | 3,425 | 0.14 | 0.03 | — | 3,437 |
| Demolition | — | — | — | — | — | — | 0.79 | 0.79 | — | 0.12 | 0.12 | — | — | — | — | — | — | — |
| 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 | 0.08 | 0.08 | 1.81 | 2.74 | < 0.005 | 0.06 | — | 0.06 | 0.05 | — | 0.05 | — | 516 | 516 | 0.02 | < 0.005 | — | 518 |
| Demolition | — | — | — | — | — | — | 0.12 | 0.12 | — | 0.02 | 0.02 | — | — | — | — | — | — | — |
| 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 | 0.33 | 0.50 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 85.5 | 85.5 | < 0.005 | < 0.005 | — | 85.7 |
| Demolition | — | — | — | — | — | — | 0.02 | 0.02 | — | < 0.005 | < 0.005 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|------|------|
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.08 | 0.07 | 1.25 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 216 | 216 | 0.01 | 0.01 | 0.86 | 219 |
| Vendor | 0.04 | 0.02 | 0.95 | 0.30 | 0.01 | 0.01 | 0.23 | 0.24 | 0.01 | 0.06 | 0.08 | — | 838 | 838 | 0.02 | 0.13 | 2.36 | 879 |
| Hauling | 0.03 | 0.01 | 0.73 | 0.18 | < 0.005 | 0.01 | 0.17 | 0.18 | 0.01 | 0.05 | 0.06 | — | 643 | 643 | 0.01 | 0.10 | 1.36 | 676 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.08 | 0.07 | 0.09 | 0.95 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 198 | 198 | 0.01 | 0.01 | 0.02 | 201 |
| Vendor | 0.04 | 0.02 | 0.99 | 0.30 | 0.01 | 0.01 | 0.23 | 0.24 | 0.01 | 0.06 | 0.08 | — | 839 | 839 | 0.02 | 0.13 | 0.06 | 877 |
| Hauling | 0.03 | 0.01 | 0.76 | 0.18 | < 0.005 | 0.01 | 0.17 | 0.18 | 0.01 | 0.05 | 0.06 | — | 643 | 643 | 0.01 | 0.10 | 0.04 | 675 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.15 | 0.00 | 0.00 | 0.03 | 0.03 | 0.00 | 0.01 | 0.01 | — | 30.3 | 30.3 | < 0.005 | < 0.005 | 0.06 | 30.7 |
| Vendor | 0.01 | < 0.005 | 0.15 | 0.05 | < 0.005 | < 0.005 | 0.03 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 126 | 126 | < 0.005 | 0.02 | 0.15 | 132 |
| Hauling | < 0.005 | < 0.005 | 0.11 | 0.03 | < 0.005 | < 0.005 | 0.02 | 0.03 | < 0.005 | 0.01 | 0.01 | — | 96.9 | 96.9 | < 0.005 | 0.02 | 0.09 | 102 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.03 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 5.01 | 5.01 | < 0.005 | < 0.005 | 0.01 | 5.08 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 20.9 | 20.9 | < 0.005 | < 0.005 | 0.03 | 21.9 |
| Hauling | < 0.005 | < 0.005 | 0.02 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 16.0 | 16.0 | < 0.005 | < 0.005 | 0.01 | 16.8 |

3.3. Site Preparation (2024) - Unmitigated

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

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

| | | | | | | | | | | | | | | | | | | |
|-----------------------------|------|------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.64 | 0.64 | 14.7 | 28.3 | 0.05 | 0.10 | — | 0.10 | 0.10 | — | 0.10 | — | 5,293 | 5,293 | 0.21 | 0.04 | — | 5,311 |
| Dust From Material Movement | — | — | — | — | — | — | 5.66 | 5.66 | — | 2.69 | 2.69 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.04 | 0.04 | 0.89 | 1.71 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 319 | 319 | 0.01 | < 0.005 | — | 320 |
| Dust From Material Movement | — | — | — | — | — | — | 0.34 | 0.34 | — | 0.16 | 0.16 | — | — | — | — | — | — | — |
| 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 | 0.16 | 0.31 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 52.8 | 52.8 | < 0.005 | < 0.005 | — | 53.0 |
| Dust From Material Movement | — | — | — | — | — | — | 0.06 | 0.06 | — | 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) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

| | | | | | | | | | | | | | | | | | | |
|---------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.09 | 0.08 | 0.10 | 1.10 | 0.00 | 0.00 | 0.23 | 0.23 | 0.00 | 0.05 | 0.05 | — | 231 | 231 | 0.01 | 0.01 | 0.03 | 234 |
| Vendor | 0.01 | 0.01 | 0.41 | 0.12 | < 0.005 | < 0.005 | 0.09 | 0.10 | < 0.005 | 0.03 | 0.03 | — | 342 | 342 | 0.01 | 0.05 | 0.02 | 357 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.07 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 14.1 | 14.1 | < 0.005 | < 0.005 | 0.03 | 14.3 |
| Vendor | < 0.005 | < 0.005 | 0.02 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 20.6 | 20.6 | < 0.005 | < 0.005 | 0.02 | 21.5 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.34 | 2.34 | < 0.005 | < 0.005 | < 0.005 | 2.37 |
| Vendor | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 3.41 | 3.41 | < 0.005 | < 0.005 | < 0.005 | 3.57 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.5. Grading (2024) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|---|--------|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.90 | 1.90 | 43.1 | 81.1 | 0.14 | 0.42 | — | 0.42 | 0.41 | — | 0.41 | — | 15,346 | 15,346 | 0.62 | 0.12 | — | 15,398 |

| | | | | | | | | | | | | | | | | | | |
|-----------------------------|------|------|------|------|---------|---------|------|---------|---------|------|---------|---|--------|--------|---------|---------|------|--------|
| Dust From Material Movement | — | — | — | — | — | — | 5.52 | 5.52 | — | 1.98 | 1.98 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.05 | 1.18 | 2.22 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 420 | 420 | 0.02 | < 0.005 | — | 422 |
| Dust From Material Movement | — | — | — | — | — | — | 0.15 | 0.15 | — | 0.05 | 0.05 | — | — | — | — | — | — | — |
| 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 | 0.22 | 0.41 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 69.6 | 69.6 | < 0.005 | < 0.005 | — | 69.8 |
| Dust From Material Movement | — | — | — | — | — | — | 0.03 | 0.03 | — | 0.01 | 0.01 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.23 | 0.20 | 0.24 | 2.68 | 0.00 | 0.00 | 0.56 | 0.56 | 0.00 | 0.13 | 0.13 | — | 562 | 562 | 0.03 | 0.02 | 0.06 | 569 |
| Vendor | 0.04 | 0.03 | 1.14 | 0.35 | 0.01 | 0.01 | 0.27 | 0.28 | 0.01 | 0.07 | 0.09 | — | 963 | 963 | 0.02 | 0.14 | 0.07 | 1,007 |
| Hauling | 0.56 | 0.21 | 16.5 | 3.88 | 0.09 | 0.26 | 3.62 | 3.88 | 0.26 | 1.02 | 1.28 | — | 14,015 | 14,015 | 0.25 | 2.26 | 0.77 | 14,695 |

| | | | | | | | | | | | | | | | | | | |
|---------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---|------|------|---------|---------|---------|------|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | 0.01 | 0.01 | 0.08 | 0.00 | 0.00 | 0.02 | 0.02 | 0.00 | < 0.005 | < 0.005 | — | 15.6 | 15.6 | < 0.005 | < 0.005 | 0.03 | 15.8 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 26.4 | 26.4 | < 0.005 | < 0.005 | 0.03 | 27.6 |
| Hauling | 0.02 | 0.01 | 0.45 | 0.11 | < 0.005 | 0.01 | 0.10 | 0.11 | 0.01 | 0.03 | 0.03 | — | 384 | 384 | 0.01 | 0.06 | 0.35 | 403 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 2.58 | 2.58 | < 0.005 | < 0.005 | < 0.005 | 2.62 |
| Vendor | < 0.005 | < 0.005 | 0.01 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | — | 4.37 | 4.37 | < 0.005 | < 0.005 | 0.01 | 4.57 |
| Hauling | < 0.005 | < 0.005 | 0.08 | 0.02 | < 0.005 | < 0.005 | 0.02 | 0.02 | < 0.005 | 0.01 | 0.01 | — | 63.6 | 63.6 | < 0.005 | 0.01 | 0.06 | 66.7 |

3.7. Grading (2025) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|-----------------------------|------|------|------|------|------|-------|-------|-------|--------|--------|--------|------|--------|--------|------|------|------|--------|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 1.90 | 1.90 | 43.1 | 81.1 | 0.14 | 0.42 | — | 0.42 | 0.41 | — | 0.41 | — | 15,345 | 15,345 | 0.62 | 0.12 | — | 15,398 |
| Dust From Material Movement | — | — | — | — | — | — | 5.52 | 5.52 | — | 1.98 | 1.98 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.27 | 0.27 | 6.16 | 11.6 | 0.02 | 0.06 | — | 0.06 | 0.06 | — | 0.06 | — | 2,192 | 2,192 | 0.09 | 0.02 | — | 2,200 |

| | | | | | | | | | | | | | | | | | | |
|------------------------------|---------|---------|------|------|---------|---------|------|------|---------|---------|---------|---|--------|--------|---------|---------|------|--------|
| Dust From Material Movement: | — | — | — | — | — | — | 0.79 | 0.79 | — | 0.28 | 0.28 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.05 | 0.05 | 1.12 | 2.11 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 363 | 363 | 0.01 | < 0.005 | — | 364 |
| Dust From Material Movement: | — | — | — | — | — | — | 0.14 | 0.14 | — | 0.05 | 0.05 | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.20 | 0.18 | 0.21 | 2.48 | 0.00 | 0.00 | 0.56 | 0.56 | 0.00 | 0.13 | 0.13 | — | 551 | 551 | 0.03 | 0.02 | 0.06 | 558 |
| Vendor | 0.04 | 0.02 | 1.09 | 0.33 | 0.01 | 0.01 | 0.27 | 0.28 | 0.01 | 0.07 | 0.09 | — | 949 | 949 | 0.02 | 0.14 | 0.07 | 993 |
| Hauling | 0.56 | 0.21 | 16.0 | 3.80 | 0.09 | 0.26 | 3.62 | 3.88 | 0.26 | 1.02 | 1.28 | — | 13,790 | 13,790 | 0.26 | 2.17 | 0.76 | 14,444 |
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.03 | 0.03 | 0.03 | 0.37 | 0.00 | 0.00 | 0.08 | 0.08 | 0.00 | 0.02 | 0.02 | — | 79.7 | 79.7 | < 0.005 | < 0.005 | 0.14 | 80.8 |
| Vendor | 0.01 | < 0.005 | 0.16 | 0.05 | < 0.005 | < 0.005 | 0.04 | 0.04 | < 0.005 | 0.01 | 0.01 | — | 136 | 136 | < 0.005 | 0.02 | 0.17 | 142 |
| Hauling | 0.08 | 0.03 | 2.31 | 0.54 | 0.01 | 0.04 | 0.51 | 0.55 | 0.04 | 0.14 | 0.18 | — | 1,969 | 1,969 | 0.04 | 0.31 | 1.80 | 2,064 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.01 | < 0.005 | 0.01 | 0.07 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 13.2 | 13.2 | < 0.005 | < 0.005 | 0.02 | 13.4 |
| Vendor | < 0.005 | < 0.005 | 0.03 | 0.01 | < 0.005 | < 0.005 | 0.01 | 0.01 | < 0.005 | < 0.005 | < 0.005 | — | 22.4 | 22.4 | < 0.005 | < 0.005 | 0.03 | 23.5 |

| | | | | | | | | | | | | | | | | | | |
|---------|------|------|------|------|---------|------|------|------|------|------|------|---|-----|-----|------|------|------|-----|
| Hauling | 0.01 | 0.01 | 0.42 | 0.10 | < 0.005 | 0.01 | 0.09 | 0.10 | 0.01 | 0.03 | 0.03 | — | 326 | 326 | 0.01 | 0.05 | 0.30 | 342 |
|---------|------|------|------|------|---------|------|------|------|------|------|------|---|-----|-----|------|------|------|-----|

3.9. Building Construction (2025) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|---------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|-------|------|---------|------|-------|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.58 | 0.58 | 13.5 | 19.7 | 0.04 | 0.35 | — | 0.35 | 0.33 | — | 0.33 | — | 3,405 | 3,405 | 0.14 | 0.03 | — | 3,417 |
| 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 | 0.58 | 0.58 | 13.5 | 19.7 | 0.04 | 0.35 | — | 0.35 | 0.33 | — | 0.33 | — | 3,405 | 3,405 | 0.14 | 0.03 | — | 3,417 |
| 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 | 0.31 | 0.31 | 7.22 | 10.5 | 0.02 | 0.19 | — | 0.19 | 0.18 | — | 0.18 | — | 1,819 | 1,819 | 0.07 | 0.01 | — | 1,826 |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.06 | 0.06 | 1.32 | 1.92 | < 0.005 | 0.03 | — | 0.03 | 0.03 | — | 0.03 | — | 301 | 301 | 0.01 | < 0.005 | — | 302 |
| 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 | 2.27 | 1.89 | 1.84 | 32.5 | 0.00 | 0.00 | 5.51 | 5.51 | 0.00 | 1.29 | 1.29 | — | 5,940 | 5,940 | 0.25 | 0.21 | 21.8 | 6,030 |
| Vendor | 0.13 | 0.06 | 3.19 | 0.99 | 0.02 | 0.04 | 0.81 | 0.86 | 0.04 | 0.22 | 0.27 | — | 2,906 | 2,906 | 0.06 | 0.44 | 8.25 | 3,048 |
| 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 | 1.99 | 1.77 | 2.03 | 24.6 | 0.00 | 0.00 | 5.51 | 5.51 | 0.00 | 1.29 | 1.29 | — | 5,461 | 5,461 | 0.26 | 0.21 | 0.57 | 5,530 |
| Vendor | 0.13 | 0.06 | 3.34 | 1.02 | 0.02 | 0.04 | 0.81 | 0.86 | 0.04 | 0.22 | 0.27 | — | 2,908 | 2,908 | 0.06 | 0.44 | 0.21 | 3,042 |
| 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 | 0.94 | 1.18 | 13.9 | 0.00 | 0.00 | 2.93 | 2.93 | 0.00 | 0.69 | 0.69 | — | 2,955 | 2,955 | 0.14 | 0.11 | 5.03 | 2,996 |
| Vendor | 0.07 | 0.03 | 1.78 | 0.54 | 0.01 | 0.02 | 0.43 | 0.45 | 0.02 | 0.12 | 0.14 | — | 1,553 | 1,553 | 0.03 | 0.24 | 1.91 | 1,626 |
| 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 | 0.22 | 2.53 | 0.00 | 0.00 | 0.53 | 0.53 | 0.00 | 0.13 | 0.13 | — | 489 | 489 | 0.02 | 0.02 | 0.83 | 496 |
| Vendor | 0.01 | 0.01 | 0.33 | 0.10 | < 0.005 | < 0.005 | 0.08 | 0.08 | < 0.005 | 0.02 | 0.03 | — | 257 | 257 | 0.01 | 0.04 | 0.32 | 269 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.11. Paving (2025) - Unmitigated

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

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

| | | | | | | | | | | | | | | | | | | |
|---------------------|---------|---------|------|------|---------|---------|------|---------|---------|------|---------|---|-------|-------|---------|---------|------|-------|
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.29 | 0.29 | 7.24 | 10.6 | 0.01 | 0.16 | — | 0.16 | 0.15 | — | 0.15 | — | 1,511 | 1,511 | 0.06 | 0.01 | — | 1,517 |
| Paving | — | 4.99 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.01 | 0.01 | 0.30 | 0.44 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 62.1 | 62.1 | < 0.005 | < 0.005 | — | 62.3 |
| Paving | — | 0.21 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | < 0.005 | < 0.005 | 0.05 | 0.08 | < 0.005 | < 0.005 | — | < 0.005 | < 0.005 | — | < 0.005 | — | 10.3 | 10.3 | < 0.005 | < 0.005 | — | 10.3 |
| Paving | — | 0.04 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Offsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.07 | 0.06 | 0.07 | 0.88 | 0.00 | 0.00 | 0.20 | 0.20 | 0.00 | 0.05 | 0.05 | — | 194 | 194 | 0.01 | 0.01 | 0.02 | 197 |
| 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 | < 0.005 | < 0.005 | < 0.005 | 0.04 | 0.00 | 0.00 | 0.01 | 0.01 | 0.00 | < 0.005 | < 0.005 | — | 8.09 | 8.09 | < 0.005 | < 0.005 | 0.01 | 8.20 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | < 0.005 | < 0.005 | < 0.005 | 0.01 | 0.00 | 0.00 | < 0.005 | < 0.005 | 0.00 | < 0.005 | < 0.005 | — | 1.34 | 1.34 | < 0.005 | < 0.005 | < 0.005 | 1.36 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

3.13. Architectural Coating (2025) - Unmitigated

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

| Location | TOG | ROG | NOx | CO | SO2 | PM10E | PM10D | PM10T | PM2.5E | PM2.5D | PM2.5T | BCO2 | NBCO2 | CO2T | CH4 | N2O | R | CO2e |
|-------------------------------|------|------|------|------|---------|-------|-------|-------|--------|--------|--------|------|-------|------|------|---------|------|------|
| Onsite | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Daily, Summer (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.14 | 0.14 | 2.90 | 2.57 | < 0.005 | 0.18 | — | 0.18 | 0.16 | — | 0.16 | — | 356 | 356 | 0.01 | < 0.005 | — | 357 |
| Architect ural Coatings | — | 54.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.14 | 0.14 | 2.90 | 2.57 | < 0.005 | 0.18 | — | 0.18 | 0.16 | — | 0.16 | — | 356 | 356 | 0.01 | < 0.005 | — | 357 |
| Architect ural Coatings | — | 54.3 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| | | | | | | | | | | | | | | | | | | |
|-------------------------|------|------|------|------|---------|------|------|------|------|------|------|---|-------|-------|---------|---------|------|-------|
| Average Daily | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.03 | 0.03 | 0.72 | 0.63 | < 0.005 | 0.04 | — | 0.04 | 0.04 | — | 0.04 | — | 87.8 | 87.8 | < 0.005 | < 0.005 | — | 88.1 |
| Architect ural Coatings | — | 13.4 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Onsite truck | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Off-Road Equipment | 0.01 | 0.01 | 0.13 | 0.12 | < 0.005 | 0.01 | — | 0.01 | 0.01 | — | 0.01 | — | 14.5 | 14.5 | < 0.005 | < 0.005 | — | 14.6 |
| Architect ural Coatings | — | 2.45 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| 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 | 0.45 | 0.38 | 0.37 | 6.51 | 0.00 | 0.00 | 1.10 | 1.10 | 0.00 | 0.26 | 0.26 | — | 1,188 | 1,188 | 0.05 | 0.04 | 4.37 | 1,206 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Daily, Winter (Max) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Worker | 0.40 | 0.35 | 0.41 | 4.92 | 0.00 | 0.00 | 1.10 | 1.10 | 0.00 | 0.26 | 0.26 | — | 1,092 | 1,092 | 0.05 | 0.04 | 0.11 | 1,106 |
| 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 | 0.10 | 0.09 | 0.11 | 1.28 | 0.00 | 0.00 | 0.27 | 0.27 | 0.00 | 0.06 | 0.06 | — | 273 | 273 | 0.01 | 0.01 | 0.46 | 277 |

| | | | | | | | | | | | | | | | | | | |
|---------|------|------|------|------|------|------|------|------|------|------|------|---|------|------|---------|---------|------|------|
| 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 | 0.02 | 0.02 | 0.02 | 0.23 | 0.00 | 0.00 | 0.05 | 0.05 | 0.00 | 0.01 | 0.01 | — | 45.2 | 45.2 | < 0.005 | < 0.005 | 0.08 | 45.8 |
| Vendor | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Hauling | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | — | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

| | | | | | | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Annual | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Avoided | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Sequestered | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Removed | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Subtotal | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

5. Activity Data

5.1. Construction Schedule

| Phase Name | Phase Type | Start Date | End Date | Days Per Week | Work Days per Phase | Phase Description |
|-----------------------|-----------------------|------------|------------|---------------|---------------------|-------------------|
| Demolition | Demolition | 9/2/2024 | 11/15/2024 | 5.00 | 55.0 | 70 |
| Site Preparation | Site Preparation | 11/18/2024 | 12/17/2024 | 5.00 | 22.0 | 40 |
| Grading | Grading | 12/18/2024 | 3/14/2025 | 5.00 | 63.0 | 110 |
| Building Construction | Building Construction | 3/17/2025 | 12/12/2025 | 5.00 | 195 | 1110 |

| | | | | | | |
|-----------------------|-----------------------|-----------|------------|------|------|----|
| Paving | Paving | 10/2/2025 | 10/22/2025 | 5.00 | 15.0 | 75 |
| Architectural Coating | Architectural Coating | 8/11/2025 | 12/12/2025 | 5.00 | 90.0 | 75 |

5.2. Off-Road Equipment

5.2.1. Unmitigated

| Phase Name | Equipment Type | Fuel Type | Engine Tier | Number per Day | Hours Per Day | Horsepower | Load Factor |
|-----------------------|---------------------------|-----------|----------------|----------------|---------------|------------|-------------|
| Demolition | Concrete/Industrial Saws | Diesel | Tier 3 | 1.00 | 8.00 | 33.0 | 0.73 |
| Demolition | Excavators | Diesel | Tier 3 | 3.00 | 8.00 | 36.0 | 0.38 |
| Demolition | Rubber Tired Dozers | Diesel | Tier 4 Interim | 2.00 | 8.00 | 367 | 0.40 |
| Site Preparation | Rubber Tired Dozers | Diesel | Tier 4 Interim | 3.00 | 8.00 | 367 | 0.40 |
| Site Preparation | Crawler Tractors | Diesel | Tier 4 Interim | 4.00 | 8.00 | 84.0 | 0.37 |
| Grading | Excavators | Diesel | Tier 3 | 2.00 | 8.00 | 36.0 | 0.38 |
| Grading | Graders | Diesel | Tier 4 Interim | 2.00 | 8.00 | 148 | 0.41 |
| Grading | Rubber Tired Dozers | Diesel | Tier 4 Interim | 2.00 | 8.00 | 367 | 0.40 |
| Grading | Scrapers | Diesel | Tier 4 Interim | 5.00 | 8.00 | 423 | 0.48 |
| Grading | Crawler Tractors | Diesel | Tier 4 Interim | 3.00 | 8.00 | 84.0 | 0.37 |
| Grading | Generator Sets | Diesel | Tier 3 | 1.00 | 8.00 | 14.0 | 0.74 |
| Grading | Bore/Drill Rigs | Diesel | Tier 4 Interim | 1.00 | 8.00 | 155 | 0.50 |
| Grading | Crushing/Proc. Equipment | Electric | Average | 1.00 | 8.00 | 12.0 | 0.85 |
| Building Construction | Cranes | Diesel | Tier 4 Interim | 1.00 | 8.00 | 367 | 0.29 |
| Building Construction | Forklifts | Diesel | Tier 4 Interim | 4.00 | 8.00 | 82.0 | 0.20 |
| Building Construction | Generator Sets | Diesel | Tier 3 | 3.00 | 8.00 | 14.0 | 0.74 |
| Building Construction | Tractors/Loaders/Backhoes | Diesel | Tier 4 Interim | 3.00 | 8.00 | 84.0 | 0.37 |
| Building Construction | Welders | Diesel | Tier 3 | 3.00 | 8.00 | 46.0 | 0.45 |

| | | | | | | | |
|-----------------------|------------------|--------|----------------|------|------|------|------|
| Paving | Pavers | Diesel | Tier 4 Interim | 2.00 | 8.00 | 81.0 | 0.42 |
| Paving | Paving Equipment | Diesel | Tier 4 Interim | 2.00 | 8.00 | 89.0 | 0.36 |
| Paving | Rollers | Diesel | Tier 3 | 2.00 | 8.00 | 36.0 | 0.38 |
| Architectural Coating | Air Compressors | Diesel | Tier 3 | 2.00 | 8.00 | 37.0 | 0.48 |

5.3. Construction Vehicles

5.3.1. Unmitigated

| Phase Name | Trip Type | One-Way Trips per Day | Miles per Trip | Vehicle Mix |
|-----------------------|--------------|-----------------------|----------------|---------------|
| Demolition | — | — | — | — |
| Demolition | Worker | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Demolition | Vendor | 27.0 | 10.2 | HHDT,MHDT |
| Demolition | Hauling | 9.18 | 20.0 | HHDT |
| Demolition | Onsite truck | — | — | HHDT |
| Site Preparation | — | — | — | — |
| Site Preparation | Worker | 17.5 | 18.5 | LDA,LDT1,LDT2 |
| Site Preparation | Vendor | 11.0 | 10.2 | HHDT,MHDT |
| Site Preparation | Hauling | 0.00 | 20.0 | HHDT |
| Site Preparation | Onsite truck | — | — | HHDT |
| Grading | — | — | — | — |
| Grading | Worker | 42.5 | 18.5 | LDA,LDT1,LDT2 |
| Grading | Vendor | 31.0 | 10.2 | HHDT,MHDT |
| Grading | Hauling | 200 | 20.0 | HHDT |
| Grading | Onsite truck | — | — | HHDT |
| Building Construction | — | — | — | — |
| Building Construction | Worker | 421 | 18.5 | LDA,LDT1,LDT2 |
| Building Construction | Vendor | 95.0 | 10.2 | HHDT,MHDT |

| | | | | |
|-----------------------|--------------|------|------|---------------|
| Building Construction | Hauling | 0.00 | 20.0 | HHDT |
| Building Construction | Onsite truck | — | — | HHDT |
| Paving | — | — | — | — |
| Paving | Worker | 15.0 | 18.5 | LDA,LDT1,LDT2 |
| Paving | Vendor | — | 10.2 | HHDT,MHDT |
| Paving | Hauling | 0.00 | 20.0 | HHDT |
| Paving | Onsite truck | — | — | HHDT |
| Architectural Coating | — | — | — | — |
| Architectural Coating | Worker | 84.3 | 18.5 | LDA,LDT1,LDT2 |
| Architectural Coating | Vendor | — | 10.2 | HHDT,MHDT |
| Architectural Coating | Hauling | 0.00 | 20.0 | HHDT |
| Architectural Coating | Onsite truck | — | — | HHDT |

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

| Phase Name | Residential Interior Area Coated (sq ft) | Residential Exterior Area Coated (sq ft) | Non-Residential Interior Area Coated (sq ft) | Non-Residential Exterior Area Coated (sq ft) | Parking Area Coated (sq ft) |
|-----------------------|--|--|--|--|-----------------------------|
| Architectural Coating | 0.00 | 0.00 | 1,505,265 | 501,755 | 51,292 |

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

| Phase Name | Material Imported (cy) | Material Exported (cy) | Acres Graded (acres) | Material Demolished (Building Square Footage) | Acres Paved (acres) |
|------------|------------------------|------------------------|----------------------|---|---------------------|
| Demolition | 0.00 | 0.00 | 0.00 | 43,858 | — |

| | | | | | |
|------------------|------|---------|------|------|------|
| Site Preparation | — | — | 77.0 | 0.00 | — |
| Grading | — | 218,100 | 252 | 0.00 | — |
| Paving | 0.00 | 0.00 | 0.00 | 0.00 | 28.6 |

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

| Land Use | Area Paved (acres) | % Asphalt |
|----------------------------------|--------------------|-----------|
| Unrefrigerated Warehouse-No Rail | 0.00 | 0% |
| Refrigerated Warehouse-No Rail | 0.00 | 0% |
| City Park | 0.00 | 0% |
| Parking Lot | 3.79 | 100% |
| Other Asphalt Surfaces | 24.8 | 100% |

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

| Year | kWh per Year | CO2 | CH4 | N2O |
|------|--------------|-----|------|---------|
| 2024 | 60.8 | 532 | 0.03 | < 0.005 |
| 2025 | 60.8 | 532 | 0.03 | < 0.005 |

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

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

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

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

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

| Climate Hazard | Result for Project Location | Unit |
|------------------------------|-----------------------------|--|
| Temperature and Extreme Heat | 29.1 | annual days of extreme heat |
| Extreme Precipitation | 2.10 | annual days with precipitation above 20 mm |
| Sea Level Rise | 0.00 | meters of inundation depth |
| Wildfire | 6.94 | annual hectares burned |

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi. Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about $\frac{3}{4}$ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

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 Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 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 Reduction | N/A | N/A | N/A | N/A |
| Air Quality Degradation | 1 | 1 | 1 | 2 |

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

| Indicator | Result for Project Census Tract |
|---------------------------------|---------------------------------|
| Exposure Indicators | — |
| AQ-Ozone | 95.3 |
| AQ-PM | 55.1 |
| AQ-DPM | 13.9 |
| Drinking Water | 10.2 |
| Lead Risk Housing | 54.6 |
| Pesticides | 52.5 |
| Toxic Releases | 43.8 |
| Traffic | 90.2 |
| Effect Indicators | — |
| CleanUp Sites | 60.4 |
| Groundwater | 14.3 |
| Haz Waste Facilities/Generators | 70.9 |
| Impaired Water Bodies | 0.00 |

| | |
|---------------------------------|------|
| Solid Waste | 0.00 |
| Sensitive Population | — |
| Asthma | 66.5 |
| Cardio-vascular | 91.0 |
| Low Birth Weights | 49.3 |
| Socioeconomic Factor Indicators | — |
| Education | 93.2 |
| Housing | 80.1 |
| Linguistic | 84.3 |
| Poverty | 84.1 |
| Unemployment | 93.1 |

7.2. Healthy Places Index Scores

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

| Indicator | Result for Project Census Tract |
|------------------------|---------------------------------|
| Economic | — |
| Above Poverty | 8.712947517 |
| Employed | 6.274862056 |
| Median HI | 6.826639292 |
| Education | — |
| Bachelor's or higher | 1.860644168 |
| High school enrollment | 100 |
| Preschool enrollment | 13.02450917 |
| Transportation | — |
| Auto Access | 65.16104196 |
| Active commuting | 54.20248941 |
| Social | — |

| | |
|--|-------------|
| 2-parent households | 54.04850507 |
| Voting | 3.259335301 |
| Neighborhood | — |
| Alcohol availability | 90.15783395 |
| Park access | 8.558963172 |
| Retail density | 9.829334018 |
| Supermarket access | 10.3554472 |
| Tree canopy | 2.104452714 |
| Housing | — |
| Homeownership | 46.43911202 |
| Housing habitability | 15.55241884 |
| Low-inc homeowner severe housing cost burden | 28.37161555 |
| Low-inc renter severe housing cost burden | 2.322597203 |
| Uncrowded housing | 11.35634544 |
| Health Outcomes | — |
| Insured adults | 4.79917875 |
| Arthritis | 24.0 |
| Asthma ER Admissions | 34.2 |
| High Blood Pressure | 19.3 |
| Cancer (excluding skin) | 68.9 |
| Asthma | 7.7 |
| Coronary Heart Disease | 13.8 |
| Chronic Obstructive Pulmonary Disease | 7.1 |
| Diagnosed Diabetes | 14.5 |
| Life Expectancy at Birth | 12.9 |
| Cognitively Disabled | 46.5 |
| Physically Disabled | 37.2 |

| | |
|---------------------------------------|------|
| Heart Attack ER Admissions | 6.2 |
| Mental Health Not Good | 6.0 |
| Chronic Kidney Disease | 7.4 |
| Obesity | 3.9 |
| Pedestrian Injuries | 94.4 |
| Physical Health Not Good | 6.0 |
| Stroke | 13.0 |
| Health Risk Behaviors | — |
| Binge Drinking | 72.5 |
| Current Smoker | 4.8 |
| No Leisure Time for Physical Activity | 4.7 |
| Climate Change Exposures | — |
| Wildfire Risk | 32.2 |
| SLR Inundation Area | 0.0 |
| Children | 22.0 |
| Elderly | 91.2 |
| English Speaking | 24.7 |
| Foreign-born | 59.6 |
| Outdoor Workers | 4.2 |
| Climate Change Adaptive Capacity | — |
| Impervious Surface Cover | 93.6 |
| Traffic Density | 67.0 |
| Traffic Access | 23.0 |
| Other Indices | — |
| Hardship | 96.9 |
| Other Decision Support | — |
| 2016 Voting | 13.0 |

7.3. Overall Health & Equity Scores

| Metric | Result for Project Census Tract |
|---|---------------------------------|
| CalEnviroScreen 4.0 Score for Project Location (a) | 81.0 |
| Healthy Places Index Score for Project Location (b) | 5.00 |
| Project Located in a Designated Disadvantaged Community (Senate Bill 535) | Yes |
| Project Located in a Low-Income Community (Assembly Bill 1550) | Yes |
| Project Located in a Community Air Protection Program Community (Assembly Bill 617) | No |

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

| Screen | Justification |
|--------------------------------------|--|
| Construction: Construction Phases | Schedule provided by client data |
| Construction: Off-Road Equipment | Equipment provided by client data T/L/B replaced with Crawler Tractor to accurately calculate disturbance for Site Preparation and Grading phases Standard 8 hours work days Bore Drill HP adjusted based on client provided specs. |
| Construction: Trips and VMT | Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction Per client data, a maximum of 200 hauling truck trips per day |
| Construction: Architectural Coatings | SCAQMD Rule 1113 |

| | |
|---|-----------------------------------|
| Construction: Dust From Material Movement | Provided by client |
| Land Use | Site acreage taken from Site Plan |

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APPENDIX 2.2:

EMFAC EMISSIONS SUMMARY

| Emissions | Phase | Lb/Day | # Days | Emissions | Avg/Lb Day | Avg/Hourly |
|---------------|-----------------------|----------|--------|-----------|-------------|-------------|
| On-Site | Demolition | 0.37 | 55 | 20.35 | 0.37 | 0.04625 |
| Exhaust PM-10 | Site Preparation | 0.10 | 22 | 2.2 | 0.1 | 0.0125 |
| | Grading | 0.42 | 63 | 26.46 | 0.42 | 0.0525 |
| | Building Construction | 0.35 | 195 | 68.25 | 0.35 | 0.04375 |
| | Paving | 0.16 | 15 | 2.4 | 0.16 | 0.02 |
| | Arch Coatings | 0.18 | 90 | 16.2 | 0.18 | 0.0225 |
| | | 1.58 | 335 | 135.86 | 0.405552239 | 0.05069403 |
| Off-Site | Demolition | 2.00E-02 | 55 | 1.1 | 0.02 | 0.0025 |
| Exhaust PM-10 | Site Preparation | 5.00E-03 | 22 | 0.11 | 0.005 | 0.000625 |
| | Grading | 2.70E-02 | 63 | 1.701 | 0.027 | 0.003375 |
| | Building Construction | 4.00E-02 | 195 | 7.8 | 0.04 | 0.005 |
| | Paving | 0.00E+00 | 15 | 0 | 0 | 0 |
| | Arch Coatings | 0.00E+00 | 90 | 0 | 0 | 0 |
| | | 9.20E-02 | 335 | 10.711 | 0.031973134 | 0.003996642 |

| Phase | Start Date | End Date | No. Days |
|----------------------------|------------|------------|----------|
| Demolition | 9/2/2024 | 11/15/2024 | 55 |
| Site Preparation | 11/18/2024 | 12/17/2024 | 22 |
| Grading | 12/18/2024 | 3/14/2025 | 63 |
| Building Construction | 3/17/2025 | 12/12/2025 | 195 |
| Paving | 10/2/2025 | 10/22/2025 | 15 |
| Arch Coatings | 8/11/2025 | 12/12/2025 | 90 |
| Total Days of Construction | | | 335 |

**AVERAGE EMISSION FACTOR
RIVERSIDE COUNTY 2026**

| Speed | LHD1 | LHD2 | MHD | HHD |
|-------|----------|----------|----------|---------|
| 0 | 0.363435 | 0.583122 | 0.042564 | 0.01187 |
| 5 | 0.043322 | 0.063565 | 0.025956 | 0.01166 |
| 25 | 0.020162 | 0.030795 | 0.00693 | 0.00583 |

| Speed | Weighted Average Emissions |
|-------|----------------------------|
| 0 | 0.07232 |
| 5 | 0.01820 |
| 25 | 0.00834 |

| Truck Emission Rates | | | | | | |
|-------------------------------|----------------|---------------------------------|--|---|---|--------------------------------------|
| Source | Trucks Per Day | VMT ^a (miles/day) | Truck Emission Rate ^b (grams/mile) | Truck Emission Rate ^b (grams/idle-hour) | Daily Truck Emissions ^c (grams/day) | Modeled Emission Rates (g/second) |
| On-Site Idling North | 109 | | | 0.0723 | 2.53 | 2.923E-05 |
| On-Site Idling South | 109 | | | 0.0723 | 2.53 | 2.923E-05 |
| On-Site Travel | 438 | 375.74 | 0.0182 | | 7.59 | 8.781E-05 |
| Off-Site Travel - Seaton 75% | 328 | 70.24 | 0.0083 | | 0.61 | 7.102E-06 |
| Off-Site Travel - Cajalco 15% | 66 | 65.53 | 0.0083 | | 0.57 | 6.626E-06 |
| Off-Site Travel - Cajalco 60% | 263 | 123.19 | 0.0083 | | 1.08 | 1.250E-05 |
| Off-Site Travel - Cajalco 55% | 241 | 87.58 | 0.0083 | | 0.77 | 8.855E-06 |
| Off-Site Travel - Seaton 25% | 109 | 111.04 | 0.0083 | | 0.97 | 1.123E-05 |
| Off-Site Travel - Harvill 25% | 109 | 100.16 | 0.0083 | | 0.87 | 1.013E-05 |
| Off-Site Travel - Harvill 5% | 22 | 40.09 | 0.0083 | | 0.35 | 4.053E-06 |

^a Vehicle miles traveled are for modeled truck route only.

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

^c This column includes the total truck travel and truck idle emissions. For idle emissions this column includes emissions based on the assumption that each truck idles for 15 minutes and each TRU operates for 30 minutes.

| calendar_y | season_m | sub_area | vehicle_class | fuel | temperature | relative_humidity | process | speed_time | pollutant | emission_rate |
|------------|----------|-----------|---------------|------|-------------|-------------------|---------|------------|-----------|---------------|
| 2026 | Annual | Riverside | (HHDT | Dsl | 60 | 70 | RUNEX | 5 | PM10 | 0.012278 |
| 2026 | Annual | Riverside | (HHDT | Dsl | 60 | 70 | RUNEX | 25 | PM10 | 0.006143 |
| 2026 | Annual | Riverside | (HHDT | Dsl | | | IDLEX | | PM10 | 0.012496 |
| 2026 | Annual | Riverside | (LHDT1 | Dsl | 60 | 70 | RUNEX | 5 | PM10 | 0.094016 |
| 2026 | Annual | Riverside | (LHDT1 | Dsl | 60 | 70 | RUNEX | 25 | PM10 | 0.043754 |
| 2026 | Annual | Riverside | (LHDT1 | Dsl | | | IDLEX | | PM10 | 0.788713 |
| 2026 | Annual | Riverside | (LHDT2 | Dsl | 60 | 70 | RUNEX | 5 | PM10 | 0.086355 |
| 2026 | Annual | Riverside | (LHDT2 | Dsl | 60 | 70 | RUNEX | 25 | PM10 | 0.041836 |
| 2026 | Annual | Riverside | (LHDT2 | Dsl | | | IDLEX | | PM10 | 0.79219 |
| 2026 | Annual | Riverside | (MHDT | Dsl | 60 | 70 | RUNEX | 5 | PM10 | 0.028258 |
| 2026 | Annual | Riverside | (MHDT | Dsl | 60 | 70 | RUNEX | 25 | PM10 | 0.007545 |
| 2026 | Annual | Riverside | (MHDT | Dsl | | | IDLEX | | PM10 | 0.046341 |

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Riverside (SC)
Calendar Year: 2026
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

| Region | Calendar Year | Vehicle Category | Model Year | Speed | Fuel | Population |
|-----------|---------------|------------------|------------|-----------|-------------|------------|
| Riverside | 2026 | HHDT | Aggregate | Aggregate | Gasoline | 5.30171 |
| Riverside | 2026 | HHDT | Aggregate | Aggregate | Diesel | 15687.8 |
| Riverside | 2026 | HHDT | Aggregate | Aggregate | Natural Gas | 822.986 |
| Riverside | 2026 | LHDT1 | Aggregate | Aggregate | Gasoline | 17398.3 |
| Riverside | 2026 | LHDT1 | Aggregate | Aggregate | Diesel | 14868.3 |
| Riverside | 2026 | LHDT2 | Aggregate | Aggregate | Gasoline | 2430.03 |
| Riverside | 2026 | LHDT2 | Aggregate | Aggregate | Diesel | 6777.72 |
| Riverside | 2026 | MHDT | Aggregate | Aggregate | Gasoline | 1204.16 |
| Riverside | 2026 | MHDT | Aggregate | Aggregate | Diesel | 13571.6 |
| Riverside | 2026 | MHDT | Aggregate | Aggregate | Natural Gas | 180.813 |
| | | HHDT% GAS/NG | | | 0.05015 | |
| | | HHDT% DSL | | | 0.94985 | |
| | | LHDT1% GAS | | | 0.5392 | |
| | | LHDT1% DSL | | | 0.4608 | |
| | | LHDT2% GAS | | | 0.26391 | |
| | | LHDT2% DSL | | | 0.73609 | |
| | | MHDT% GAS | | | 0.0815 | |
| | | MHDT% DSL | | | 0.9185 | |

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APPENDIX 2.3:

AERMOD MODEL INPUT/OUTPUT

```

**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 8/21/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091 Cons HRA\15091 Cons HRA.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091 MVCC\15091 MVC
  MODELOPT DFAULT CONC
  AVERTIME PERIOD
  URBANOPT 2189641 Riverside_County
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "15091 Cons HRA.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION VOL1      VOLUME      475367.587    3743682.707    478.060
LOCATION VOL3      VOLUME      475255.408    3743684.018    480.550
LOCATION VOL5      VOLUME      475140.193    3743684.832    484.370
LOCATION VOL7      VOLUME      475257.277    3744055.697    486.420
LOCATION VOL8      VOLUME      475373.751    3744055.067    482.330
LOCATION VOL9      VOLUME      475492.113    3744055.697    481.870
LOCATION VOL10     VOLUME      475604.809    3744057.586    478.940
LOCATION VOL11     VOLUME      475713.098    3744058.845    476.670
LOCATION VOL12     VOLUME      475604.306    3743955.341    479.000
LOCATION VOL13     VOLUME      475712.595    3743956.600    477.240
LOCATION VOL14     VOLUME      475256.773    3743953.452    485.790
LOCATION VOL15     VOLUME      475373.247    3743952.822    483.490
LOCATION VOL16     VOLUME      475491.610    3743953.452    481.550
LOCATION VOL17     VOLUME      475603.047    3743859.014    478.680
LOCATION VOL18     VOLUME      475711.336    3743860.273    476.280
LOCATION VOL19     VOLUME      475255.514    3743857.125    483.480
LOCATION VOL20     VOLUME      475371.988    3743856.495    481.000
LOCATION VOL21     VOLUME      475490.350    3743857.125    478.750
LOCATION VOL22     VOLUME      475365.538    3743561.053    476.820
LOCATION VOL23     VOLUME      475253.359    3743562.364    481.610
LOCATION VOL24     VOLUME      475138.144    3743563.178    486.390
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.0005035684
** Vertical Dimension = 6.99
** SZINIT = 3.25

```

```

** Nodes = 12
** 475181.797, 3743759.141, 483.20, 3.49, 4.00
** 475184.433, 3744152.466, 491.49, 3.49, 4.00
** 475564.580, 3744153.125, 479.12, 3.49, 4.00
** 475720.724, 3744153.784, 475.99, 3.49, 4.00
** 475809.008, 3744154.442, 474.01, 3.49, 4.00
** 475906.516, 3744167.619, 472.92, 3.49, 4.00
** 475948.022, 3744181.455, 472.00, 3.49, 4.00
** 475986.235, 3744192.655, 471.06, 3.49, 4.00
** 476036.306, 3744219.008, 470.53, 3.49, 4.00
** 476074.519, 3744247.338, 469.94, 3.49, 4.00
** 476146.332, 3744314.539, 468.08, 3.49, 4.00
** 476210.239, 3744396.235, 466.27, 3.49, 4.00

```

```

** -----
LOCATION L0000001    VOLUME  475181.826  3743763.436  484.11
LOCATION L0000002    VOLUME  475181.884  3743772.026  484.66
LOCATION L0000003    VOLUME  475181.941  3743780.616  485.07
LOCATION L0000004    VOLUME  475181.999  3743789.206  485.33
LOCATION L0000005    VOLUME  475182.056  3743797.796  485.59
LOCATION L0000006    VOLUME  475182.114  3743806.385  485.85
LOCATION L0000007    VOLUME  475182.171  3743814.975  485.87
LOCATION L0000008    VOLUME  475182.229  3743823.565  485.89
LOCATION L0000009    VOLUME  475182.286  3743832.155  485.91
LOCATION L0000010    VOLUME  475182.344  3743840.745  486.07
LOCATION L0000011    VOLUME  475182.402  3743849.334  486.35
LOCATION L0000012    VOLUME  475182.459  3743857.924  486.64
LOCATION L0000013    VOLUME  475182.517  3743866.514  486.91
LOCATION L0000014    VOLUME  475182.574  3743875.104  486.91
LOCATION L0000015    VOLUME  475182.632  3743883.694  486.91
LOCATION L0000016    VOLUME  475182.689  3743892.283  486.90
LOCATION L0000017    VOLUME  475182.747  3743900.873  487.20
LOCATION L0000018    VOLUME  475182.804  3743909.463  487.74
LOCATION L0000019    VOLUME  475182.862  3743918.053  488.28
LOCATION L0000020    VOLUME  475182.920  3743926.643  488.78
LOCATION L0000021    VOLUME  475182.977  3743935.232  488.52
LOCATION L0000022    VOLUME  475183.035  3743943.822  488.26
LOCATION L0000023    VOLUME  475183.092  3743952.412  488.00
LOCATION L0000024    VOLUME  475183.150  3743961.002  487.91
LOCATION L0000025    VOLUME  475183.207  3743969.592  487.94
LOCATION L0000026    VOLUME  475183.265  3743978.181  487.97
LOCATION L0000027    VOLUME  475183.322  3743986.771  488.02
LOCATION L0000028    VOLUME  475183.380  3743995.361  488.27
LOCATION L0000029    VOLUME  475183.438  3744003.951  488.52
LOCATION L0000030    VOLUME  475183.495  3744012.541  488.77
LOCATION L0000031    VOLUME  475183.553  3744021.130  488.71
LOCATION L0000032    VOLUME  475183.610  3744029.720  488.42
LOCATION L0000033    VOLUME  475183.668  3744038.310  488.13
LOCATION L0000034    VOLUME  475183.725  3744046.900  487.89
LOCATION L0000035    VOLUME  475183.783  3744055.490  488.14
LOCATION L0000036    VOLUME  475183.840  3744064.080  488.38
LOCATION L0000037    VOLUME  475183.898  3744072.669  488.63
LOCATION L0000038    VOLUME  475183.956  3744081.259  488.89
LOCATION L0000039    VOLUME  475184.013  3744089.849  489.17
LOCATION L0000040    VOLUME  475184.071  3744098.439  489.46
LOCATION L0000041    VOLUME  475184.128  3744107.029  489.74
LOCATION L0000042    VOLUME  475184.186  3744115.618  490.07
LOCATION L0000043    VOLUME  475184.243  3744124.208  490.39
LOCATION L0000044    VOLUME  475184.301  3744132.798  490.72
LOCATION L0000045    VOLUME  475184.358  3744141.388  491.00
LOCATION L0000046    VOLUME  475184.416  3744149.978  491.24
LOCATION L0000047    VOLUME  475190.534  3744152.476  490.99
LOCATION L0000048    VOLUME  475199.124  3744152.491  490.55
LOCATION L0000049    VOLUME  475207.714  3744152.506  490.11
LOCATION L0000050    VOLUME  475216.304  3744152.521  489.68
LOCATION L0000051    VOLUME  475224.894  3744152.536  489.27
LOCATION L0000052    VOLUME  475233.484  3744152.551  488.85

```

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000053 | VOLUME | 475242.074 | 3744152.566 | 488.43 |
| LOCATION | L0000054 | VOLUME | 475250.664 | 3744152.581 | 487.99 |
| LOCATION | L0000055 | VOLUME | 475259.254 | 3744152.596 | 487.54 |
| LOCATION | L0000056 | VOLUME | 475267.844 | 3744152.610 | 487.10 |
| LOCATION | L0000057 | VOLUME | 475276.434 | 3744152.625 | 486.66 |
| LOCATION | L0000058 | VOLUME | 475285.024 | 3744152.640 | 486.21 |
| LOCATION | L0000059 | VOLUME | 475293.614 | 3744152.655 | 485.77 |
| LOCATION | L0000060 | VOLUME | 475302.204 | 3744152.670 | 485.34 |
| LOCATION | L0000061 | VOLUME | 475310.794 | 3744152.685 | 484.92 |
| LOCATION | L0000062 | VOLUME | 475319.384 | 3744152.700 | 484.50 |
| LOCATION | L0000063 | VOLUME | 475327.974 | 3744152.715 | 484.09 |
| LOCATION | L0000064 | VOLUME | 475336.564 | 3744152.730 | 483.55 |
| LOCATION | L0000065 | VOLUME | 475345.154 | 3744152.744 | 482.98 |
| LOCATION | L0000066 | VOLUME | 475353.744 | 3744152.759 | 482.40 |
| LOCATION | L0000067 | VOLUME | 475362.334 | 3744152.774 | 481.92 |
| LOCATION | L0000068 | VOLUME | 475370.924 | 3744152.789 | 481.63 |
| LOCATION | L0000069 | VOLUME | 475379.514 | 3744152.804 | 481.34 |
| LOCATION | L0000070 | VOLUME | 475388.104 | 3744152.819 | 481.06 |
| LOCATION | L0000071 | VOLUME | 475396.694 | 3744152.834 | 481.00 |
| LOCATION | L0000072 | VOLUME | 475405.284 | 3744152.849 | 481.00 |
| LOCATION | L0000073 | VOLUME | 475413.874 | 3744152.863 | 481.00 |
| LOCATION | L0000074 | VOLUME | 475422.464 | 3744152.878 | 480.91 |
| LOCATION | L0000075 | VOLUME | 475431.054 | 3744152.893 | 480.63 |
| LOCATION | L0000076 | VOLUME | 475439.644 | 3744152.908 | 480.34 |
| LOCATION | L0000077 | VOLUME | 475448.234 | 3744152.923 | 480.05 |
| LOCATION | L0000078 | VOLUME | 475456.824 | 3744152.938 | 480.10 |
| LOCATION | L0000079 | VOLUME | 475465.414 | 3744152.953 | 480.23 |
| LOCATION | L0000080 | VOLUME | 475474.004 | 3744152.968 | 480.36 |
| LOCATION | L0000081 | VOLUME | 475482.594 | 3744152.983 | 480.44 |
| LOCATION | L0000082 | VOLUME | 475491.184 | 3744152.997 | 480.44 |
| LOCATION | L0000083 | VOLUME | 475499.774 | 3744153.012 | 480.44 |
| LOCATION | L0000084 | VOLUME | 475508.364 | 3744153.027 | 480.44 |
| LOCATION | L0000085 | VOLUME | 475516.954 | 3744153.042 | 480.33 |
| LOCATION | L0000086 | VOLUME | 475525.544 | 3744153.057 | 480.21 |
| LOCATION | L0000087 | VOLUME | 475534.134 | 3744153.072 | 480.08 |
| LOCATION | L0000088 | VOLUME | 475542.724 | 3744153.087 | 479.90 |
| LOCATION | L0000089 | VOLUME | 475551.314 | 3744153.102 | 479.62 |
| LOCATION | L0000090 | VOLUME | 475559.904 | 3744153.117 | 479.33 |
| LOCATION | L0000091 | VOLUME | 475568.494 | 3744153.141 | 479.04 |
| LOCATION | L0000092 | VOLUME | 475577.084 | 3744153.177 | 479.00 |
| LOCATION | L0000093 | VOLUME | 475585.674 | 3744153.214 | 479.00 |
| LOCATION | L0000094 | VOLUME | 475594.263 | 3744153.250 | 479.00 |
| LOCATION | L0000095 | VOLUME | 475602.853 | 3744153.286 | 478.90 |
| LOCATION | L0000096 | VOLUME | 475611.443 | 3744153.322 | 478.61 |
| LOCATION | L0000097 | VOLUME | 475620.033 | 3744153.359 | 478.33 |
| LOCATION | L0000098 | VOLUME | 475628.623 | 3744153.395 | 478.04 |
| LOCATION | L0000099 | VOLUME | 475637.213 | 3744153.431 | 477.75 |
| LOCATION | L0000100 | VOLUME | 475645.803 | 3744153.467 | 477.47 |
| LOCATION | L0000101 | VOLUME | 475654.393 | 3744153.504 | 477.18 |
| LOCATION | L0000102 | VOLUME | 475662.983 | 3744153.540 | 476.96 |
| LOCATION | L0000103 | VOLUME | 475671.573 | 3744153.576 | 476.84 |
| LOCATION | L0000104 | VOLUME | 475680.163 | 3744153.612 | 476.72 |
| LOCATION | L0000105 | VOLUME | 475688.753 | 3744153.649 | 476.60 |
| LOCATION | L0000106 | VOLUME | 475697.343 | 3744153.685 | 476.44 |
| LOCATION | L0000107 | VOLUME | 475705.932 | 3744153.721 | 476.27 |
| LOCATION | L0000108 | VOLUME | 475714.522 | 3744153.757 | 476.10 |
| LOCATION | L0000109 | VOLUME | 475723.112 | 3744153.801 | 475.89 |
| LOCATION | L0000110 | VOLUME | 475731.702 | 3744153.865 | 475.60 |
| LOCATION | L0000111 | VOLUME | 475740.292 | 3744153.930 | 475.32 |
| LOCATION | L0000112 | VOLUME | 475748.882 | 3744153.994 | 475.03 |
| LOCATION | L0000113 | VOLUME | 475757.471 | 3744154.058 | 475.00 |
| LOCATION | L0000114 | VOLUME | 475766.061 | 3744154.122 | 475.00 |
| LOCATION | L0000115 | VOLUME | 475774.651 | 3744154.186 | 475.00 |
| LOCATION | L0000116 | VOLUME | 475783.241 | 3744154.250 | 474.89 |
| LOCATION | L0000117 | VOLUME | 475791.830 | 3744154.314 | 474.60 |
| LOCATION | L0000118 | VOLUME | 475800.420 | 3744154.378 | 474.31 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000119 | VOLUME | 475809.010 | 3744154.443 | 474.03 |
| LOCATION | L0000120 | VOLUME | 475817.523 | 3744155.593 | 473.83 |
| LOCATION | L0000121 | VOLUME | 475826.035 | 3744156.743 | 473.63 |
| LOCATION | L0000122 | VOLUME | 475834.548 | 3744157.894 | 473.40 |
| LOCATION | L0000123 | VOLUME | 475843.060 | 3744159.044 | 473.24 |
| LOCATION | L0000124 | VOLUME | 475851.573 | 3744160.194 | 473.20 |
| LOCATION | L0000125 | VOLUME | 475860.086 | 3744161.345 | 473.16 |
| LOCATION | L0000126 | VOLUME | 475868.598 | 3744162.495 | 473.12 |
| LOCATION | L0000127 | VOLUME | 475877.111 | 3744163.645 | 473.06 |
| LOCATION | L0000128 | VOLUME | 475885.624 | 3744164.796 | 473.02 |
| LOCATION | L0000129 | VOLUME | 475894.136 | 3744165.946 | 473.00 |
| LOCATION | L0000130 | VOLUME | 475902.649 | 3744167.096 | 472.88 |
| LOCATION | L0000131 | VOLUME | 475910.963 | 3744169.101 | 472.57 |
| LOCATION | L0000132 | VOLUME | 475919.112 | 3744171.818 | 472.29 |
| LOCATION | L0000133 | VOLUME | 475927.261 | 3744174.534 | 472.06 |
| LOCATION | L0000134 | VOLUME | 475935.411 | 3744177.251 | 472.00 |
| LOCATION | L0000135 | VOLUME | 475943.560 | 3744179.967 | 472.00 |
| LOCATION | L0000136 | VOLUME | 475951.752 | 3744182.548 | 472.00 |
| LOCATION | L0000137 | VOLUME | 475959.995 | 3744184.964 | 472.00 |
| LOCATION | L0000138 | VOLUME | 475968.238 | 3744187.380 | 471.80 |
| LOCATION | L0000139 | VOLUME | 475976.481 | 3744189.796 | 471.56 |
| LOCATION | L0000140 | VOLUME | 475984.724 | 3744192.212 | 471.28 |
| LOCATION | L0000141 | VOLUME | 475992.443 | 3744195.922 | 471.01 |
| LOCATION | L0000142 | VOLUME | 476000.045 | 3744199.923 | 471.00 |
| LOCATION | L0000143 | VOLUME | 476007.646 | 3744203.924 | 471.00 |
| LOCATION | L0000144 | VOLUME | 476015.248 | 3744207.925 | 471.00 |
| LOCATION | L0000145 | VOLUME | 476022.849 | 3744211.926 | 470.95 |
| LOCATION | L0000146 | VOLUME | 476030.451 | 3744215.926 | 470.77 |
| LOCATION | L0000147 | VOLUME | 476037.891 | 3744220.183 | 470.52 |
| LOCATION | L0000148 | VOLUME | 476044.792 | 3744225.299 | 470.19 |
| LOCATION | L0000149 | VOLUME | 476051.692 | 3744230.415 | 470.00 |
| LOCATION | L0000150 | VOLUME | 476058.592 | 3744235.531 | 470.00 |
| LOCATION | L0000151 | VOLUME | 476065.493 | 3744240.647 | 470.00 |
| LOCATION | L0000152 | VOLUME | 476072.393 | 3744245.762 | 470.00 |
| LOCATION | L0000153 | VOLUME | 476078.859 | 3744251.400 | 470.00 |
| LOCATION | L0000154 | VOLUME | 476085.131 | 3744257.269 | 469.79 |
| LOCATION | L0000155 | VOLUME | 476091.403 | 3744263.138 | 469.47 |
| LOCATION | L0000156 | VOLUME | 476097.675 | 3744269.008 | 469.23 |
| LOCATION | L0000157 | VOLUME | 476103.947 | 3744274.877 | 469.07 |
| LOCATION | L0000158 | VOLUME | 476110.219 | 3744280.746 | 469.00 |
| LOCATION | L0000159 | VOLUME | 476116.492 | 3744286.616 | 469.00 |
| LOCATION | L0000160 | VOLUME | 476122.764 | 3744292.485 | 468.91 |
| LOCATION | L0000161 | VOLUME | 476129.036 | 3744298.354 | 468.74 |
| LOCATION | L0000162 | VOLUME | 476135.308 | 3744304.223 | 468.49 |
| LOCATION | L0000163 | VOLUME | 476141.580 | 3744310.093 | 468.19 |
| LOCATION | L0000164 | VOLUME | 476147.615 | 3744316.179 | 468.00 |
| LOCATION | L0000165 | VOLUME | 476152.907 | 3744322.945 | 467.90 |
| LOCATION | L0000166 | VOLUME | 476158.200 | 3744329.711 | 467.72 |
| LOCATION | L0000167 | VOLUME | 476163.493 | 3744336.477 | 467.47 |
| LOCATION | L0000168 | VOLUME | 476168.785 | 3744343.243 | 467.13 |
| LOCATION | L0000169 | VOLUME | 476174.078 | 3744350.008 | 467.00 |
| LOCATION | L0000170 | VOLUME | 476179.370 | 3744356.774 | 467.00 |
| LOCATION | L0000171 | VOLUME | 476184.663 | 3744363.540 | 467.00 |
| LOCATION | L0000172 | VOLUME | 476189.956 | 3744370.306 | 467.00 |
| LOCATION | L0000173 | VOLUME | 476195.248 | 3744377.072 | 466.98 |
| LOCATION | L0000174 | VOLUME | 476200.541 | 3744383.838 | 466.75 |
| LOCATION | L0000175 | VOLUME | 476205.833 | 3744390.603 | 466.52 |

** End of LINE VOLUME Source ID = SLINE1

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 0.0005035684

```
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 8
** 476211.556, 3744396.894, 466.25, 3.49, 6.51
** 476378.242, 3744632.098, 462.47, 3.49, 6.51
** 476419.748, 3744680.852, 461.80, 3.49, 6.51
** 476464.549, 3744722.358, 460.57, 3.49, 6.51
** 476515.938, 3744759.912, 460.00, 3.49, 6.51
** 476619.375, 3744804.712, 458.00, 3.49, 6.51
** 476764.978, 3744854.784, 456.98, 3.49, 6.51
** 476857.215, 3744891.020, 456.00, 3.49, 6.51
```

```
** -----
LOCATION L0000176      VOLUME 476215.604 3744402.605 466.12
LOCATION L0000177      VOLUME 476223.699 3744414.027 466.00
LOCATION L0000178      VOLUME 476231.794 3744425.450 465.96
LOCATION L0000179      VOLUME 476239.889 3744436.872 465.65
LOCATION L0000180      VOLUME 476247.983 3744448.295 465.24
LOCATION L0000181      VOLUME 476256.078 3744459.717 465.03
LOCATION L0000182      VOLUME 476264.173 3744471.140 464.98
LOCATION L0000183      VOLUME 476272.268 3744482.562 464.77
LOCATION L0000184      VOLUME 476280.363 3744493.985 464.37
LOCATION L0000185      VOLUME 476288.458 3744505.407 464.03
LOCATION L0000186      VOLUME 476296.553 3744516.829 463.85
LOCATION L0000187      VOLUME 476304.648 3744528.252 463.51
LOCATION L0000188      VOLUME 476312.743 3744539.674 463.24
LOCATION L0000189      VOLUME 476320.838 3744551.097 463.00
LOCATION L0000190      VOLUME 476328.932 3744562.519 463.00
LOCATION L0000191      VOLUME 476337.027 3744573.942 463.00
LOCATION L0000192      VOLUME 476345.122 3744585.364 463.00
LOCATION L0000193      VOLUME 476353.217 3744596.787 463.00
LOCATION L0000194      VOLUME 476361.312 3744608.209 463.00
LOCATION L0000195      VOLUME 476369.407 3744619.632 462.93
LOCATION L0000196      VOLUME 476377.502 3744631.054 462.54
LOCATION L0000197      VOLUME 476386.488 3744641.784 462.11
LOCATION L0000198      VOLUME 476395.563 3744652.444 462.00
LOCATION L0000199      VOLUME 476404.639 3744663.104 462.00
LOCATION L0000200      VOLUME 476413.714 3744673.764 461.87
LOCATION L0000201      VOLUME 476423.190 3744684.040 461.56
LOCATION L0000202      VOLUME 476433.460 3744693.555 461.21
LOCATION L0000203      VOLUME 476443.730 3744703.069 460.87
LOCATION L0000204      VOLUME 476453.999 3744712.584 460.63
LOCATION L0000205      VOLUME 476464.269 3744722.099 460.62
LOCATION L0000206      VOLUME 476475.545 3744730.393 460.65
LOCATION L0000207      VOLUME 476486.848 3744738.654 460.40
LOCATION L0000208      VOLUME 476498.151 3744746.914 460.04
LOCATION L0000209      VOLUME 476509.455 3744755.174 460.00
LOCATION L0000210      VOLUME 476521.417 3744762.285 460.00
LOCATION L0000211      VOLUME 476534.263 3744767.849 459.85
LOCATION L0000212      VOLUME 476547.110 3744773.413 459.42
LOCATION L0000213      VOLUME 476559.957 3744778.977 459.00
LOCATION L0000214      VOLUME 476572.804 3744784.541 458.57
LOCATION L0000215      VOLUME 476585.650 3744790.106 458.14
LOCATION L0000216      VOLUME 476598.497 3744795.670 458.00
LOCATION L0000217      VOLUME 476611.344 3744801.234 458.00
LOCATION L0000218      VOLUME 476624.338 3744806.419 457.95
LOCATION L0000219      VOLUME 476637.577 3744810.972 457.71
LOCATION L0000220      VOLUME 476650.816 3744815.525 457.34
LOCATION L0000221      VOLUME 476664.055 3744820.077 457.11
LOCATION L0000222      VOLUME 476677.294 3744824.630 457.00
LOCATION L0000223      VOLUME 476690.533 3744829.183 457.00
LOCATION L0000224      VOLUME 476703.772 3744833.736 457.00
LOCATION L0000225      VOLUME 476717.011 3744838.289 457.00
LOCATION L0000226      VOLUME 476730.250 3744842.841 457.00
LOCATION L0000227      VOLUME 476743.489 3744847.394 457.00
LOCATION L0000228      VOLUME 476756.728 3744851.947 457.00
LOCATION L0000229      VOLUME 476769.889 3744856.713 457.00
```

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000230 | VOLUME | 476782.919 | 3744861.832 | 457.00 |
| LOCATION | L0000231 | VOLUME | 476795.950 | 3744866.951 | 456.00 |
| LOCATION | L0000232 | VOLUME | 476808.980 | 3744872.071 | 456.00 |
| LOCATION | L0000233 | VOLUME | 476822.011 | 3744877.190 | 456.00 |
| LOCATION | L0000234 | VOLUME | 476835.041 | 3744882.309 | 456.00 |
| LOCATION | L0000235 | VOLUME | 476848.072 | 3744887.428 | 456.00 |

** End of LINE VOLUME Source ID = SLINE2

** Source Parameters **

| | | | | | |
|----------|-------|-------------|-------|--------|-------|
| SRCPARAM | VOL1 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL3 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL5 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL7 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL8 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL9 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL10 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL11 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL12 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL13 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL14 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL15 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL16 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL17 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL18 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL19 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL20 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL21 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL22 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL23 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL24 | 0.000304159 | 5.000 | 30.453 | 1.400 |

** LINE VOLUME Source ID = SLINE1

| | | | | | |
|----------|----------|-------------|------|------|------|
| SRCPARAM | L0000001 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000002 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000003 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000004 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000005 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000006 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000007 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000008 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000009 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000010 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000011 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000012 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000013 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000014 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000015 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000016 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000017 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000018 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000019 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000020 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000021 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000022 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000023 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000024 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000025 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000026 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000027 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000028 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000029 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000030 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000031 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000032 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000033 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000034 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000035 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000036 | 0.000002878 | 3.49 | 4.00 | 3.25 |

[illegible]

[illegible]

| | | | | | |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0000169 | 0.0000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000170 | 0.0000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000171 | 0.0000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000172 | 0.0000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000173 | 0.0000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000174 | 0.0000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000175 | 0.0000002878 | 3.49 | 4.00 | 3.25 |

```
** LINE VOLUME Source ID = SLINE2
```

[illegible]

| | | | | | |
|----------|----------|-------------|------|------|------|
| SRCPARAM | L0000233 | 0.000008393 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000234 | 0.000008393 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000235 | 0.000008393 | 3.49 | 6.51 | 3.25 |

**

URBANSRC ALL

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

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

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

** Saturday:

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

** Sunday:

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

** WeekDays:

| | | | | | | | | |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | 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 | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | VOL5 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

** Saturday:

| | | | | | | | | |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

** Sunday:

| | | | | | | | | |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

** WeekDays:

| | | | | | | | | |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | VOL7 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

** Saturday:

| | | | | | | | | |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

** Sunday:

| | | | | | | | | |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

| | | | | | | | | |
|----------|----------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | L0000167 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000167 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000168 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000168 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000168 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000168 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000169 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000169 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000169 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000169 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000170 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000170 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000170 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000170 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000171 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000171 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000171 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000171 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000172 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000172 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000172 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000172 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000173 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000173 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000173 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000173 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000174 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000174 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000174 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000174 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000175 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000175 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000175 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000175 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

| | | | | | | | | |
|----------|----------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | L0000173 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000174 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000174 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000174 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000174 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000175 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000175 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000175 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000175 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

| | | | | | | | | |
|----------|----------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | L0000229 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000229 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000229 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000230 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000230 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000230 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000230 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000231 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000231 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000231 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000231 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000232 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000232 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000232 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000232 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000233 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000233 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000233 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000233 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000234 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000234 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000234 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000234 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000235 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000235 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000235 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000235 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

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EMISFACT L0000224      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000224      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000224      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000225      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000225      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000225      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000225      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000225      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000226      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000226      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000226      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000226      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000227      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000227      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000227      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000227      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000228      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000228      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000228      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000228      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000229      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000229      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000229      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000229      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000230      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000230      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000230      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000230      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000231      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000231      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000231      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000231      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000232      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000232      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000232      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000232      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000233      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000233      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000233      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000233      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000234      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000234      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000234      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000234      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000235      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000235      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000235      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000235      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED "15091 Cons HRA.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 PERIOD ALL "15091 CONS HRA.AD\PE00GALL.PLT" 31
  SUMMFILE "15091 Cons HRA.sum"
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS     m
** ZONE      11
** ZONEINX   0
**
```

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 8/21/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091 Cons HRA\15091 Cons HRA.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091 MVCC\15091 MVC
  MODELOPT DFAULT CONC
  AVERTIME PERIOD
  URBANOPT 2189641 Riverside_County
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "15091 Cons HRA.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
LOCATION VOL1      VOLUME      475367.587   3743682.707   478.060
LOCATION VOL3      VOLUME      475255.408   3743684.018   480.550
LOCATION VOL5      VOLUME      475140.193   3743684.832   484.370
LOCATION VOL7      VOLUME      475257.277   3744055.697   486.420
LOCATION VOL8      VOLUME      475373.751   3744055.067   482.330
LOCATION VOL9      VOLUME      475492.113   3744055.697   481.870
LOCATION VOL10     VOLUME      475604.809   3744057.586   478.940
LOCATION VOL11     VOLUME      475713.098   3744058.845   476.670
LOCATION VOL12     VOLUME      475604.306   3743955.341   479.000
LOCATION VOL13     VOLUME      475712.595   3743956.600   477.240
LOCATION VOL14     VOLUME      475256.773   3743953.452   485.790
LOCATION VOL15     VOLUME      475373.247   3743952.822   483.490
LOCATION VOL16     VOLUME      475491.610   3743953.452   481.550
LOCATION VOL17     VOLUME      475603.047   3743859.014   478.680
LOCATION VOL18     VOLUME      475711.336   3743860.273   476.280
LOCATION VOL19     VOLUME      475255.514   3743857.125   483.480
LOCATION VOL20     VOLUME      475371.988   3743856.495   481.000
LOCATION VOL21     VOLUME      475490.350   3743857.125   478.750
LOCATION VOL22     VOLUME      475365.538   3743561.053   476.820
LOCATION VOL23     VOLUME      475253.359   3743562.364   481.610
LOCATION VOL24     VOLUME      475138.144   3743563.178   486.390
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.0005035684
** Vertical Dimension = 6.99

```

```

** SZINIT = 3.25
** Nodes = 12
** 475181.797, 3743759.141, 483.20, 3.49, 4.00
** 475184.433, 3744152.466, 491.49, 3.49, 4.00
** 475564.580, 3744153.125, 479.12, 3.49, 4.00
** 475720.724, 3744153.784, 475.99, 3.49, 4.00
** 475809.008, 3744154.442, 474.01, 3.49, 4.00
** 475906.516, 3744167.619, 472.92, 3.49, 4.00
** 475948.022, 3744181.455, 472.00, 3.49, 4.00
** 475986.235, 3744192.655, 471.06, 3.49, 4.00
** 476036.306, 3744219.008, 470.53, 3.49, 4.00
** 476074.519, 3744247.338, 469.94, 3.49, 4.00
** 476146.332, 3744314.539, 468.08, 3.49, 4.00
** 476210.239, 3744396.235, 466.27, 3.49, 4.00

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** -----
LOCATION L0000001      VOLUME  475181.826 3743763.436 484.11
LOCATION L0000002      VOLUME  475181.884 3743772.026 484.66
LOCATION L0000003      VOLUME  475181.941 3743780.616 485.07
LOCATION L0000004      VOLUME  475181.999 3743789.206 485.33
LOCATION L0000005      VOLUME  475182.056 3743797.796 485.59
LOCATION L0000006      VOLUME  475182.114 3743806.385 485.85
LOCATION L0000007      VOLUME  475182.171 3743814.975 485.87
LOCATION L0000008      VOLUME  475182.229 3743823.565 485.89
LOCATION L0000009      VOLUME  475182.286 3743832.155 485.91
LOCATION L0000010      VOLUME  475182.344 3743840.745 486.07
LOCATION L0000011      VOLUME  475182.402 3743849.334 486.35
LOCATION L0000012      VOLUME  475182.459 3743857.924 486.64
LOCATION L0000013      VOLUME  475182.517 3743866.514 486.91
LOCATION L0000014      VOLUME  475182.574 3743875.104 486.91
LOCATION L0000015      VOLUME  475182.632 3743883.694 486.91
LOCATION L0000016      VOLUME  475182.689 3743892.283 486.90
LOCATION L0000017      VOLUME  475182.747 3743900.873 487.20
LOCATION L0000018      VOLUME  475182.804 3743909.463 487.74
LOCATION L0000019      VOLUME  475182.862 3743918.053 488.28
LOCATION L0000020      VOLUME  475182.920 3743926.643 488.78
LOCATION L0000021      VOLUME  475182.977 3743935.232 488.52
LOCATION L0000022      VOLUME  475183.035 3743943.822 488.26
LOCATION L0000023      VOLUME  475183.092 3743952.412 488.00
LOCATION L0000024      VOLUME  475183.150 3743961.002 487.91
LOCATION L0000025      VOLUME  475183.207 3743969.592 487.94
LOCATION L0000026      VOLUME  475183.265 3743978.181 487.97
LOCATION L0000027      VOLUME  475183.322 3743986.771 488.02
LOCATION L0000028      VOLUME  475183.380 3743995.361 488.27
LOCATION L0000029      VOLUME  475183.438 3744003.951 488.52
LOCATION L0000030      VOLUME  475183.495 3744012.541 488.77
LOCATION L0000031      VOLUME  475183.553 3744021.130 488.71
LOCATION L0000032      VOLUME  475183.610 3744029.720 488.42
LOCATION L0000033      VOLUME  475183.668 3744038.310 488.13
LOCATION L0000034      VOLUME  475183.725 3744046.900 487.89
LOCATION L0000035      VOLUME  475183.783 3744055.490 488.14
LOCATION L0000036      VOLUME  475183.840 3744064.080 488.38
LOCATION L0000037      VOLUME  475183.898 3744072.669 488.63
LOCATION L0000038      VOLUME  475183.956 3744081.259 488.89
LOCATION L0000039      VOLUME  475184.013 3744089.849 489.17
LOCATION L0000040      VOLUME  475184.071 3744098.439 489.46
LOCATION L0000041      VOLUME  475184.128 3744107.029 489.74
LOCATION L0000042      VOLUME  475184.186 3744115.618 490.07
LOCATION L0000043      VOLUME  475184.243 3744124.208 490.39
LOCATION L0000044      VOLUME  475184.301 3744132.798 490.72
LOCATION L0000045      VOLUME  475184.358 3744141.388 491.00
LOCATION L0000046      VOLUME  475184.416 3744149.978 491.24
LOCATION L0000047      VOLUME  475190.534 3744152.476 490.99
LOCATION L0000048      VOLUME  475199.124 3744152.491 490.55
LOCATION L0000049      VOLUME  475207.714 3744152.506 490.11
LOCATION L0000050      VOLUME  475216.304 3744152.521 489.68
LOCATION L0000051      VOLUME  475224.894 3744152.536 489.27

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| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000052 | VOLUME | 475233.484 | 3744152.551 | 488.85 |
| LOCATION | L0000053 | VOLUME | 475242.074 | 3744152.566 | 488.43 |
| LOCATION | L0000054 | VOLUME | 475250.664 | 3744152.581 | 487.99 |
| LOCATION | L0000055 | VOLUME | 475259.254 | 3744152.596 | 487.54 |
| LOCATION | L0000056 | VOLUME | 475267.844 | 3744152.610 | 487.10 |
| LOCATION | L0000057 | VOLUME | 475276.434 | 3744152.625 | 486.66 |
| LOCATION | L0000058 | VOLUME | 475285.024 | 3744152.640 | 486.21 |
| LOCATION | L0000059 | VOLUME | 475293.614 | 3744152.655 | 485.77 |
| LOCATION | L0000060 | VOLUME | 475302.204 | 3744152.670 | 485.34 |
| LOCATION | L0000061 | VOLUME | 475310.794 | 3744152.685 | 484.92 |
| LOCATION | L0000062 | VOLUME | 475319.384 | 3744152.700 | 484.50 |
| LOCATION | L0000063 | VOLUME | 475327.974 | 3744152.715 | 484.09 |
| LOCATION | L0000064 | VOLUME | 475336.564 | 3744152.730 | 483.55 |
| LOCATION | L0000065 | VOLUME | 475345.154 | 3744152.744 | 482.98 |
| LOCATION | L0000066 | VOLUME | 475353.744 | 3744152.759 | 482.40 |
| LOCATION | L0000067 | VOLUME | 475362.334 | 3744152.774 | 481.92 |
| LOCATION | L0000068 | VOLUME | 475370.924 | 3744152.789 | 481.63 |
| LOCATION | L0000069 | VOLUME | 475379.514 | 3744152.804 | 481.34 |
| LOCATION | L0000070 | VOLUME | 475388.104 | 3744152.819 | 481.06 |
| LOCATION | L0000071 | VOLUME | 475396.694 | 3744152.834 | 481.00 |
| LOCATION | L0000072 | VOLUME | 475405.284 | 3744152.849 | 481.00 |
| LOCATION | L0000073 | VOLUME | 475413.874 | 3744152.863 | 481.00 |
| LOCATION | L0000074 | VOLUME | 475422.464 | 3744152.878 | 480.91 |
| LOCATION | L0000075 | VOLUME | 475431.054 | 3744152.893 | 480.63 |
| LOCATION | L0000076 | VOLUME | 475439.644 | 3744152.908 | 480.34 |
| LOCATION | L0000077 | VOLUME | 475448.234 | 3744152.923 | 480.05 |
| LOCATION | L0000078 | VOLUME | 475456.824 | 3744152.938 | 480.10 |
| LOCATION | L0000079 | VOLUME | 475465.414 | 3744152.953 | 480.23 |
| LOCATION | L0000080 | VOLUME | 475474.004 | 3744152.968 | 480.36 |
| LOCATION | L0000081 | VOLUME | 475482.594 | 3744152.983 | 480.44 |
| LOCATION | L0000082 | VOLUME | 475491.184 | 3744152.997 | 480.44 |
| LOCATION | L0000083 | VOLUME | 475499.774 | 3744153.012 | 480.44 |
| LOCATION | L0000084 | VOLUME | 475508.364 | 3744153.027 | 480.44 |
| LOCATION | L0000085 | VOLUME | 475516.954 | 3744153.042 | 480.33 |
| LOCATION | L0000086 | VOLUME | 475525.544 | 3744153.057 | 480.21 |
| LOCATION | L0000087 | VOLUME | 475534.134 | 3744153.072 | 480.08 |
| LOCATION | L0000088 | VOLUME | 475542.724 | 3744153.087 | 479.90 |
| LOCATION | L0000089 | VOLUME | 475551.314 | 3744153.102 | 479.62 |
| LOCATION | L0000090 | VOLUME | 475559.904 | 3744153.117 | 479.33 |
| LOCATION | L0000091 | VOLUME | 475568.494 | 3744153.141 | 479.04 |
| LOCATION | L0000092 | VOLUME | 475577.084 | 3744153.177 | 479.00 |
| LOCATION | L0000093 | VOLUME | 475585.674 | 3744153.214 | 479.00 |
| LOCATION | L0000094 | VOLUME | 475594.263 | 3744153.250 | 479.00 |
| LOCATION | L0000095 | VOLUME | 475602.853 | 3744153.286 | 478.90 |
| LOCATION | L0000096 | VOLUME | 475611.443 | 3744153.322 | 478.61 |
| LOCATION | L0000097 | VOLUME | 475620.033 | 3744153.359 | 478.33 |
| LOCATION | L0000098 | VOLUME | 475628.623 | 3744153.395 | 478.04 |
| LOCATION | L0000099 | VOLUME | 475637.213 | 3744153.431 | 477.75 |
| LOCATION | L0000100 | VOLUME | 475645.803 | 3744153.467 | 477.47 |
| LOCATION | L0000101 | VOLUME | 475654.393 | 3744153.504 | 477.18 |
| LOCATION | L0000102 | VOLUME | 475662.983 | 3744153.540 | 476.96 |
| LOCATION | L0000103 | VOLUME | 475671.573 | 3744153.576 | 476.84 |
| LOCATION | L0000104 | VOLUME | 475680.163 | 3744153.612 | 476.72 |
| LOCATION | L0000105 | VOLUME | 475688.753 | 3744153.649 | 476.60 |
| LOCATION | L0000106 | VOLUME | 475697.343 | 3744153.685 | 476.44 |
| LOCATION | L0000107 | VOLUME | 475705.932 | 3744153.721 | 476.27 |
| LOCATION | L0000108 | VOLUME | 475714.522 | 3744153.757 | 476.10 |
| LOCATION | L0000109 | VOLUME | 475723.112 | 3744153.801 | 475.89 |
| LOCATION | L0000110 | VOLUME | 475731.702 | 3744153.865 | 475.60 |
| LOCATION | L0000111 | VOLUME | 475740.292 | 3744153.930 | 475.32 |
| LOCATION | L0000112 | VOLUME | 475748.882 | 3744153.994 | 475.03 |
| LOCATION | L0000113 | VOLUME | 475757.471 | 3744154.058 | 475.00 |
| LOCATION | L0000114 | VOLUME | 475766.061 | 3744154.122 | 475.00 |
| LOCATION | L0000115 | VOLUME | 475774.651 | 3744154.186 | 475.00 |
| LOCATION | L0000116 | VOLUME | 475783.241 | 3744154.250 | 474.89 |
| LOCATION | L0000117 | VOLUME | 475791.830 | 3744154.314 | 474.60 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000118 | VOLUME | 475800.420 | 3744154.378 | 474.31 |
| LOCATION | L0000119 | VOLUME | 475809.010 | 3744154.443 | 474.03 |
| LOCATION | L0000120 | VOLUME | 475817.523 | 3744155.593 | 473.83 |
| LOCATION | L0000121 | VOLUME | 475826.035 | 3744156.743 | 473.63 |
| LOCATION | L0000122 | VOLUME | 475834.548 | 3744157.894 | 473.40 |
| LOCATION | L0000123 | VOLUME | 475843.060 | 3744159.044 | 473.24 |
| LOCATION | L0000124 | VOLUME | 475851.573 | 3744160.194 | 473.20 |
| LOCATION | L0000125 | VOLUME | 475860.086 | 3744161.345 | 473.16 |
| LOCATION | L0000126 | VOLUME | 475868.598 | 3744162.495 | 473.12 |
| LOCATION | L0000127 | VOLUME | 475877.111 | 3744163.645 | 473.06 |
| LOCATION | L0000128 | VOLUME | 475885.624 | 3744164.796 | 473.02 |
| LOCATION | L0000129 | VOLUME | 475894.136 | 3744165.946 | 473.00 |
| LOCATION | L0000130 | VOLUME | 475902.649 | 3744167.096 | 472.88 |
| LOCATION | L0000131 | VOLUME | 475910.963 | 3744169.101 | 472.57 |
| LOCATION | L0000132 | VOLUME | 475919.112 | 3744171.818 | 472.29 |
| LOCATION | L0000133 | VOLUME | 475927.261 | 3744174.534 | 472.06 |
| LOCATION | L0000134 | VOLUME | 475935.411 | 3744177.251 | 472.00 |
| LOCATION | L0000135 | VOLUME | 475943.560 | 3744179.967 | 472.00 |
| LOCATION | L0000136 | VOLUME | 475951.752 | 3744182.548 | 472.00 |
| LOCATION | L0000137 | VOLUME | 475959.995 | 3744184.964 | 472.00 |
| LOCATION | L0000138 | VOLUME | 475968.238 | 3744187.380 | 471.80 |
| LOCATION | L0000139 | VOLUME | 475976.481 | 3744189.796 | 471.56 |
| LOCATION | L0000140 | VOLUME | 475984.724 | 3744192.212 | 471.28 |
| LOCATION | L0000141 | VOLUME | 475992.443 | 3744195.922 | 471.01 |
| LOCATION | L0000142 | VOLUME | 476000.045 | 3744199.923 | 471.00 |
| LOCATION | L0000143 | VOLUME | 476007.646 | 3744203.924 | 471.00 |
| LOCATION | L0000144 | VOLUME | 476015.248 | 3744207.925 | 471.00 |
| LOCATION | L0000145 | VOLUME | 476022.849 | 3744211.926 | 470.95 |
| LOCATION | L0000146 | VOLUME | 476030.451 | 3744215.926 | 470.77 |
| LOCATION | L0000147 | VOLUME | 476037.891 | 3744220.183 | 470.52 |
| LOCATION | L0000148 | VOLUME | 476044.792 | 3744225.299 | 470.19 |
| LOCATION | L0000149 | VOLUME | 476051.692 | 3744230.415 | 470.00 |
| LOCATION | L0000150 | VOLUME | 476058.592 | 3744235.531 | 470.00 |
| LOCATION | L0000151 | VOLUME | 476065.493 | 3744240.647 | 470.00 |
| LOCATION | L0000152 | VOLUME | 476072.393 | 3744245.762 | 470.00 |
| LOCATION | L0000153 | VOLUME | 476078.859 | 3744251.400 | 470.00 |
| LOCATION | L0000154 | VOLUME | 476085.131 | 3744257.269 | 469.79 |
| LOCATION | L0000155 | VOLUME | 476091.403 | 3744263.138 | 469.47 |
| LOCATION | L0000156 | VOLUME | 476097.675 | 3744269.008 | 469.23 |
| LOCATION | L0000157 | VOLUME | 476103.947 | 3744274.877 | 469.07 |
| LOCATION | L0000158 | VOLUME | 476110.219 | 3744280.746 | 469.00 |
| LOCATION | L0000159 | VOLUME | 476116.492 | 3744286.616 | 469.00 |
| LOCATION | L0000160 | VOLUME | 476122.764 | 3744292.485 | 468.91 |
| LOCATION | L0000161 | VOLUME | 476129.036 | 3744298.354 | 468.74 |
| LOCATION | L0000162 | VOLUME | 476135.308 | 3744304.223 | 468.49 |
| LOCATION | L0000163 | VOLUME | 476141.580 | 3744310.093 | 468.19 |
| LOCATION | L0000164 | VOLUME | 476147.615 | 3744316.179 | 468.00 |
| LOCATION | L0000165 | VOLUME | 476152.907 | 3744322.945 | 467.90 |
| LOCATION | L0000166 | VOLUME | 476158.200 | 3744329.711 | 467.72 |
| LOCATION | L0000167 | VOLUME | 476163.493 | 3744336.477 | 467.47 |
| LOCATION | L0000168 | VOLUME | 476168.785 | 3744343.243 | 467.13 |
| LOCATION | L0000169 | VOLUME | 476174.078 | 3744350.008 | 467.00 |
| LOCATION | L0000170 | VOLUME | 476179.370 | 3744356.774 | 467.00 |
| LOCATION | L0000171 | VOLUME | 476184.663 | 3744363.540 | 467.00 |
| LOCATION | L0000172 | VOLUME | 476189.956 | 3744370.306 | 467.00 |
| LOCATION | L0000173 | VOLUME | 476195.248 | 3744377.072 | 466.98 |
| LOCATION | L0000174 | VOLUME | 476200.541 | 3744383.838 | 466.75 |
| LOCATION | L0000175 | VOLUME | 476205.833 | 3744390.603 | 466.52 |

** End of LINE VOLUME Source ID = SLINE1

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

```
** Emission Rate = 0.0005035684
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 8
** 476211.556, 3744396.894, 466.25, 3.49, 6.51
** 476378.242, 3744632.098, 462.47, 3.49, 6.51
** 476419.748, 3744680.852, 461.80, 3.49, 6.51
** 476464.549, 3744722.358, 460.57, 3.49, 6.51
** 476515.938, 3744759.912, 460.00, 3.49, 6.51
** 476619.375, 3744804.712, 458.00, 3.49, 6.51
** 476764.978, 3744854.784, 456.98, 3.49, 6.51
** 476857.215, 3744891.020, 456.00, 3.49, 6.51
```

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** -----
LOCATION L0000176      VOLUME  476215.604 3744402.605 466.12
LOCATION L0000177      VOLUME  476223.699 3744414.027 466.00
LOCATION L0000178      VOLUME  476231.794 3744425.450 465.96
LOCATION L0000179      VOLUME  476239.889 3744436.872 465.65
LOCATION L0000180      VOLUME  476247.983 3744448.295 465.24
LOCATION L0000181      VOLUME  476256.078 3744459.717 465.03
LOCATION L0000182      VOLUME  476264.173 3744471.140 464.98
LOCATION L0000183      VOLUME  476272.268 3744482.562 464.77
LOCATION L0000184      VOLUME  476280.363 3744493.985 464.37
LOCATION L0000185      VOLUME  476288.458 3744505.407 464.03
LOCATION L0000186      VOLUME  476296.553 3744516.829 463.85
LOCATION L0000187      VOLUME  476304.648 3744528.252 463.51
LOCATION L0000188      VOLUME  476312.743 3744539.674 463.24
LOCATION L0000189      VOLUME  476320.838 3744551.097 463.00
LOCATION L0000190      VOLUME  476328.932 3744562.519 463.00
LOCATION L0000191      VOLUME  476337.027 3744573.942 463.00
LOCATION L0000192      VOLUME  476345.122 3744585.364 463.00
LOCATION L0000193      VOLUME  476353.217 3744596.787 463.00
LOCATION L0000194      VOLUME  476361.312 3744608.209 463.00
LOCATION L0000195      VOLUME  476369.407 3744619.632 462.93
LOCATION L0000196      VOLUME  476377.502 3744631.054 462.54
LOCATION L0000197      VOLUME  476386.488 3744641.784 462.11
LOCATION L0000198      VOLUME  476395.563 3744652.444 462.00
LOCATION L0000199      VOLUME  476404.639 3744663.104 462.00
LOCATION L0000200      VOLUME  476413.714 3744673.764 461.87
LOCATION L0000201      VOLUME  476423.190 3744684.040 461.56
LOCATION L0000202      VOLUME  476433.460 3744693.555 461.21
LOCATION L0000203      VOLUME  476443.730 3744703.069 460.87
LOCATION L0000204      VOLUME  476453.999 3744712.584 460.63
LOCATION L0000205      VOLUME  476464.269 3744722.099 460.62
LOCATION L0000206      VOLUME  476475.545 3744730.393 460.65
LOCATION L0000207      VOLUME  476486.848 3744738.654 460.40
LOCATION L0000208      VOLUME  476498.151 3744746.914 460.04
LOCATION L0000209      VOLUME  476509.455 3744755.174 460.00
LOCATION L0000210      VOLUME  476521.417 3744762.285 460.00
LOCATION L0000211      VOLUME  476534.263 3744767.849 459.85
LOCATION L0000212      VOLUME  476547.110 3744773.413 459.42
LOCATION L0000213      VOLUME  476559.957 3744778.977 459.00
LOCATION L0000214      VOLUME  476572.804 3744784.541 458.57
LOCATION L0000215      VOLUME  476585.650 3744790.106 458.14
LOCATION L0000216      VOLUME  476598.497 3744795.670 458.00
LOCATION L0000217      VOLUME  476611.344 3744801.234 458.00
LOCATION L0000218      VOLUME  476624.338 3744806.419 457.95
LOCATION L0000219      VOLUME  476637.577 3744810.972 457.71
LOCATION L0000220      VOLUME  476650.816 3744815.525 457.34
LOCATION L0000221      VOLUME  476664.055 3744820.077 457.11
LOCATION L0000222      VOLUME  476677.294 3744824.630 457.00
LOCATION L0000223      VOLUME  476690.533 3744829.183 457.00
LOCATION L0000224      VOLUME  476703.772 3744833.736 457.00
LOCATION L0000225      VOLUME  476717.011 3744838.289 457.00
LOCATION L0000226      VOLUME  476730.250 3744842.841 457.00
LOCATION L0000227      VOLUME  476743.489 3744847.394 457.00
LOCATION L0000228      VOLUME  476756.728 3744851.947 457.00
```


| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0000229 | VOLUME | 476769.889 | 3744856.713 | 457.00 |
| LOCATION | L0000230 | VOLUME | 476782.919 | 3744861.832 | 457.00 |
| LOCATION | L0000231 | VOLUME | 476795.950 | 3744866.951 | 456.00 |
| LOCATION | L0000232 | VOLUME | 476808.980 | 3744872.071 | 456.00 |
| LOCATION | L0000233 | VOLUME | 476822.011 | 3744877.190 | 456.00 |
| LOCATION | L0000234 | VOLUME | 476835.041 | 3744882.309 | 456.00 |
| LOCATION | L0000235 | VOLUME | 476848.072 | 3744887.428 | 456.00 |

** End of LINE VOLUME Source ID = SLINE2

** Source Parameters **

| | | | | | |
|----------|-------|-------------|-------|--------|-------|
| SRCPARAM | VOL1 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL3 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL5 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL7 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL8 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL9 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL10 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL11 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL12 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL13 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL14 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL15 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL16 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL17 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL18 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL19 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL20 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL21 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL22 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL23 | 0.000304159 | 5.000 | 30.453 | 1.400 |
| SRCPARAM | VOL24 | 0.000304159 | 5.000 | 30.453 | 1.400 |

** LINE VOLUME Source ID = SLINE1

| | | | | | |
|----------|----------|-------------|------|------|------|
| SRCPARAM | L0000001 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000002 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000003 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000004 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000005 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000006 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000007 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000008 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000009 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000010 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000011 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000012 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000013 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000014 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000015 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000016 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000017 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000018 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000019 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000020 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000021 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000022 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000023 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000024 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000025 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000026 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000027 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000028 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000029 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000030 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000031 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000032 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000033 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000034 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000035 | 0.000002878 | 3.49 | 4.00 | 3.25 |

[illegible]

[illegible]

| | | | | | |
|----------|----------|-------------|------|------|------|
| SRCPARAM | L0000168 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000169 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000170 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000171 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000172 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000173 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000174 | 0.000002878 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0000175 | 0.000002878 | 3.49 | 4.00 | 3.25 |

```
** LINE VOLUME Source ID = SLINE2
```

[illegible]

| | | | | | |
|----------|----------|-------------|------|------|------|
| SRCPARAM | L0000232 | 0.000008393 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000233 | 0.000008393 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000234 | 0.000008393 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0000235 | 0.000008393 | 3.49 | 6.51 | 3.25 |

** -----

URBANSRC ALL

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

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

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

** Saturday:

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

** Sunday:

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

** WeekDays:

| | | | | | | | | |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | 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 | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | VOL5 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

** Saturday:

| | | | | | | | | |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

** Sunday:

| | | | | | | | | |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL5 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

** WeekDays:

| | | | | | | | | |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | VOL7 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

** Saturday:

| | | | | | | | | |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

** Sunday:

| | | | | | | | | |
|----------|------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | VOL7 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
|----------|------|-------|-----|-----|-----|-----|-----|-----|

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

| | | | | | | | | |
|----------|----------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | L0000167 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000167 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000167 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000168 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000168 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000168 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000168 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000169 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000169 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000169 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000169 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000170 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000170 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000170 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000170 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000171 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000171 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000171 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000171 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000172 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000172 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000172 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000172 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000173 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000173 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000173 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000173 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000174 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000174 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000174 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000174 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000175 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000175 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000175 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000175 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

[illegible]

| | | | | | | | | |
|----------|----------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | L0000173 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000173 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000174 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000174 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000174 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000174 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000174 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000175 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000175 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000175 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000175 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

[illegible]

[illegible]

| | | | | | | | | |
|----------|----------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | L0000176 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000176 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000176 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000176 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000177 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000177 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000177 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000177 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000178 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000178 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000178 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000178 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000179 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000179 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |

| | | | | | | | | |
|----------|----------|-------|-----|-----|-----|-----|-----|-----|
| EMISFACT | L0000229 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000229 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000229 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000229 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000230 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000230 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000230 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000230 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000231 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000231 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000231 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000231 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000232 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000232 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000232 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000232 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000233 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000233 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000233 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000233 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000234 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000234 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000234 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000234 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000235 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| EMISFACT | L0000235 | HRDOW | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| EMISFACT | L0000235 | HRDOW | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| EMISFACT | L0000235 | HRDOW | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

[illegible]

[illegible]

[illegible]

SO FINISHED

* *

```
** AERMOD Receptor Pathway
*****
```

```
RE STARTING
INCLUDED "15091 Cons HRA.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 PERIOD ALL "15091 CONS HRA.AD\PE00GALL.PLT" 31

SUMMFILE "15091 Cons HRA.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 | 3768 | MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used | 0.50 |
| ME W187 | 3768 | MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET | |

*** SETUP Finishes Successfully ***

FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

MODEL SETUP OPTIONS SUMMARY

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 256 Source(s),

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

**Model Calculates PERIOD Averages Only

**This Run Includes: 256 Source(s); 1 Source Group(s); and 47 Receptor(s)
with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 256 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay Coef. =
0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.8 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 15091 Cons

HRA.err

**File for Summary of Results: 15091 Cons

HRA.sum

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| | | NUMBER | EMISSION RATE | | | BASE | RELEASE | INIT. | INIT. |
|----------|-------------|-------------|---------------|----------|-----------|----------|----------|-------|-------|
| | | URBAN | EMISSION RATE | | | | | | |
| SOURCE | PART. | (GRAMS/SEC) | X | Y | ELEV. | HEIGHT | SY | SZ | |
| SOURCE | SCALAR VARY | | | | | | | | |
| ID | CATS. | | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | | |
| (METERS) | | BY | | | | | | | |
| ----- | | | | | | | | | |
| ----- | | | | | | | | | |
| VOL1 | | 0 | 0.30416E-03 | 475367.6 | 3743682.7 | 478.1 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL3 | | 0 | 0.30416E-03 | 475255.4 | 3743684.0 | 480.6 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL5 | | 0 | 0.30416E-03 | 475140.2 | 3743684.8 | 484.4 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL7 | | 0 | 0.30416E-03 | 475257.3 | 3744055.7 | 486.4 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL8 | | 0 | 0.30416E-03 | 475373.8 | 3744055.1 | 482.3 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL9 | | 0 | 0.30416E-03 | 475492.1 | 3744055.7 | 481.9 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL10 | | 0 | 0.30416E-03 | 475604.8 | 3744057.6 | 478.9 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL11 | | 0 | 0.30416E-03 | 475713.1 | 3744058.8 | 476.7 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL12 | | 0 | 0.30416E-03 | 475604.3 | 3743955.3 | 479.0 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL13 | | 0 | 0.30416E-03 | 475712.6 | 3743956.6 | 477.2 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL14 | | 0 | 0.30416E-03 | 475256.8 | 3743953.5 | 485.8 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL15 | | 0 | 0.30416E-03 | 475373.2 | 3743952.8 | 483.5 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL16 | | 0 | 0.30416E-03 | 475491.6 | 3743953.5 | 481.6 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL17 | | 0 | 0.30416E-03 | 475603.0 | 3743859.0 | 478.7 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL18 | | 0 | 0.30416E-03 | 475711.3 | 3743860.3 | 476.3 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL19 | | 0 | 0.30416E-03 | 475255.5 | 3743857.1 | 483.5 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL20 | | 0 | 0.30416E-03 | 475372.0 | 3743856.5 | 481.0 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL21 | | 0 | 0.30416E-03 | 475490.3 | 3743857.1 | 478.8 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL22 | | 0 | 0.30416E-03 | 475365.5 | 3743561.1 | 476.8 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL23 | | 0 | 0.30416E-03 | 475253.4 | 3743562.4 | 481.6 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| VOL24 | | 0 | 0.30416E-03 | 475138.1 | 3743563.2 | 486.4 | 5.00 | 30.45 | 1.40 |
| YES | HRDOW | | | | | | | | |
| L0000001 | | 0 | 0.28780E-05 | 475181.8 | 3743763.4 | 484.1 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000002 | | 0 | 0.28780E-05 | 475181.9 | 3743772.0 | 484.7 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000003 | | 0 | 0.28780E-05 | 475181.9 | 3743780.6 | 485.1 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000004 | | 0 | 0.28780E-05 | 475182.0 | 3743789.2 | 485.3 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000005 | | 0 | 0.28780E-05 | 475182.1 | 3743797.8 | 485.6 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000006 | | 0 | 0.28780E-05 | 475182.1 | 3743806.4 | 485.9 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000007 | | 0 | 0.28780E-05 | 475182.2 | 3743815.0 | 485.9 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000008 | | 0 | 0.28780E-05 | 475182.2 | 3743823.6 | 485.9 | 3.49 | 4.00 | 3.25 |

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YES   HRDOW
L0000009      0    0.28780E-05  475182.3  3743832.2   485.9    3.49    4.00    3.25
YES   HRDOW
L0000010      0    0.28780E-05  475182.3  3743840.7   486.1    3.49    4.00    3.25
YES   HRDOW
L0000011      0    0.28780E-05  475182.4  3743849.3   486.4    3.49    4.00    3.25
YES   HRDOW
L0000012      0    0.28780E-05  475182.5  3743857.9   486.6    3.49    4.00    3.25
YES   HRDOW
L0000013      0    0.28780E-05  475182.5  3743866.5   486.9    3.49    4.00    3.25
YES   HRDOW
L0000014      0    0.28780E-05  475182.6  3743875.1   486.9    3.49    4.00    3.25
YES   HRDOW
L0000015      0    0.28780E-05  475182.6  3743883.7   486.9    3.49    4.00    3.25
YES   HRDOW
L0000016      0    0.28780E-05  475182.7  3743892.3   486.9    3.49    4.00    3.25
YES   HRDOW
L0000017      0    0.28780E-05  475182.7  3743900.9   487.2    3.49    4.00    3.25
YES   HRDOW
L0000018      0    0.28780E-05  475182.8  3743909.5   487.7    3.49    4.00    3.25
YES   HRDOW
L0000019      0    0.28780E-05  475182.9  3743918.1   488.3    3.49    4.00    3.25
YES   HRDOW
*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29

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PAGE 3
*** 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          ELEV.      HEIGHT      SY      SZ
(METERS)   SCALAR VARY      (METERS) (METERS) (METERS) (METERS) (METERS)
          CATS.      BY
-----
L0000020      0    0.28780E-05  475182.9  3743926.6   488.8    3.49    4.00    3.25
YES   HRDOW
L0000021      0    0.28780E-05  475183.0  3743935.2   488.5    3.49    4.00    3.25
YES   HRDOW
L0000022      0    0.28780E-05  475183.0  3743943.8   488.3    3.49    4.00    3.25
YES   HRDOW
L0000023      0    0.28780E-05  475183.1  3743952.4   488.0    3.49    4.00    3.25
YES   HRDOW
L0000024      0    0.28780E-05  475183.1  3743961.0   487.9    3.49    4.00    3.25
YES   HRDOW
L0000025      0    0.28780E-05  475183.2  3743969.6   487.9    3.49    4.00    3.25
YES   HRDOW
L0000026      0    0.28780E-05  475183.3  3743978.2   488.0    3.49    4.00    3.25
YES   HRDOW
L0000027      0    0.28780E-05  475183.3  3743986.8   488.0    3.49    4.00    3.25
YES   HRDOW
L0000028      0    0.28780E-05  475183.4  3743995.4   488.3    3.49    4.00    3.25
YES   HRDOW
L0000029      0    0.28780E-05  475183.4  3744004.0   488.5    3.49    4.00    3.25
YES   HRDOW
L0000030      0    0.28780E-05  475183.5  3744012.5   488.8    3.49    4.00    3.25
YES   HRDOW
L0000031      0    0.28780E-05  475183.6  3744021.1   488.7    3.49    4.00    3.25

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FF *** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                    08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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*** VOLUME SOURCE DATA ***

| SOURCE | | NUMBER | EMISSION RATE | | | BASE | RELEASE | INIT. | INIT. |
|----------|-------|-------------|---------------|----------|-----------|----------|----------|----------|-------|
| SOURCE | | URBAN | EMISSION RATE | X | Y | ELEV. | HEIGHT | SY | SZ |
| ID | | PART. | (GRAMS/SEC) | | | | | | |
| (METERS) | | SCALAR VARY | | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | |
| | | CATS. | BY | | | | | | |
| ----- | | | | | | | | | |
| ----- | | | | | | | | | |
| L0000060 | | 0 | 0.28780E-05 | 475302.2 | 3744152.7 | 485.3 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000061 | | 0 | 0.28780E-05 | 475310.8 | 3744152.7 | 484.9 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000062 | | 0 | 0.28780E-05 | 475319.4 | 3744152.7 | 484.5 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000063 | | 0 | 0.28780E-05 | 475328.0 | 3744152.7 | 484.1 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000064 | | 0 | 0.28780E-05 | 475336.6 | 3744152.7 | 483.6 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000065 | | 0 | 0.28780E-05 | 475345.2 | 3744152.7 | 483.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000066 | | 0 | 0.28780E-05 | 475353.7 | 3744152.8 | 482.4 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000067 | | 0 | 0.28780E-05 | 475362.3 | 3744152.8 | 481.9 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000068 | | 0 | 0.28780E-05 | 475370.9 | 3744152.8 | 481.6 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000069 | | 0 | 0.28780E-05 | 475379.5 | 3744152.8 | 481.3 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000070 | | 0 | 0.28780E-05 | 475388.1 | 3744152.8 | 481.1 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000071 | | 0 | 0.28780E-05 | 475396.7 | 3744152.8 | 481.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000072 | | 0 | 0.28780E-05 | 475405.3 | 3744152.8 | 481.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000073 | | 0 | 0.28780E-05 | 475413.9 | 3744152.9 | 481.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000074 | | 0 | 0.28780E-05 | 475422.5 | 3744152.9 | 480.9 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000075 | | 0 | 0.28780E-05 | 475431.1 | 3744152.9 | 480.6 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000076 | | 0 | 0.28780E-05 | 475439.6 | 3744152.9 | 480.3 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000077 | | 0 | 0.28780E-05 | 475448.2 | 3744152.9 | 480.1 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000078 | | 0 | 0.28780E-05 | 475456.8 | 3744152.9 | 480.1 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000079 | | 0 | 0.28780E-05 | 475465.4 | 3744153.0 | 480.2 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000080 | | 0 | 0.28780E-05 | 475474.0 | 3744153.0 | 480.4 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000081 | | 0 | 0.28780E-05 | 475482.6 | 3744153.0 | 480.4 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000082 | | 0 | 0.28780E-05 | 475491.2 | 3744153.0 | 480.4 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000083 | | 0 | 0.28780E-05 | 475499.8 | 3744153.0 | 480.4 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000084 | | 0 | 0.28780E-05 | 475508.4 | 3744153.0 | 480.4 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000085 | | 0 | 0.28780E-05 | 475517.0 | 3744153.0 | 480.3 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000086 | | 0 | 0.28780E-05 | 475525.5 | 3744153.1 | 480.2 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000087 | | 0 | 0.28780E-05 | 475534.1 | 3744153.1 | 480.1 | 3.49 | 4.00 | 3.25 |

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YES   HRDOW
L0000088      0    0.28780E-05  475542.7 3744153.1   479.9    3.49    4.00    3.25
YES   HRDOW
L0000089      0    0.28780E-05  475551.3 3744153.1   479.6    3.49    4.00    3.25
YES   HRDOW
L0000090      0    0.28780E-05  475559.9 3744153.1   479.3    3.49    4.00    3.25
YES   HRDOW
L0000091      0    0.28780E-05  475568.5 3744153.1   479.0    3.49    4.00    3.25
YES   HRDOW
L0000092      0    0.28780E-05  475577.1 3744153.2   479.0    3.49    4.00    3.25
YES   HRDOW
L0000093      0    0.28780E-05  475585.7 3744153.2   479.0    3.49    4.00    3.25
YES   HRDOW
L0000094      0    0.28780E-05  475594.3 3744153.2   479.0    3.49    4.00    3.25
YES   HRDOW
L0000095      0    0.28780E-05  475602.9 3744153.3   478.9    3.49    4.00    3.25
YES   HRDOW
L0000096      0    0.28780E-05  475611.4 3744153.3   478.6    3.49    4.00    3.25
YES   HRDOW
L0000097      0    0.28780E-05  475620.0 3744153.4   478.3    3.49    4.00    3.25
YES   HRDOW
L0000098      0    0.28780E-05  475628.6 3744153.4   478.0    3.49    4.00    3.25
YES   HRDOW
L0000099      0    0.28780E-05  475637.2 3744153.4   477.8    3.49    4.00    3.25
YES   HRDOW
*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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PAGE      5
*** MODELOPTs:      RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE      NUMBER EMISSION RATE      BASE      RELEASE      INIT.      INIT.
SOURCE      PART.  EMISSION RATE      ELEV.      HEIGHT      SY      SZ
ID          SCALAR VARY      X          Y          (METERS) (METERS) (METERS) (METERS) (METERS)
(METERS)    CATS.      (METERS) (METERS) (METERS) (METERS) (METERS)
BY
-----
L0000100      0    0.28780E-05  475645.8 3744153.5   477.5    3.49    4.00    3.25
YES   HRDOW
L0000101      0    0.28780E-05  475654.4 3744153.5   477.2    3.49    4.00    3.25
YES   HRDOW
L0000102      0    0.28780E-05  475663.0 3744153.5   477.0    3.49    4.00    3.25
YES   HRDOW
L0000103      0    0.28780E-05  475671.6 3744153.6   476.8    3.49    4.00    3.25
YES   HRDOW
L0000104      0    0.28780E-05  475680.2 3744153.6   476.7    3.49    4.00    3.25
YES   HRDOW
L0000105      0    0.28780E-05  475688.8 3744153.6   476.6    3.49    4.00    3.25
YES   HRDOW
L0000106      0    0.28780E-05  475697.3 3744153.7   476.4    3.49    4.00    3.25
YES   HRDOW
L0000107      0    0.28780E-05  475705.9 3744153.7   476.3    3.49    4.00    3.25
YES   HRDOW
L0000108      0    0.28780E-05  475714.5 3744153.8   476.1    3.49    4.00    3.25
YES   HRDOW
L0000109      0    0.28780E-05  475723.1 3744153.8   475.9    3.49    4.00    3.25
YES   HRDOW
L0000110      0    0.28780E-05  475731.7 3744153.9   475.6    3.49    4.00    3.25

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| | | | | | | | | | |
|----------|-------|---|-------------|----------|-----------|-------|------|------|------|
| YES | HRDOW | | | | | | | | |
| L0000111 | | 0 | 0.28780E-05 | 475740.3 | 3744153.9 | 475.3 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000112 | | 0 | 0.28780E-05 | 475748.9 | 3744154.0 | 475.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000113 | | 0 | 0.28780E-05 | 475757.5 | 3744154.1 | 475.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000114 | | 0 | 0.28780E-05 | 475766.1 | 3744154.1 | 475.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000115 | | 0 | 0.28780E-05 | 475774.7 | 3744154.2 | 475.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000116 | | 0 | 0.28780E-05 | 475783.2 | 3744154.2 | 474.9 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000117 | | 0 | 0.28780E-05 | 475791.8 | 3744154.3 | 474.6 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000118 | | 0 | 0.28780E-05 | 475800.4 | 3744154.4 | 474.3 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000119 | | 0 | 0.28780E-05 | 475809.0 | 3744154.4 | 474.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000120 | | 0 | 0.28780E-05 | 475817.5 | 3744155.6 | 473.8 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000121 | | 0 | 0.28780E-05 | 475826.0 | 3744156.7 | 473.6 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000122 | | 0 | 0.28780E-05 | 475834.5 | 3744157.9 | 473.4 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000123 | | 0 | 0.28780E-05 | 475843.1 | 3744159.0 | 473.2 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000124 | | 0 | 0.28780E-05 | 475851.6 | 3744160.2 | 473.2 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000125 | | 0 | 0.28780E-05 | 475860.1 | 3744161.3 | 473.2 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000126 | | 0 | 0.28780E-05 | 475868.6 | 3744162.5 | 473.1 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000127 | | 0 | 0.28780E-05 | 475877.1 | 3744163.6 | 473.1 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000128 | | 0 | 0.28780E-05 | 475885.6 | 3744164.8 | 473.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000129 | | 0 | 0.28780E-05 | 475894.1 | 3744165.9 | 473.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000130 | | 0 | 0.28780E-05 | 475902.6 | 3744167.1 | 472.9 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000131 | | 0 | 0.28780E-05 | 475911.0 | 3744169.1 | 472.6 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000132 | | 0 | 0.28780E-05 | 475919.1 | 3744171.8 | 472.3 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000133 | | 0 | 0.28780E-05 | 475927.3 | 3744174.5 | 472.1 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000134 | | 0 | 0.28780E-05 | 475935.4 | 3744177.3 | 472.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000135 | | 0 | 0.28780E-05 | 475943.6 | 3744180.0 | 472.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000136 | | 0 | 0.28780E-05 | 475951.8 | 3744182.5 | 472.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000137 | | 0 | 0.28780E-05 | 475960.0 | 3744185.0 | 472.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000138 | | 0 | 0.28780E-05 | 475968.2 | 3744187.4 | 471.8 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000139 | | 0 | 0.28780E-05 | 475976.5 | 3744189.8 | 471.6 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
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*** 10:45:29

*** VOLUME SOURCE DATA ***

| SOURCE | | NUMBER | EMISSION RATE | | | BASE | RELEASE | INIT. | INIT. |
|----------|-------|-------------|---------------|----------|-----------|----------|----------|----------|----------|
| SOURCE | | URBAN | EMISSION RATE | | | ELEV. | HEIGHT | SY | SZ |
| SOURCE | | PART. | (GRAMS/SEC) | X | Y | (METERS) | (METERS) | (METERS) | (METERS) |
| ID | | SCALAR VARY | CATS. | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
| (METERS) | | | BY | | | | | | |
| ----- | | | | | | | | | |
| ----- | | | | | | | | | |
| L0000140 | | 0 | 0.28780E-05 | 475984.7 | 3744192.2 | 471.3 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000141 | | 0 | 0.28780E-05 | 475992.4 | 3744195.9 | 471.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000142 | | 0 | 0.28780E-05 | 476000.0 | 3744199.9 | 471.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000143 | | 0 | 0.28780E-05 | 476007.6 | 3744203.9 | 471.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000144 | | 0 | 0.28780E-05 | 476015.2 | 3744207.9 | 471.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000145 | | 0 | 0.28780E-05 | 476022.8 | 3744211.9 | 470.9 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000146 | | 0 | 0.28780E-05 | 476030.5 | 3744215.9 | 470.8 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000147 | | 0 | 0.28780E-05 | 476037.9 | 3744220.2 | 470.5 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000148 | | 0 | 0.28780E-05 | 476044.8 | 3744225.3 | 470.2 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000149 | | 0 | 0.28780E-05 | 476051.7 | 3744230.4 | 470.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000150 | | 0 | 0.28780E-05 | 476058.6 | 3744235.5 | 470.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000151 | | 0 | 0.28780E-05 | 476065.5 | 3744240.6 | 470.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000152 | | 0 | 0.28780E-05 | 476072.4 | 3744245.8 | 470.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000153 | | 0 | 0.28780E-05 | 476078.9 | 3744251.4 | 470.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000154 | | 0 | 0.28780E-05 | 476085.1 | 3744257.3 | 469.8 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000155 | | 0 | 0.28780E-05 | 476091.4 | 3744263.1 | 469.5 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000156 | | 0 | 0.28780E-05 | 476097.7 | 3744269.0 | 469.2 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000157 | | 0 | 0.28780E-05 | 476103.9 | 3744274.9 | 469.1 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000158 | | 0 | 0.28780E-05 | 476110.2 | 3744280.7 | 469.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000159 | | 0 | 0.28780E-05 | 476116.5 | 3744286.6 | 469.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000160 | | 0 | 0.28780E-05 | 476122.8 | 3744292.5 | 468.9 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000161 | | 0 | 0.28780E-05 | 476129.0 | 3744298.4 | 468.7 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000162 | | 0 | 0.28780E-05 | 476135.3 | 3744304.2 | 468.5 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000163 | | 0 | 0.28780E-05 | 476141.6 | 3744310.1 | 468.2 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000164 | | 0 | 0.28780E-05 | 476147.6 | 3744316.2 | 468.0 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000165 | | 0 | 0.28780E-05 | 476152.9 | 3744322.9 | 467.9 | 3.49 | 4.00 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000166 | | 0 | 0.28780E-05 | 476158.2 | 3744329.7 | 467.7 | 3.49 | 4.00 | 3.25 |

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YES  HRDOW
L0000167      0    0.28780E-05  476163.5  3744336.5   467.5    3.49    4.00    3.25
YES  HRDOW
L0000168      0    0.28780E-05  476168.8  3744343.2   467.1    3.49    4.00    3.25
YES  HRDOW
L0000169      0    0.28780E-05  476174.1  3744350.0   467.0    3.49    4.00    3.25
YES  HRDOW
L0000170      0    0.28780E-05  476179.4  3744356.8   467.0    3.49    4.00    3.25
YES  HRDOW
L0000171      0    0.28780E-05  476184.7  3744363.5   467.0    3.49    4.00    3.25
YES  HRDOW
L0000172      0    0.28780E-05  476190.0  3744370.3   467.0    3.49    4.00    3.25
YES  HRDOW
L0000173      0    0.28780E-05  476195.2  3744377.1   467.0    3.49    4.00    3.25
YES  HRDOW
L0000174      0    0.28780E-05  476200.5  3744383.8   466.8    3.49    4.00    3.25
YES  HRDOW
L0000175      0    0.28780E-05  476205.8  3744390.6   466.5    3.49    4.00    3.25
YES  HRDOW
L0000176      0    0.83930E-05  476215.6  3744402.6   466.1    3.49    6.51    3.25
YES  HRDOW
L0000177      0    0.83930E-05  476223.7  3744414.0   466.0    3.49    6.51    3.25
YES  HRDOW
L0000178      0    0.83930E-05  476231.8  3744425.4   466.0    3.49    6.51    3.25
YES  HRDOW
L0000179      0    0.83930E-05  476239.9  3744436.9   465.7    3.49    6.51    3.25
YES  HRDOW
*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                08/21/23
*** AERMET - VERSION 16216 ***
***                                     ***                10:45:29
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PAGE 7

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE | NUMBER | EMISSION | RATE | | | BASE | RELEASE | INIT. | INIT. |
|-----------|-------------|-------------|----------|-----------|----------|----------|----------|-------|-------|
| SOURCE | URBAN | EMISSION | RATE | | | | | | |
| ID | PART. | (GRAMS/SEC) | X | Y | ELEV. | HEIGHT | SY | SZ | |
| (METERS) | SCALAR VARY | | | | | | | | |
| | CATS. | | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | | |
| | | BY | | | | | | | |
| L0000180 | 0 | 0.83930E-05 | 476248.0 | 3744448.3 | 465.2 | 3.49 | 6.51 | 3.25 | |
| YES HRDOW | | | | | | | | | |
| L0000181 | 0 | 0.83930E-05 | 476256.1 | 3744459.7 | 465.0 | 3.49 | 6.51 | 3.25 | |
| YES HRDOW | | | | | | | | | |
| L0000182 | 0 | 0.83930E-05 | 476264.2 | 3744471.1 | 465.0 | 3.49 | 6.51 | 3.25 | |
| YES HRDOW | | | | | | | | | |
| L0000183 | 0 | 0.83930E-05 | 476272.3 | 3744482.6 | 464.8 | 3.49 | 6.51 | 3.25 | |
| YES HRDOW | | | | | | | | | |
| L0000184 | 0 | 0.83930E-05 | 476280.4 | 3744494.0 | 464.4 | 3.49 | 6.51 | 3.25 | |
| YES HRDOW | | | | | | | | | |
| L0000185 | 0 | 0.83930E-05 | 476288.5 | 3744505.4 | 464.0 | 3.49 | 6.51 | 3.25 | |
| YES HRDOW | | | | | | | | | |
| L0000186 | 0 | 0.83930E-05 | 476296.6 | 3744516.8 | 463.9 | 3.49 | 6.51 | 3.25 | |
| YES HRDOW | | | | | | | | | |
| L0000187 | 0 | 0.83930E-05 | 476304.6 | 3744528.3 | 463.5 | 3.49 | 6.51 | 3.25 | |
| YES HRDOW | | | | | | | | | |
| L0000188 | 0 | 0.83930E-05 | 476312.7 | 3744539.7 | 463.2 | 3.49 | 6.51 | 3.25 | |
| YES HRDOW | | | | | | | | | |
| L0000189 | 0 | 0.83930E-05 | 476320.8 | 3744551.1 | 463.0 | 3.49 | 6.51 | 3.25 | |

| | | | | | | | | | |
|----------|-------|---|-------------|----------|-----------|-------|------|------|------|
| YES | HRDOW | | | | | | | | |
| L0000190 | | 0 | 0.83930E-05 | 476328.9 | 3744562.5 | 463.0 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000191 | | 0 | 0.83930E-05 | 476337.0 | 3744573.9 | 463.0 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000192 | | 0 | 0.83930E-05 | 476345.1 | 3744585.4 | 463.0 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000193 | | 0 | 0.83930E-05 | 476353.2 | 3744596.8 | 463.0 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000194 | | 0 | 0.83930E-05 | 476361.3 | 3744608.2 | 463.0 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000195 | | 0 | 0.83930E-05 | 476369.4 | 3744619.6 | 462.9 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000196 | | 0 | 0.83930E-05 | 476377.5 | 3744631.1 | 462.5 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000197 | | 0 | 0.83930E-05 | 476386.5 | 3744641.8 | 462.1 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000198 | | 0 | 0.83930E-05 | 476395.6 | 3744652.4 | 462.0 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000199 | | 0 | 0.83930E-05 | 476404.6 | 3744663.1 | 462.0 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000200 | | 0 | 0.83930E-05 | 476413.7 | 3744673.8 | 461.9 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000201 | | 0 | 0.83930E-05 | 476423.2 | 3744684.0 | 461.6 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000202 | | 0 | 0.83930E-05 | 476433.5 | 3744693.6 | 461.2 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000203 | | 0 | 0.83930E-05 | 476443.7 | 3744703.1 | 460.9 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000204 | | 0 | 0.83930E-05 | 476454.0 | 3744712.6 | 460.6 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000205 | | 0 | 0.83930E-05 | 476464.3 | 3744722.1 | 460.6 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000206 | | 0 | 0.83930E-05 | 476475.5 | 3744730.4 | 460.7 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000207 | | 0 | 0.83930E-05 | 476486.8 | 3744738.7 | 460.4 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000208 | | 0 | 0.83930E-05 | 476498.2 | 3744746.9 | 460.0 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000209 | | 0 | 0.83930E-05 | 476509.5 | 3744755.2 | 460.0 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000210 | | 0 | 0.83930E-05 | 476521.4 | 3744762.3 | 460.0 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000211 | | 0 | 0.83930E-05 | 476534.3 | 3744767.8 | 459.9 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000212 | | 0 | 0.83930E-05 | 476547.1 | 3744773.4 | 459.4 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000213 | | 0 | 0.83930E-05 | 476560.0 | 3744779.0 | 459.0 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000214 | | 0 | 0.83930E-05 | 476572.8 | 3744784.5 | 458.6 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000215 | | 0 | 0.83930E-05 | 476585.6 | 3744790.1 | 458.1 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000216 | | 0 | 0.83930E-05 | 476598.5 | 3744795.7 | 458.0 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000217 | | 0 | 0.83930E-05 | 476611.3 | 3744801.2 | 458.0 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000218 | | 0 | 0.83930E-05 | 476624.3 | 3744806.4 | 457.9 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |
| L0000219 | | 0 | 0.83930E-05 | 476637.6 | 3744811.0 | 457.7 | 3.49 | 6.51 | 3.25 |
| YES | HRDOW | | | | | | | | |

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

| | | | | | | | | |
|-----------|---|-------------|----------|-----------|-------|------|------|------|
| L0000220 | 0 | 0.83930E-05 | 476650.8 | 3744815.5 | 457.3 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | | | | | | | | |
| L0000221 | 0 | 0.83930E-05 | 476664.1 | 3744820.1 | 457.1 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | | | | | | | | |
| L0000222 | 0 | 0.83930E-05 | 476677.3 | 3744824.6 | 457.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | | | | | | | | |
| L0000223 | 0 | 0.83930E-05 | 476690.5 | 3744829.2 | 457.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | | | | | | | | |
| L0000224 | 0 | 0.83930E-05 | 476703.8 | 3744833.7 | 457.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | | | | | | | | |
| L0000225 | 0 | 0.83930E-05 | 476717.0 | 3744838.3 | 457.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | | | | | | | | |
| L0000226 | 0 | 0.83930E-05 | 476730.2 | 3744842.8 | 457.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | | | | | | | | |
| L0000227 | 0 | 0.83930E-05 | 476743.5 | 3744847.4 | 457.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | | | | | | | | |
| L0000228 | 0 | 0.83930E-05 | 476756.7 | 3744851.9 | 457.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | | | | | | | | |
| L0000229 | 0 | 0.83930E-05 | 476769.9 | 3744856.7 | 457.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | | | | | | | | |
| L0000230 | 0 | 0.83930E-05 | 476782.9 | 3744861.8 | 457.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | | | | | | | | |
| L0000231 | 0 | 0.83930E-05 | 476796.0 | 3744867.0 | 456.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | | | | | | | | |
| L0000232 | 0 | 0.83930E-05 | 476809.0 | 3744872.1 | 456.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | | | | | | | | |
| L0000233 | 0 | 0.83930E-05 | 476822.0 | 3744877.2 | 456.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | | | | | | | | |
| L0000234 | 0 | 0.83930E-05 | 476835.0 | 3744882.3 | 456.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | | | | | | | | |
| L0000235 | 0 | 0.83930E-05 | 476848.1 | 3744887.4 | 456.0 | 3.49 | 6.51 | 3.25 |
| YES HRDOW | | | | | | | | |

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 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***
 *** *** 10:45:29

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

| | | | | | | | |
|-------|---------|---------|---------|---------|---------|---------|---|
| ALL | VOL1 | , VOL3 | , VOL5 | , VOL7 | , VOL8 | , VOL9 | , |
| VOL10 | , VOL11 | , | | | | | |
| | VOL12 | , VOL13 | , VOL14 | , VOL15 | , VOL16 | , VOL17 | , |


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MVCC\15091 MVC ***                      08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29

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SRCGROUP ID

SOURCE IDs

| | | | | | | |
|----------|------------|------------|------------|------------|------------|---|
| 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 | , | | | | |

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MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID

URBAN POP

SOURCE IDs

| | | | | | | | |
|-------|----------|------------|------------|------------|------------|------------|---|
| | 2189641. | VOL1 | , VOL3 | , VOL5 | , VOL7 | , VOL8 | , |
| | VOL9 | , VOL10 | , | | | | |
| VOL11 | , | | | | | | |
| | VOL12 | , VOL13 | , VOL14 | , VOL15 | , VOL16 | , VOL17 | , |
| | VOL18 | , VOL19 | , | | | | |
| | VOL20 | , VOL21 | , VOL22 | , VOL23 | , VOL24 | , 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 | , | 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 | , | | | | | | | | |

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MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

| URBAN ID | URBAN POP | SOURCE IDs |
|----------|-----------|--|
| ----- | ----- | ----- |
| 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 | , | | | | | | | | |

*** AERMOD - VERSION 22112 ***
 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***

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 *** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

| SOURCE ID = VOL1 | | ; SOURCE TYPE = VOLUME | | : | | | | | | | |
|------------------------|-----------|------------------------|-----------|--------|-----------|--------|-----------|--------|-----------|--------|--------|
| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |
| 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

```
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
-----
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
-----
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

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DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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* 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 |
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***
 *** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

| | | | | | | | | | | | |
|-------------------|--------|--------|--------|------------------------|--------|------|--------|------|--------|------|--------|
| SOURCE ID = VOL11 | | | | ; SOURCE TYPE = VOLUME | | | | | | | |
| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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

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1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

```
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
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                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
***
10:45:29

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                                PAGE 25
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL16 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
***
10:45:29

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                                PAGE 26
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

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- - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
***
                                PAGE 27
*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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***
                                PAGE 28
*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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                                PAGE 32
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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                                PAGE 33
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
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.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000002 ; SOURCE TYPE = VOLUME :

```


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

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***
 *** *** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

| SOURCE ID | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|-----------|-----------|-----------|-----------|-----------|------|-----------|------|-----------|------|--------|
| SOURCE ID = L0000003 ; SOURCE TYPE = VOLUME : | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | |
| .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 | | | | | | | |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | |
| .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 | | | | | | | |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | |
| .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 | | | | | | | |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | |
| .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 | | | | | | | |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | |
| .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 | | | | | | | |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | |
| .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 | | | | | | | |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | |
| .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 | | | | | | | |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | |
| .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 | | | | | | | |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | |
| .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 | | | | | | | |

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***
 *** *** 10:45:29

*** 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 | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

*** 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 | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000006 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000007 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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.0000E+00      7 .0000E+00      8 .0000E+00
9 .0000E+00     10 .0000E+00     11 .0000E+00     12 .0000E+00     13 .0000E+00     14
.0000E+00     15 .0000E+00     16 .0000E+00
17 .0000E+00     18 .0000E+00     19 .0000E+00     20 .0000E+00     21 .0000E+00     22
.0000E+00     23 .0000E+00     24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00      2 .0000E+00      3 .0000E+00      4 .0000E+00      5 .0000E+00      6
.0000E+00      7 .0000E+00      8 .0000E+00
9 .0000E+00     10 .0000E+00     11 .0000E+00     12 .0000E+00     13 .0000E+00     14
.0000E+00     15 .0000E+00     16 .0000E+00
17 .0000E+00     18 .0000E+00     19 .0000E+00     20 .0000E+00     21 .0000E+00     22
.0000E+00     23 .0000E+00     24 .0000E+00
*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***
***                                     ***      10:45:29
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PAGE 41
*** 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 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***
***                                     ***      10:45:29
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PAGE 42
*** MODELOPTs:  RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

SOURCE ID = L0000009      ; SOURCE TYPE = VOLUME      :
HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
SCALAR  HOUR  SCALAR  HOUR  SCALAR
-----
                                DAY OF WEEK = WEEKDAY
```

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000010 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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PAGE 44
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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(HRDOW) *

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000013 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091

MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000014 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***
 *** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000015 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***
 *** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000016 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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


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.0000E+00  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000017 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000018 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

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- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000019 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000020 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000024 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000025 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
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9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000026 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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SOURCE ID = 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 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***
***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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SOURCE ID = 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 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***

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10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *SOURCE ID = L0000029 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *SOURCE ID = L0000030 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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


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.0000E+00      7 .0000E+00      8 .0000E+00
9 .0000E+00     10 .0000E+00     11 .0000E+00     12 .0000E+00     13 .0000E+00     14
.0000E+00     15 .0000E+00     16 .0000E+00
17 .0000E+00     18 .0000E+00     19 .0000E+00     20 .0000E+00     21 .0000E+00     22
.0000E+00     23 .0000E+00     24 .0000E+00
*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***
***                                     ***      10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

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

```
1 .0000E+00      2 .0000E+00      3 .0000E+00      4 .0000E+00      5 .0000E+00      6
.0000E+00      7 .0000E+00      8 .0000E+00
9 .0000E+00     10 .0000E+00     11 .0000E+00     12 .0000E+00     13 .0000E+00     14
.0000E+00     15 .0000E+00     16 .0000E+00
17 .0000E+00     18 .0000E+00     19 .0000E+00     20 .0000E+00     21 .0000E+00     22
.0000E+00     23 .0000E+00     24 .0000E+00
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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***
***                                     ***      10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

```

1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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                                PAGE 66
*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000033      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
-----
                                DAY OF WEEK = WEEKDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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                                PAGE 67
*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000033      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
-----
-----
```

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                                DAY OF WEEK = WEEKDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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                                PAGE 68
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000035 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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                                PAGE 69
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000038 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000039 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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.0000E+00  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00  14
.0000E+00  15 .0000E+00  16 .0000E+00
17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00  22
.0000E+00  23 .0000E+00  24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000040 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .1000E+01  10 .1000E+01  11 .1000E+01  12 .1000E+01  13 .1000E+01  14
.1000E+01  15 .1000E+01  16 .1000E+01
17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00  22
.0000E+00  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00  14
.0000E+00  15 .0000E+00  16 .0000E+00
17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00  22
.0000E+00  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00  10 .0000E+00  11 .0000E+00  12 .0000E+00  13 .0000E+00  14
.0000E+00  15 .0000E+00  16 .0000E+00
17 .0000E+00  18 .0000E+00  19 .0000E+00  20 .0000E+00  21 .0000E+00  22
.0000E+00  23 .0000E+00  24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000041 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .1000E+01  10 .1000E+01  11 .1000E+01  12 .1000E+01  13 .1000E+01  14
.1000E+01  15 .1000E+01  16 .1000E+01

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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                                *** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000042 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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                                *** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000043 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR

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SCALAR  HOUR  SCALAR  HOUR  SCALAR
-----
                                     DAY OF WEEK = WEEKDAY
  1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
  .0000E+00  7  .0000E+00  8  .0000E+00
  9  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
  .1000E+01 15  .1000E+01 16  .1000E+01
 17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
  .0000E+00 23  .0000E+00 24  .0000E+00
                                     DAY OF WEEK = SATURDAY
  1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
  .0000E+00  7  .0000E+00  8  .0000E+00
  9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
  .0000E+00 15  .0000E+00 16  .0000E+00
 17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
  .0000E+00 23  .0000E+00 24  .0000E+00
                                     DAY OF WEEK = SUNDAY
  1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
  .0000E+00  7  .0000E+00  8  .0000E+00
  9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
  .0000E+00 15  .0000E+00 16  .0000E+00
 17  .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
  .0000E+00 23  .0000E+00 24  .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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                                     ***
                                     10:45:29

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*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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                                     10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000045 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

*** 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 | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000047 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000048 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000049 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
-----
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000050 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
-----
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

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.0000E+00    7 .0000E+00    8 .0000E+00
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00    6
.0000E+00    7 .0000E+00    8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
.0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00    6
.0000E+00    7 .0000E+00    8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
.0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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                                PAGE 84
*** MODELOPTs:      RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

SOURCE ID = L0000051      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00    6
.0000E+00    7 .0000E+00    8 .0000E+00
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00    6
.0000E+00    7 .0000E+00    8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
.0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00    6
.0000E+00    7 .0000E+00    8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
.0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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                                PAGE 85
*** MODELOPTs:      RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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SOURCE ID = 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 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000053 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000055 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

```
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000056 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000057 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |

DAY OF WEEK = WEEKDAY

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

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                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000058 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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                                PAGE 92
*** MODELOPTs:  RegDFAULT 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
- - - - -

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- - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
***
                                PAGE 93
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000060 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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***
                                PAGE 94
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000061 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000062 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000063 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000064 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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                                PAGE 98
*** 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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                                PAGE 99
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000066 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
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.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000067 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000068 ; SOURCE TYPE = VOLUME :

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

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***
 *** *** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

| SOURCE ID | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
|---|-----------|-----------|-----------|-----------|-----------|------|-----------|------|-----------|------|--------|
| SOURCE ID = L0000069 ; SOURCE TYPE = VOLUME : | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | |
| .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 | | | | | | | |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 | |
| .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 | | | | | | | |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | |
| .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 | | | | | | | |
| DAY OF WEEK = SATURDAY | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | |
| .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 | | | | | | | |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | |
| .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 | | | | | | | |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | |
| .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 | | | | | | | |
| DAY OF WEEK = SUNDAY | | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | |
| .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 | | | | | | | |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 | |
| .0000E+00 | 15 | .0000E+00 | 16 | .0000E+00 | | | | | | | |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 | |
| .0000E+00 | 23 | .0000E+00 | 24 | .0000E+00 | | | | | | | |

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***
 *** *** 10:45:29

*** 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 | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

*** 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 | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000072 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

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

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

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

```

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

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1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
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DAY OF WEEK = SUNDAY

PAGE 107

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

PAGE 108

DAY OF WEEK = WEEKDAY

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1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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*** 10:45:29

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PAGE 109
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000076 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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PAGE 110
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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(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

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000078 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000079 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091

MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

*** *** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** *** 10:45:29

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

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

| | | | | | | | | | | | |
|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|----|-----------|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 | .0000E+00 |
| 7 | .0000E+00 | 8 | .0000E+00 | 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 |
| 13 | .1000E+01 | 14 | .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 | 17 | .1000E+01 | 18 | .1000E+01 |
| 19 | .1000E+01 | 20 | .1000E+01 | 21 | .1000E+01 | 22 | .1000E+01 | 23 | .1000E+01 | 24 | .1000E+01 |
| 25 | .0000E+00 | 26 | .0000E+00 | 27 | .0000E+00 | 28 | .0000E+00 | 29 | .0000E+00 | 30 | .0000E+00 |
| 31 | .0000E+00 | 32 | .0000E+00 | 33 | .0000E+00 | 34 | .0000E+00 | 35 | .0000E+00 | 36 | .0000E+00 |

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

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

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PE *** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                    08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29

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

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

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

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.0000E+00  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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                                PAGE 116
*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000083 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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                                PAGE 117
*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000084 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR

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- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000085 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000086 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000087 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000088 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000089 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

```
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000090 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000091 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
```

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9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000092 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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SOURCE ID = 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 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***
***                                     ***      10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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SOURCE ID = 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 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *SOURCE ID = L0000095 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *SOURCE ID = 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 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000097 ; 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
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DAY OF WEEK = SATURDAY

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

```
1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00    6
.0000E+00    7 .0000E+00    8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
.0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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SOURCE ID = L0000099 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
-----
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

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                                DAY OF WEEK = WEEKDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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                                PAGE 134
*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000101 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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                                PAGE 135
*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000102 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000104 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000105 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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.0000E+00  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SUNDAY
 1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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                                PAGE 139
*** 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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                                PAGE 140
*** 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

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
                                *** 10:45:29

                                PAGE 141
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000108 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
                                *** 10:45:29

                                PAGE 142
*** 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 :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR

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

*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAS\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ U*

| SOURCE ID = L0000110 | | | | ; SOURCE TYPE = VOLUME | | : | | | | | |
|----------------------|--------|--------|--------|------------------------|--------|------|--------|------|--------|------|--------|
| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | | |

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

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

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

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000111 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

*** 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 | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000113 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000114 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000115 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
-----
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000116 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
-----
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

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.0000E+00    7 .0000E+00    8 .0000E+00
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00    6
.0000E+00    7 .0000E+00    8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
.0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00    6
.0000E+00    7 .0000E+00    8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
.0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***
***
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10:45:29

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                                PAGE 150
*** MODELOPTs:      RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

SOURCE ID = L0000117      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
- - - - -
                                DAY OF WEEK = WEEKDAY
1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00    6
.0000E+00    7 .0000E+00    8 .0000E+00
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00    6
.0000E+00    7 .0000E+00    8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
.0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00    6
.0000E+00    7 .0000E+00    8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
.0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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                                PAGE 151
*** MODELOPTs:      RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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SOURCE ID = 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 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000121 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000122 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000123 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |

DAY OF WEEK = WEEKDAY

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

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                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
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10:45:29

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                                PAGE 157
*** MODELOPTs:  RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

SOURCE ID = L0000124      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
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10:45:29

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                                PAGE 158
*** MODELOPTs:  RegDFAULT  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
- - - - -

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- - - - -
                                DAY OF WEEK = WEEKDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
***
                                PAGE 159
*** 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 :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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                                PAGE 160
*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000127 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000130 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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


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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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                                PAGE 164
*** 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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                                PAGE 165
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000132 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
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.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000134 ; SOURCE TYPE = VOLUME :

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000136 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

*** 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 | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000138 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000139 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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DAY OF WEEK = WEEKDAY

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1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000142 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```

(HRDOW) *

SOURCE ID = 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 | | | | | |

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000144 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000145 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091

MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

*** *** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000146 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** *** 10:45:29

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

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

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

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

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

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Pr *** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                      08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29

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

| | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

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

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.0000E+00  23 .0000E+00  24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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                                PAGE 182
*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000149 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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                                PAGE 183
*** MODELOPTs:  RegDFAULT 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

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- - - - -
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000151 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

```

*** 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 :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000153 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000154 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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

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.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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
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9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
***
PAGE 191
*** MODELOPTs: RegDFAULT 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
***
PAGE 192
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*
* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

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SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *SOURCE ID = 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 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *SOURCE ID = L0000162 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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.0000E+00    7 .0000E+00    8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
.0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 = SATURDAY

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

DAY OF WEEK = SUNDAY

```
1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00    6
.0000E+00    7 .0000E+00    8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
.0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000164 ; 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
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DAY OF WEEK = SATURDAY

```
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000165 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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PAGE 199
*** 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
- - - - -
- - - - -
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                                DAY OF WEEK = WEEKDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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                                PAGE 200
*** 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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                                PAGE 201
*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 | | 23 | .0000E+00 | 24 | .0000E+00 | | | | | |

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 | | | | | | |

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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PAGE 205
*** 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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PAGE 206
*** 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
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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
                                *** 10:45:29

                                PAGE 207
*** 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 :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
                                *** 10:45:29

                                PAGE 208
*** 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 :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR

```

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                  *** 10-45-29

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ U*

| SOURCE ID = L0000176 | | | | ; SOURCE TYPE = VOLUME | | : | | | | | |
|----------------------|--------|--------|--------|------------------------|--------|------|--------|------|--------|------|--------|
| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | | |

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000177 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

*** 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 | | | | | | |

| | | | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|----|-----------|----|-----------|----|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 |
| .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 | | | | | | |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 |
| .1000E+01 | 15 | .1000E+01 | 16 | .1000E+01 | | | | | | |
| 17 | .0000E+00 | 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 |

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.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000179 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000180 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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*** 10:45:29

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PAGE 215
*** MODELOPTs: RegDFAULT 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

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.0000E+00    7 .0000E+00    8 .0000E+00
9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
.1000E+01   15 .1000E+01   16 .1000E+01
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00    6
.0000E+00    7 .0000E+00    8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
.0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00    6
.0000E+00    7 .0000E+00    8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
.0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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                                PAGE 216
*** MODELOPTs:      RegDFAULT  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 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***
***
***
10:45:29

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                                PAGE 217
*** MODELOPTs:      RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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SOURCE ID = 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 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000185 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000186 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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


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1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000188 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000189 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |

DAY OF WEEK = WEEKDAY

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

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                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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                                PAGE 223
*** 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
***
10:45:29

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                                PAGE 224
*** MODELOPTs:  RegDFAULT 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
- - - - -

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- - - - -
                                DAY OF WEEK = WEEKDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
***
                                PAGE 225
*** 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 :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SATURDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00  2 .0000E+00  3 .0000E+00  4 .0000E+00  5 .0000E+00  6
.0000E+00  7 .0000E+00  8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
***
                                PAGE 226
*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000193 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000195 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000196 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** *** 10:45:29
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PAGE 230
*** 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** *** 10:45:29
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PAGE 231
*** MODELOPTs: RegDFAULT 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
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.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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PAGE 232
*** MODELOPTs: RegDFAULT 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000200 ; SOURCE TYPE = VOLUME :

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| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL |
|--|-----------|--------|-----------|--------|-----------|-------|-----------|-------|-----------|-------|
| SCALAR | HOURL | SCALAR | HOURL | SCALAR | | | | | | |
| DAY OF WEEK = WEEKDAY | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 |
| .0000E+00 | | 7 | .0000E+00 | 8 | .0000E+00 | | | | | |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 |
| .1000E+01 | | 15 | .1000E+01 | 16 | .1000E+01 | | | | | |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 |
| .0000E+00 | | 23 | .0000E+00 | 24 | .0000E+00 | | | | | |
| DAY OF WEEK = SATURDAY | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 |
| .0000E+00 | | 7 | .0000E+00 | 8 | .0000E+00 | | | | | |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 |
| .0000E+00 | | 15 | .0000E+00 | 16 | .0000E+00 | | | | | |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 |
| .0000E+00 | | 23 | .0000E+00 | 24 | .0000E+00 | | | | | |
| DAY OF WEEK = SUNDAY | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 |
| .0000E+00 | | 7 | .0000E+00 | 8 | .0000E+00 | | | | | |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 |
| .0000E+00 | | 15 | .0000E+00 | 16 | .0000E+00 | | | | | |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 |
| .0000E+00 | | 23 | .0000E+00 | 24 | .0000E+00 | | | | | |
| *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091 | | | | | | | | | | |
| MVCC\15091 MVC *** 08/21/23 | | | | | | | | | | |
| *** AERMET - VERSION 16216 *** | | | | | | | | | | |
| *** 10:45:29 | | | | | | | | | | |

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000201 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL |
|--|-----------|--------|-----------|--------|-----------|-------|-----------|-------|-----------|-------|
| SCALAR | HOURL | SCALAR | HOURL | SCALAR | | | | | | |
| DAY OF WEEK = WEEKDAY | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 |
| .0000E+00 | | 7 | .0000E+00 | 8 | .0000E+00 | | | | | |
| 9 | .1000E+01 | 10 | .1000E+01 | 11 | .1000E+01 | 12 | .1000E+01 | 13 | .1000E+01 | 14 |
| .1000E+01 | | 15 | .1000E+01 | 16 | .1000E+01 | | | | | |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 |
| .0000E+00 | | 23 | .0000E+00 | 24 | .0000E+00 | | | | | |
| DAY OF WEEK = SATURDAY | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 |
| .0000E+00 | | 7 | .0000E+00 | 8 | .0000E+00 | | | | | |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 |
| .0000E+00 | | 15 | .0000E+00 | 16 | .0000E+00 | | | | | |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 |
| .0000E+00 | | 23 | .0000E+00 | 24 | .0000E+00 | | | | | |
| DAY OF WEEK = SUNDAY | | | | | | | | | | |
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 |
| .0000E+00 | | 7 | .0000E+00 | 8 | .0000E+00 | | | | | |
| 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 | 12 | .0000E+00 | 13 | .0000E+00 | 14 |
| .0000E+00 | | 15 | .0000E+00 | 16 | .0000E+00 | | | | | |
| 17 | .0000E+00 | 18 | .0000E+00 | 19 | .0000E+00 | 20 | .0000E+00 | 21 | .0000E+00 | 22 |
| .0000E+00 | | 23 | .0000E+00 | 24 | .0000E+00 | | | | | |
| *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091 | | | | | | | | | | |
| MVCC\15091 MVC *** 08/21/23 | | | | | | | | | | |
| *** AERMET - VERSION 16216 *** | | | | | | | | | | |
| *** 10:45:29 | | | | | | | | | | |

*** 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 | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

*** 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 | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR |

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

| | | | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | .0000E+00 | 2 | .0000E+00 | 3 | .0000E+00 | 4 | .0000E+00 | 5 | .0000E+00 | 6 |
| .0000E+00 | 7 | .0000E+00 | 8 | .0000E+00 | 9 | .0000E+00 | 10 | .0000E+00 | 11 | .0000E+00 |

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9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000204 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000205 ; SOURCE TYPE = VOLUME :

| HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR | HOURL | SCALAR |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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.0000E+00    7 .0000E+00    8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
.0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
                                DAY OF WEEK = SUNDAY
1 .0000E+00    2 .0000E+00    3 .0000E+00    4 .0000E+00    5 .0000E+00    6
.0000E+00    7 .0000E+00    8 .0000E+00
9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
.0000E+00   15 .0000E+00   16 .0000E+00
17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
.0000E+00   23 .0000E+00   24 .0000E+00
*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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*** MODELOPTs:  RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000207      ; SOURCE TYPE = VOLUME      :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
- - - - -
                                DAY OF WEEK = WEEKDAY
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1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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(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 | | | | | |

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 | | | | | |

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 | | | | | | |

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***
 *** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000213 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | 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 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***
 *** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000214 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | 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 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
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10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```

SOURCE ID = 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

```

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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```

SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000217 ; SOURCE TYPE = VOLUME :
  HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
  SCALAR HOUR SCALAR HOUR SCALAR
- - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000218 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000219 ; SOURCE TYPE = VOLUME :

| HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR | SCALAR | HOUR |
|--------|--------|--------|--------|--------|--------|------|--------|------|--------|------|
| SCALAR | HOUR | SCALAR | HOUR | SCALAR | | | | | | |

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000220 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```

SOURCE ID = 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 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***
***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```

SOURCE ID = 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 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *SOURCE ID = 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 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *SOURCE ID = 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 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000229 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000230 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY


```

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```

SOURCE ID = 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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SOURCE ID = L0000232 ; SOURCE TYPE = VOLUME :
  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR  SCALAR  HOUR
  SCALAR  HOUR  SCALAR  HOUR  SCALAR
-----

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                                DAY OF WEEK = WEEKDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .1000E+01 10  .1000E+01 11  .1000E+01 12  .1000E+01 13  .1000E+01 14
.1000E+01 15  .1000E+01 16  .1000E+01
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SATURDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
                                DAY OF WEEK = SUNDAY
1  .0000E+00  2  .0000E+00  3  .0000E+00  4  .0000E+00  5  .0000E+00  6
.0000E+00  7  .0000E+00  8  .0000E+00
9  .0000E+00 10  .0000E+00 11  .0000E+00 12  .0000E+00 13  .0000E+00 14
.0000E+00 15  .0000E+00 16  .0000E+00
17 .0000E+00 18  .0000E+00 19  .0000E+00 20  .0000E+00 21  .0000E+00 22
.0000E+00 23  .0000E+00 24  .0000E+00
*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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*** 10:45:29

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                                PAGE 266
*** MODELOPTs:  RegDFAULT 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 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 10:45:29

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                                PAGE 267
*** 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 | | 23 | .0000E+00 | 24 | .0000E+00 | | | | | |

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = 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 | | | | | |

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

| | |
|--|------------------------|
| (475146.6, 3744202.5, 493.9, 493.9, 0.0); | (475113.0, 3744175.7, |
| 495.1, 495.1, 0.0); | |
| (475037.5, 3744171.1, 499.7, 499.7, 0.0); | (475003.3, 3744194.3, |
| 500.8, 513.0, 0.0); | |
| (474973.8, 3744217.1, 503.2, 513.0, 0.0); | (475158.9, 3744265.7, |
| 493.0, 493.0, 0.0); | |
| (475561.0, 3744189.8, 479.1, 479.1, 0.0); | (475620.6, 3744192.9, |
| 478.3, 478.3, 0.0); | |
| (476022.0, 3744121.5, 471.0, 471.0, 0.0); | (476021.4, 3744054.7, |
| 471.9, 471.9, 0.0); | |
| (476034.9, 3743961.1, 471.0, 471.0, 0.0); | (476034.4, 3743833.7, |
| 471.0, 471.0, 0.0); | |
| (475059.3, 3743678.9, 487.3, 487.3, 0.0); | (475048.5, 3743620.0, |
| 488.5, 488.5, 0.0); | |
| (475935.5, 3743551.9, 471.4, 471.4, 0.0); | (475683.5, 3743480.9, |
| 475.3, 475.3, 0.0); | |
| (475443.7, 3743717.1, 477.2, 477.2, 0.0); | (475706.7, 3743746.2, |
| 476.0, 476.0, 0.0); | |
| (475941.5, 3743535.1, 471.0, 471.0, 0.0); | (475815.8, 3743304.0, |
| 476.8, 476.8, 0.0); | |
| (475933.0, 3743505.3, 471.0, 471.0, 0.0); | (475933.8, 3743472.8, |
| 472.1, 472.1, 0.0); | |
| (475940.2, 3743429.0, 472.7, 472.7, 0.0); | (475935.8, 3743407.7, |
| 472.8, 472.8, 0.0); | |
| (475896.4, 3743329.8, 474.2, 474.2, 0.0); | (476014.3, 3743338.2, |
| 473.6, 473.6, 0.0); | |
| (474177.2, 3743537.2, 514.0, 514.0, 0.0); | (474175.6, 3743395.7, |
| 513.0, 513.0, 0.0); | |
| (474176.4, 3743645.1, 512.8, 512.8, 0.0); | (474425.9, 3743758.7, |
| 513.6, 513.6, 0.0); | |
| (474577.7, 3743867.1, 505.1, 505.1, 0.0); | (474590.6, 3743989.2, |
| 512.7, 512.7, 0.0); | |
| (474592.2, 3744075.9, 512.0, 543.0, 0.0); | (474915.5, 3744193.7, |
| 504.6, 519.0, 0.0); | |
| (474841.1, 3744193.1, 511.7, 519.0, 0.0); | (475376.6, 3744371.8, |
| 486.3, 486.3, 0.0); | |
| (475878.5, 3744298.5, 472.7, 472.7, 0.0); | (475682.8, 3744476.5, |
| 473.2, 473.2, 0.0); | |
| (475728.9, 3744369.5, 474.2, 474.2, 0.0); | (473300.3, 3743374.6, |
| 513.4, 513.4, 0.0); | |
| (473285.3, 3743456.1, 514.3, 514.3, 0.0); | (473563.1, 3744593.4, |
| 512.0, 512.0, 0.0); | |
| (473693.9, 3744822.4, 513.9, 513.9, 0.0); | (473729.9, 3744880.8, |
| 514.0, 514.0, 0.0); | |
| (473723.3, 3744920.3, 514.0, 514.0, 0.0); | (477058.5, 3744344.8, |
| 455.0, 455.0, 0.0); | |
| (477121.4, 3744258.3, 455.0, 455.0, | |
| 0.0); | |

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| | | | | | | | | | | | | | | | |
|------|-----|-------|-----|----|------|-------|--------|--------|-------|------|-------|------|------|------|------|
| 10 | 01 | 01 | 1 | 03 | -3.9 | 0.088 | -9.000 | -9.000 | -999. | 62. | 15.1 | 0.19 | 0.61 | 1.00 | 0.90 |
| 324. | 9.1 | 280.4 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 04 | -1.3 | 0.064 | -9.000 | -9.000 | -999. | 39. | 18.3 | 0.19 | 0.61 | 1.00 | 0.40 |
| 294. | 9.1 | 278.8 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 05 | -3.9 | 0.088 | -9.000 | -9.000 | -999. | 62. | 15.0 | 0.19 | 0.61 | 1.00 | 0.90 |
| 205. | 9.1 | 278.1 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 06 | -1.3 | 0.065 | -9.000 | -9.000 | -999. | 39. | 18.3 | 0.19 | 0.61 | 1.00 | 0.40 |
| 3. | 9.1 | 277.0 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 07 | -8.0 | 0.125 | -9.000 | -9.000 | -999. | 106. | 21.0 | 0.19 | 0.61 | 1.00 | 1.30 |
| 99. | 9.1 | 277.0 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 08 | -3.3 | 0.086 | -9.000 | -9.000 | -999. | 61. | 16.8 | 0.19 | 0.61 | 0.54 | 0.90 |
| 319. | 9.1 | 278.8 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 09 | 20.1 | 0.128 | 0.307 | 0.010 | 49. | 110. | -9.0 | 0.19 | 0.61 | 0.33 | 0.90 |
| 239. | 9.1 | 284.2 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 10 | 56.7 | 0.087 | 0.560 | 0.010 | 107. | 62. | -1.0 | 0.19 | 0.61 | 0.26 | 0.40 |
| 188. | 9.1 | 289.2 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 11 | 81.5 | 0.323 | 0.867 | 0.008 | 277. | 441. | -35.9 | 0.19 | 0.61 | 0.23 | 2.70 |
| 310. | 9.1 | 290.9 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 12 | 97.1 | 0.281 | 1.058 | 0.008 | 421. | 357. | -19.7 | 0.19 | 0.61 | 0.22 | 2.20 |
| 357. | 9.1 | 293.1 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 13 | 92.2 | 0.279 | 1.117 | 0.008 | 523. | 354. | -20.4 | 0.19 | 0.61 | 0.22 | 2.20 |
| 356. | 9.1 | 293.8 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 14 | 77.6 | 0.275 | 1.102 | 0.008 | 595. | 347. | -23.2 | 0.19 | 0.61 | 0.23 | 2.20 |
| 50. | 9.1 | 294.2 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 15 | 54.9 | 0.230 | 1.006 | 0.008 | 640. | 266. | -19.2 | 0.19 | 0.61 | 0.27 | 1.80 |
| 53. | 9.1 | 293.8 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 16 | 12.3 | 0.206 | 0.613 | 0.008 | 648. | 225. | -61.5 | 0.19 | 0.61 | 0.36 | 1.80 |
| 11. | 9.1 | 292.5 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 17 | -3.6 | 0.087 | -9.000 | -9.000 | -999. | 71. | 15.6 | 0.19 | 0.61 | 0.64 | 0.90 |
| 351. | 9.1 | 290.4 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 18 | -3.8 | 0.087 | -9.000 | -9.000 | -999. | 62. | 15.2 | 0.19 | 0.61 | 1.00 | 0.90 |
| 186. | 9.1 | 287.5 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 19 | -3.8 | 0.087 | -9.000 | -9.000 | -999. | 62. | 15.2 | 0.19 | 0.61 | 1.00 | 0.90 |
| 275. | 9.1 | 285.9 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 20 | -1.2 | 0.064 | -9.000 | -9.000 | -999. | 39. | 18.1 | 0.19 | 0.61 | 1.00 | 0.40 |
| 181. | 9.1 | 285.4 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 21 | -7.8 | 0.125 | -9.000 | -9.000 | -999. | 106. | 21.3 | 0.19 | 0.61 | 1.00 | 1.30 |
| 318. | 9.1 | 284.9 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 22 | -3.8 | 0.088 | -9.000 | -9.000 | -999. | 62. | 15.1 | 0.19 | 0.61 | 1.00 | 0.90 |
| 196. | 9.1 | 283.1 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 23 | -3.8 | 0.088 | -9.000 | -9.000 | -999. | 62. | 15.1 | 0.19 | 0.61 | 1.00 | 0.90 |
| 330. | 9.1 | 281.4 | 5.5 | | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 24 | -7.9 | 0.125 | -9.000 | -9.000 | -999. | 106. | 21.2 | 0.19 | 0.61 | 1.00 | 1.30 |
| 332. | 9.1 | 280.9 | 5.5 | | | | | | | | | | | | |

First hour of profile data

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

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

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 10:45:29

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL3 ,
VOL5 , VOL7 , VOL8 ,
VOL9 , VOL10 , VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 ,

| | | | | | | | | | |
|----------|---|----------|---|----------|---|----------|---|----------|---|
| VOL17 | , | VOL18 | , | VOL19 | , | VOL20 | , | VOL21 | , |
| VOL22 | , | VOL23 | , | VOL24 | , | | | | |
| L0000001 | , | L0000002 | , | L0000003 | , | L0000004 | , | L0000005 | , |
| L0000006 | , | L0000007 | , | . . . | , | | | | |

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

| | | ** CONC OF DPM MICROGRAMS/M**3 | IN | | | ** |
|-------------|-------------|-----------------------------------|----|-------------|---------|----|
| X-COORD (M) | Y-COORD (M) | CONC | | X-COORD (M) | Y-COORD | |
| (M) | CONC | | | | | |
| ----- | | | | | | |
| ----- | | | | | | |
| 475146.64 | 3744202.50 | 0.00221 | | 475112.97 | | |
| 3744175.66 | 0.00196 | | | | | |
| 475037.46 | 3744171.11 | 0.00121 | | 475003.34 | | |
| 3744194.31 | 0.00098 | | | | | |
| 474973.77 | 3744217.06 | 0.00082 | | 475158.92 | | |
| 3744265.73 | 0.00163 | | | | | |
| 475561.05 | 3744189.76 | 0.00575 | | 475620.65 | | |
| 3744192.95 | 0.00536 | | | | | |
| 476022.00 | 3744121.55 | 0.00161 | | 476021.40 | | |
| 3744054.73 | 0.00125 | | | | | |
| 476034.92 | 3743961.08 | 0.00107 | | 476034.44 | | |
| 3743833.66 | 0.00106 | | | | | |
| 475059.35 | 3743678.88 | 0.00551 | | 475048.50 | | |
| 3743620.04 | 0.00459 | | | | | |
| 475935.55 | 3743551.90 | 0.00140 | | 475683.50 | | |
| 3743480.93 | 0.00207 | | | | | |
| 475443.74 | 3743717.06 | 0.00976 | | 475706.71 | | |
| 3743746.17 | 0.00690 | | | | | |
| 475941.47 | 3743535.07 | 0.00134 | | 475815.76 | | |
| 3743304.00 | 0.00113 | | | | | |
| 475932.99 | 3743505.26 | 0.00131 | | 475933.83 | | |
| 3743472.84 | 0.00123 | | | | | |
| 475940.25 | 3743428.98 | 0.00113 | | 475935.78 | | |
| 3743407.74 | 0.00110 | | | | | |
| 475896.38 | 3743329.79 | 0.00104 | | 476014.30 | | |
| 3743338.17 | 0.00085 | | | | | |
| 474177.19 | 3743537.24 | 0.00021 | | 474175.64 | | |
| 3743395.68 | 0.00021 | | | | | |
| 474176.41 | 3743645.14 | 0.00020 | | 474425.93 | | |
| 3743758.69 | 0.00028 | | | | | |
| 474577.72 | 3743867.11 | 0.00037 | | 474590.57 | | |
| 3743989.17 | 0.00035 | | | | | |
| 474592.18 | 3744075.89 | 0.00034 | | 474915.52 | | |
| 3744193.66 | 0.00070 | | | | | |
| 474841.11 | 3744193.13 | 0.00055 | | 475376.61 | | |
| 3744371.75 | 0.00151 | | | | | |
| 475878.54 | 3744298.48 | 0.00135 | | 475682.76 | | |
| 3744476.50 | 0.00096 | | | | | |
| 475728.87 | 3744369.46 | 0.00134 | | 473300.31 | | |
| 3743374.59 | 0.00010 | | | | | |
| 473285.29 | 3743456.06 | 0.00010 | | 473563.14 | | |
| 3744593.37 | 0.00011 | | | | | |
| 473693.91 | 3744822.42 | 0.00011 | | 473729.89 | | |
| 3744880.84 | 0.00011 | | | | | |
| 473723.32 | 3744920.30 | 0.00011 | | 477058.55 | | |
| 3744344.84 | 0.00020 | | | | | |
| 477121.37 | 3744258.35 | | | | | |
| 0.00018 | | | | | | |

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS
***** CONC OF DPM IN
MICROGRAMS/M**3

**

NETWORK

GROUP ID AVERAGE CONC RECEPTOR (XR, YR, ZELEV, ZHILL,

ZFLAG) OF TYPE GRID-ID

| | | | | | |
|---------|-----------------------|--------------|------------|-------------|---------|
| ALL | 1ST HIGHEST VALUE IS | 0.00976 AT (| 475443.74, | 3743717.06, | 477.21, |
| 477.21, | 0.00) DC | | | | |
| | 2ND HIGHEST VALUE IS | 0.00690 AT (| 475706.71, | 3743746.17, | 476.00, |
| | 476.00, 0.00) DC | | | | |
| | 3RD HIGHEST VALUE IS | 0.00575 AT (| 475561.05, | 3744189.76, | 479.06, |
| | 479.06, 0.00) DC | | | | |
| | 4TH HIGHEST VALUE IS | 0.00551 AT (| 475059.35, | 3743678.88, | 487.27, |
| | 487.27, 0.00) DC | | | | |
| | 5TH HIGHEST VALUE IS | 0.00536 AT (| 475620.65, | 3744192.95, | 478.31, |
| | 478.31, 0.00) DC | | | | |
| | 6TH HIGHEST VALUE IS | 0.00459 AT (| 475048.50, | 3743620.04, | 488.50, |
| | 488.50, 0.00) DC | | | | |
| | 7TH HIGHEST VALUE IS | 0.00221 AT (| 475146.64, | 3744202.50, | 493.90, |
| | 493.90, 0.00) DC | | | | |
| | 8TH HIGHEST VALUE IS | 0.00207 AT (| 475683.50, | 3743480.93, | 475.34, |
| | 475.34, 0.00) DC | | | | |
| | 9TH HIGHEST VALUE IS | 0.00196 AT (| 475112.97, | 3744175.66, | 495.14, |
| | 495.14, 0.00) DC | | | | |
| | 10TH HIGHEST VALUE IS | 0.00163 AT (| 475158.92, | 3744265.73, | 493.01, |
| | 493.01, 0.00) DC | | | | |

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***

10:45:29

PAGE 274

*** 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 | 3768 | MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used | 0.50 |
| ME W187 | 3768 | 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. 11.2.0
** Lakes Environmental Software Inc.
** Date: 8/21/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091 Ops HRA\15091 Ops HRA.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091 MVCC\15091 MVC
  MODELOPT DFAULT CONC
  AVERTIME PERIOD
  URBANOPT 2189641 Riverside_County
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "15091 Ops HRA.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Idle N
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00002923
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 475285.365, 3744064.576, 485.68, 3.49, 4.00
** 475653.082, 3744066.279, 477.94, 3.49, 4.00
** -----
  LOCATION L0001484      VOLUME  475289.660 3744064.596 485.34
  LOCATION L0001485      VOLUME  475298.249 3744064.636 485.05
  LOCATION L0001486      VOLUME  475306.839 3744064.676 484.53
  LOCATION L0001487      VOLUME  475315.429 3744064.716 483.96
  LOCATION L0001488      VOLUME  475324.019 3744064.755 483.39
  LOCATION L0001489      VOLUME  475332.609 3744064.795 482.91
  LOCATION L0001490      VOLUME  475341.199 3744064.835 482.62
  LOCATION L0001491      VOLUME  475349.789 3744064.875 482.33
  LOCATION L0001492      VOLUME  475358.379 3744064.914 482.05
  LOCATION L0001493      VOLUME  475366.969 3744064.954 482.09
  LOCATION L0001494      VOLUME  475375.559 3744064.994 482.20
  LOCATION L0001495      VOLUME  475384.149 3744065.034 482.30
  LOCATION L0001496      VOLUME  475392.738 3744065.074 482.37
  LOCATION L0001497      VOLUME  475401.328 3744065.113 482.37
  LOCATION L0001498      VOLUME  475409.918 3744065.153 482.37
  LOCATION L0001499      VOLUME  475418.508 3744065.193 482.37
  LOCATION L0001500      VOLUME  475427.098 3744065.233 482.37

```

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0001501 | VOLUME | 475435.688 | 3744065.272 | 482.36 |
| LOCATION | L0001502 | VOLUME | 475444.278 | 3744065.312 | 482.36 |
| LOCATION | L0001503 | VOLUME | 475452.868 | 3744065.352 | 482.32 |
| LOCATION | L0001504 | VOLUME | 475461.458 | 3744065.392 | 482.22 |
| LOCATION | L0001505 | VOLUME | 475470.048 | 3744065.431 | 482.12 |
| LOCATION | L0001506 | VOLUME | 475478.637 | 3744065.471 | 482.01 |
| LOCATION | L0001507 | VOLUME | 475487.227 | 3744065.511 | 481.84 |
| LOCATION | L0001508 | VOLUME | 475495.817 | 3744065.551 | 481.66 |
| LOCATION | L0001509 | VOLUME | 475504.407 | 3744065.591 | 481.47 |
| LOCATION | L0001510 | VOLUME | 475512.997 | 3744065.630 | 481.31 |
| LOCATION | L0001511 | VOLUME | 475521.587 | 3744065.670 | 481.21 |
| LOCATION | L0001512 | VOLUME | 475530.177 | 3744065.710 | 481.11 |
| LOCATION | L0001513 | VOLUME | 475538.767 | 3744065.750 | 481.01 |
| LOCATION | L0001514 | VOLUME | 475547.357 | 3744065.789 | 480.75 |
| LOCATION | L0001515 | VOLUME | 475555.947 | 3744065.829 | 480.46 |
| LOCATION | L0001516 | VOLUME | 475564.537 | 3744065.869 | 480.18 |
| LOCATION | L0001517 | VOLUME | 475573.126 | 3744065.909 | 479.89 |
| LOCATION | L0001518 | VOLUME | 475581.716 | 3744065.948 | 479.60 |
| LOCATION | L0001519 | VOLUME | 475590.306 | 3744065.988 | 479.32 |
| LOCATION | L0001520 | VOLUME | 475598.896 | 3744066.028 | 479.03 |
| LOCATION | L0001521 | VOLUME | 475607.486 | 3744066.068 | 478.83 |
| LOCATION | L0001522 | VOLUME | 475616.076 | 3744066.107 | 478.64 |
| LOCATION | L0001523 | VOLUME | 475624.666 | 3744066.147 | 478.45 |
| LOCATION | L0001524 | VOLUME | 475633.256 | 3744066.187 | 478.30 |
| LOCATION | L0001525 | VOLUME | 475641.846 | 3744066.227 | 478.20 |
| LOCATION | L0001526 | VOLUME | 475650.436 | 3744066.267 | 478.10 |

** End of LINE VOLUME Source ID = SLINE1

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE2

** DESCRSRC Idle S

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 0.00002923

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 2

** 475285.365, 3743857.310, 482.64, 3.49, 4.00

** 475651.805, 3743856.033, 477.94, 3.49, 4.00

** -----

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0001527 | VOLUME | 475289.660 | 3743857.295 | 482.34 |
| LOCATION | L0001528 | VOLUME | 475298.249 | 3743857.265 | 482.05 |
| LOCATION | L0001529 | VOLUME | 475306.839 | 3743857.235 | 481.77 |
| LOCATION | L0001530 | VOLUME | 475315.429 | 3743857.205 | 481.48 |
| LOCATION | L0001531 | VOLUME | 475324.019 | 3743857.175 | 481.19 |
| LOCATION | L0001532 | VOLUME | 475332.609 | 3743857.145 | 481.00 |
| LOCATION | L0001533 | VOLUME | 475341.199 | 3743857.115 | 481.00 |
| LOCATION | L0001534 | VOLUME | 475349.789 | 3743857.085 | 481.00 |
| LOCATION | L0001535 | VOLUME | 475358.379 | 3743857.055 | 481.00 |
| LOCATION | L0001536 | VOLUME | 475366.969 | 3743857.025 | 481.00 |
| LOCATION | L0001537 | VOLUME | 475375.559 | 3743856.995 | 481.00 |
| LOCATION | L0001538 | VOLUME | 475384.149 | 3743856.966 | 481.00 |
| LOCATION | L0001539 | VOLUME | 475392.739 | 3743856.936 | 480.90 |
| LOCATION | L0001540 | VOLUME | 475401.329 | 3743856.906 | 480.62 |
| LOCATION | L0001541 | VOLUME | 475409.919 | 3743856.876 | 480.33 |
| LOCATION | L0001542 | VOLUME | 475418.509 | 3743856.846 | 480.04 |
| LOCATION | L0001543 | VOLUME | 475427.099 | 3743856.816 | 479.77 |
| LOCATION | L0001544 | VOLUME | 475435.689 | 3743856.786 | 479.50 |
| LOCATION | L0001545 | VOLUME | 475444.279 | 3743856.756 | 479.23 |
| LOCATION | L0001546 | VOLUME | 475452.869 | 3743856.726 | 478.98 |
| LOCATION | L0001547 | VOLUME | 475461.459 | 3743856.696 | 478.79 |
| LOCATION | L0001548 | VOLUME | 475470.048 | 3743856.666 | 478.59 |
| LOCATION | L0001549 | VOLUME | 475478.638 | 3743856.636 | 478.39 |
| LOCATION | L0001550 | VOLUME | 475487.228 | 3743856.606 | 478.61 |
| LOCATION | L0001551 | VOLUME | 475495.818 | 3743856.576 | 478.89 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0001552 | VOLUME | 475504.408 | 3743856.547 | 479.18 |
| LOCATION | L0001553 | VOLUME | 475512.998 | 3743856.517 | 479.39 |
| LOCATION | L0001554 | VOLUME | 475521.588 | 3743856.487 | 479.48 |
| LOCATION | L0001555 | VOLUME | 475530.178 | 3743856.457 | 479.57 |
| LOCATION | L0001556 | VOLUME | 475538.768 | 3743856.427 | 479.66 |
| LOCATION | L0001557 | VOLUME | 475547.358 | 3743856.397 | 479.50 |
| LOCATION | L0001558 | VOLUME | 475555.948 | 3743856.367 | 479.31 |
| LOCATION | L0001559 | VOLUME | 475564.538 | 3743856.337 | 479.12 |
| LOCATION | L0001560 | VOLUME | 475573.128 | 3743856.307 | 478.96 |
| LOCATION | L0001561 | VOLUME | 475581.718 | 3743856.277 | 478.87 |
| LOCATION | L0001562 | VOLUME | 475590.308 | 3743856.247 | 478.77 |
| LOCATION | L0001563 | VOLUME | 475598.898 | 3743856.217 | 478.68 |
| LOCATION | L0001564 | VOLUME | 475607.488 | 3743856.187 | 478.50 |
| LOCATION | L0001565 | VOLUME | 475616.078 | 3743856.157 | 478.30 |
| LOCATION | L0001566 | VOLUME | 475624.668 | 3743856.127 | 478.11 |
| LOCATION | L0001567 | VOLUME | 475633.257 | 3743856.098 | 478.00 |
| LOCATION | L0001568 | VOLUME | 475641.847 | 3743856.068 | 478.00 |
| LOCATION | L0001569 | VOLUME | 475650.437 | 3743856.038 | 478.00 |

** End of LINE VOLUME Source ID = SLINE2

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC Seaton 75%

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 7.102E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 3

** 475791.752, 3743810.544, 475.05, 3.49, 4.00

** 475791.251, 3744073.916, 475.14, 3.49, 4.00

** 475793.836, 3744154.563, 474.68, 3.49, 4.00

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0001862 | VOLUME | 475791.744 | 3743814.839 | 475.17 |
| LOCATION | L0001863 | VOLUME | 475791.728 | 3743823.429 | 475.35 |
| LOCATION | L0001864 | VOLUME | 475791.711 | 3743832.019 | 475.52 |
| LOCATION | L0001865 | VOLUME | 475791.695 | 3743840.609 | 475.66 |
| LOCATION | L0001866 | VOLUME | 475791.679 | 3743849.199 | 475.78 |
| LOCATION | L0001867 | VOLUME | 475791.662 | 3743857.789 | 475.89 |
| LOCATION | L0001868 | VOLUME | 475791.646 | 3743866.379 | 476.00 |
| LOCATION | L0001869 | VOLUME | 475791.630 | 3743874.969 | 476.00 |
| LOCATION | L0001870 | VOLUME | 475791.613 | 3743883.559 | 476.00 |
| LOCATION | L0001871 | VOLUME | 475791.597 | 3743892.149 | 476.00 |
| LOCATION | L0001872 | VOLUME | 475791.581 | 3743900.738 | 476.00 |
| LOCATION | L0001873 | VOLUME | 475791.564 | 3743909.328 | 476.00 |
| LOCATION | L0001874 | VOLUME | 475791.548 | 3743917.918 | 476.00 |
| LOCATION | L0001875 | VOLUME | 475791.532 | 3743926.508 | 476.00 |
| LOCATION | L0001876 | VOLUME | 475791.515 | 3743935.098 | 476.00 |
| LOCATION | L0001877 | VOLUME | 475791.499 | 3743943.688 | 476.00 |
| LOCATION | L0001878 | VOLUME | 475791.483 | 3743952.278 | 476.00 |
| LOCATION | L0001879 | VOLUME | 475791.466 | 3743960.868 | 476.00 |
| LOCATION | L0001880 | VOLUME | 475791.450 | 3743969.458 | 476.00 |
| LOCATION | L0001881 | VOLUME | 475791.434 | 3743978.048 | 476.00 |
| LOCATION | L0001882 | VOLUME | 475791.417 | 3743986.638 | 476.00 |
| LOCATION | L0001883 | VOLUME | 475791.401 | 3743995.228 | 476.00 |
| LOCATION | L0001884 | VOLUME | 475791.385 | 3744003.818 | 476.00 |
| LOCATION | L0001885 | VOLUME | 475791.368 | 3744012.408 | 476.00 |
| LOCATION | L0001886 | VOLUME | 475791.352 | 3744020.998 | 475.94 |
| LOCATION | L0001887 | VOLUME | 475791.336 | 3744029.588 | 475.83 |
| LOCATION | L0001888 | VOLUME | 475791.319 | 3744038.178 | 475.72 |
| LOCATION | L0001889 | VOLUME | 475791.303 | 3744046.768 | 475.61 |
| LOCATION | L0001890 | VOLUME | 475791.287 | 3744055.358 | 475.43 |
| LOCATION | L0001891 | VOLUME | 475791.270 | 3744063.948 | 475.25 |
| LOCATION | L0001892 | VOLUME | 475791.254 | 3744072.538 | 475.08 |
| LOCATION | L0001893 | VOLUME | 475791.482 | 3744081.124 | 475.00 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0001894 | VOLUME | 475791.757 | 3744089.710 | 475.00 |
| LOCATION | L0001895 | VOLUME | 475792.033 | 3744098.296 | 475.00 |
| LOCATION | L0001896 | VOLUME | 475792.308 | 3744106.881 | 474.99 |
| LOCATION | L0001897 | VOLUME | 475792.583 | 3744115.467 | 474.87 |
| LOCATION | L0001898 | VOLUME | 475792.858 | 3744124.052 | 474.74 |
| LOCATION | L0001899 | VOLUME | 475793.133 | 3744132.638 | 474.61 |
| LOCATION | L0001900 | VOLUME | 475793.408 | 3744141.224 | 474.55 |
| LOCATION | L0001901 | VOLUME | 475793.683 | 3744149.809 | 474.54 |

** End of LINE VOLUME Source ID = SLINE4

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE5

** DESCRSRC Cajalco 15%

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 6.626E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 7

** 475790.008, 3744155.508, 474.78, 3.49, 4.00

** 475661.909, 3744154.201, 477.07, 3.49, 4.00

** 475564.136, 3744153.940, 479.13, 3.49, 4.00

** 475233.172, 3744153.417, 488.71, 3.49, 4.00

** 475139.843, 3744152.632, 493.79, 3.49, 4.00

** 475055.402, 3744152.894, 497.87, 3.49, 4.00

** 474184.842, 3744151.822, 516.95, 3.49, 4.00

** -----

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0001902 | VOLUME | 475785.713 | 3744155.464 | 474.80 |
| LOCATION | L0001903 | VOLUME | 475777.123 | 3744155.377 | 475.00 |
| LOCATION | L0001904 | VOLUME | 475768.534 | 3744155.289 | 475.00 |
| LOCATION | L0001905 | VOLUME | 475759.944 | 3744155.201 | 475.00 |
| LOCATION | L0001906 | VOLUME | 475751.355 | 3744155.114 | 475.00 |
| LOCATION | L0001907 | VOLUME | 475742.765 | 3744155.026 | 475.24 |
| LOCATION | L0001908 | VOLUME | 475734.176 | 3744154.938 | 475.52 |
| LOCATION | L0001909 | VOLUME | 475725.586 | 3744154.851 | 475.81 |
| LOCATION | L0001910 | VOLUME | 475716.997 | 3744154.763 | 476.06 |
| LOCATION | L0001911 | VOLUME | 475708.407 | 3744154.675 | 476.23 |
| LOCATION | L0001912 | VOLUME | 475699.818 | 3744154.588 | 476.41 |
| LOCATION | L0001913 | VOLUME | 475691.228 | 3744154.500 | 476.58 |
| LOCATION | L0001914 | VOLUME | 475682.638 | 3744154.413 | 476.70 |
| LOCATION | L0001915 | VOLUME | 475674.049 | 3744154.325 | 476.81 |
| LOCATION | L0001916 | VOLUME | 475665.459 | 3744154.237 | 476.93 |
| LOCATION | L0001917 | VOLUME | 475656.869 | 3744154.188 | 477.10 |
| LOCATION | L0001918 | VOLUME | 475648.280 | 3744154.165 | 477.38 |
| LOCATION | L0001919 | VOLUME | 475639.690 | 3744154.142 | 477.67 |
| LOCATION | L0001920 | VOLUME | 475631.100 | 3744154.119 | 477.96 |
| LOCATION | L0001921 | VOLUME | 475622.510 | 3744154.096 | 478.24 |
| LOCATION | L0001922 | VOLUME | 475613.920 | 3744154.073 | 478.53 |
| LOCATION | L0001923 | VOLUME | 475605.330 | 3744154.050 | 478.82 |
| LOCATION | L0001924 | VOLUME | 475596.740 | 3744154.027 | 479.00 |
| LOCATION | L0001925 | VOLUME | 475588.150 | 3744154.004 | 479.00 |
| LOCATION | L0001926 | VOLUME | 475579.560 | 3744153.981 | 479.00 |
| LOCATION | L0001927 | VOLUME | 475570.970 | 3744153.958 | 479.00 |
| LOCATION | L0001928 | VOLUME | 475562.380 | 3744153.937 | 479.25 |
| LOCATION | L0001929 | VOLUME | 475553.790 | 3744153.923 | 479.53 |
| LOCATION | L0001930 | VOLUME | 475545.200 | 3744153.910 | 479.82 |
| LOCATION | L0001931 | VOLUME | 475536.610 | 3744153.896 | 480.04 |
| LOCATION | L0001932 | VOLUME | 475528.020 | 3744153.883 | 480.16 |
| LOCATION | L0001933 | VOLUME | 475519.430 | 3744153.869 | 480.28 |
| LOCATION | L0001934 | VOLUME | 475510.840 | 3744153.855 | 480.40 |
| LOCATION | L0001935 | VOLUME | 475502.250 | 3744153.842 | 480.41 |
| LOCATION | L0001936 | VOLUME | 475493.660 | 3744153.828 | 480.41 |
| LOCATION | L0001937 | VOLUME | 475485.070 | 3744153.815 | 480.41 |
| LOCATION | L0001938 | VOLUME | 475476.480 | 3744153.801 | 480.37 |
| LOCATION | L0001939 | VOLUME | 475467.890 | 3744153.788 | 480.25 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0001940 | VOLUME | 475459.300 | 3744153.774 | 480.13 |
| LOCATION | L0001941 | VOLUME | 475450.710 | 3744153.760 | 480.01 |
| LOCATION | L0001942 | VOLUME | 475442.120 | 3744153.747 | 480.26 |
| LOCATION | L0001943 | VOLUME | 475433.530 | 3744153.733 | 480.54 |
| LOCATION | L0001944 | VOLUME | 475424.940 | 3744153.720 | 480.83 |
| LOCATION | L0001945 | VOLUME | 475416.350 | 3744153.706 | 481.00 |
| LOCATION | L0001946 | VOLUME | 475407.760 | 3744153.693 | 481.00 |
| LOCATION | L0001947 | VOLUME | 475399.170 | 3744153.679 | 481.00 |
| LOCATION | L0001948 | VOLUME | 475390.580 | 3744153.665 | 481.00 |
| LOCATION | L0001949 | VOLUME | 475381.990 | 3744153.652 | 481.26 |
| LOCATION | L0001950 | VOLUME | 475373.400 | 3744153.638 | 481.55 |
| LOCATION | L0001951 | VOLUME | 475364.810 | 3744153.625 | 481.83 |
| LOCATION | L0001952 | VOLUME | 475356.220 | 3744153.611 | 482.24 |
| LOCATION | L0001953 | VOLUME | 475347.630 | 3744153.598 | 482.81 |
| LOCATION | L0001954 | VOLUME | 475339.040 | 3744153.584 | 483.38 |
| LOCATION | L0001955 | VOLUME | 475330.450 | 3744153.570 | 483.96 |
| LOCATION | L0001956 | VOLUME | 475321.860 | 3744153.557 | 484.38 |
| LOCATION | L0001957 | VOLUME | 475313.270 | 3744153.543 | 484.78 |
| LOCATION | L0001958 | VOLUME | 475304.680 | 3744153.530 | 485.19 |
| LOCATION | L0001959 | VOLUME | 475296.090 | 3744153.516 | 485.62 |
| LOCATION | L0001960 | VOLUME | 475287.500 | 3744153.503 | 486.07 |
| LOCATION | L0001961 | VOLUME | 475278.910 | 3744153.489 | 486.52 |
| LOCATION | L0001962 | VOLUME | 475270.320 | 3744153.475 | 486.97 |
| LOCATION | L0001963 | VOLUME | 475261.730 | 3744153.462 | 487.42 |
| LOCATION | L0001964 | VOLUME | 475253.140 | 3744153.448 | 487.88 |
| LOCATION | L0001965 | VOLUME | 475244.550 | 3744153.435 | 488.33 |
| LOCATION | L0001966 | VOLUME | 475235.960 | 3744153.421 | 488.76 |
| LOCATION | L0001967 | VOLUME | 475227.370 | 3744153.368 | 489.16 |
| LOCATION | L0001968 | VOLUME | 475218.781 | 3744153.296 | 489.57 |
| LOCATION | L0001969 | VOLUME | 475210.191 | 3744153.224 | 489.98 |
| LOCATION | L0001970 | VOLUME | 475201.601 | 3744153.151 | 490.43 |
| LOCATION | L0001971 | VOLUME | 475193.012 | 3744153.079 | 490.87 |
| LOCATION | L0001972 | VOLUME | 475184.422 | 3744153.007 | 491.32 |
| LOCATION | L0001973 | VOLUME | 475175.832 | 3744152.935 | 491.75 |
| LOCATION | L0001974 | VOLUME | 475167.243 | 3744152.863 | 492.16 |
| LOCATION | L0001975 | VOLUME | 475158.653 | 3744152.791 | 492.57 |
| LOCATION | L0001976 | VOLUME | 475150.063 | 3744152.718 | 492.99 |
| LOCATION | L0001977 | VOLUME | 475141.473 | 3744152.646 | 493.43 |
| LOCATION | L0001978 | VOLUME | 475132.884 | 3744152.654 | 493.87 |
| LOCATION | L0001979 | VOLUME | 475124.294 | 3744152.681 | 494.32 |
| LOCATION | L0001980 | VOLUME | 475115.704 | 3744152.707 | 494.61 |
| LOCATION | L0001981 | VOLUME | 475107.114 | 3744152.734 | 494.74 |
| LOCATION | L0001982 | VOLUME | 475098.524 | 3744152.760 | 494.87 |
| LOCATION | L0001983 | VOLUME | 475089.934 | 3744152.787 | 495.00 |
| LOCATION | L0001984 | VOLUME | 475081.344 | 3744152.814 | 495.75 |
| LOCATION | L0001985 | VOLUME | 475072.754 | 3744152.840 | 496.51 |
| LOCATION | L0001986 | VOLUME | 475064.164 | 3744152.867 | 497.28 |
| LOCATION | L0001987 | VOLUME | 475055.574 | 3744152.893 | 497.75 |
| LOCATION | L0001988 | VOLUME | 475046.984 | 3744152.884 | 497.91 |
| LOCATION | L0001989 | VOLUME | 475038.394 | 3744152.873 | 498.06 |
| LOCATION | L0001990 | VOLUME | 475029.804 | 3744152.862 | 498.22 |
| LOCATION | L0001991 | VOLUME | 475021.214 | 3744152.852 | 498.48 |
| LOCATION | L0001992 | VOLUME | 475012.624 | 3744152.841 | 498.73 |
| LOCATION | L0001993 | VOLUME | 475004.034 | 3744152.831 | 498.98 |
| LOCATION | L0001994 | VOLUME | 474995.444 | 3744152.820 | 499.32 |
| LOCATION | L0001995 | VOLUME | 474986.854 | 3744152.809 | 499.73 |
| LOCATION | L0001996 | VOLUME | 474978.264 | 3744152.799 | 500.15 |
| LOCATION | L0001997 | VOLUME | 474969.674 | 3744152.788 | 500.56 |
| LOCATION | L0001998 | VOLUME | 474961.084 | 3744152.778 | 500.84 |
| LOCATION | L0001999 | VOLUME | 474952.494 | 3744152.767 | 501.13 |
| LOCATION | L0002000 | VOLUME | 474943.904 | 3744152.757 | 501.42 |
| LOCATION | L0002001 | VOLUME | 474935.314 | 3744152.746 | 501.93 |
| LOCATION | L0002002 | VOLUME | 474926.724 | 3744152.735 | 502.66 |
| LOCATION | L0002003 | VOLUME | 474918.134 | 3744152.725 | 503.39 |
| LOCATION | L0002004 | VOLUME | 474909.544 | 3744152.714 | 504.12 |
| LOCATION | L0002005 | VOLUME | 474900.954 | 3744152.704 | 504.69 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002006 | VOLUME | 474892.364 | 3744152.693 | 505.26 |
| LOCATION | L0002007 | VOLUME | 474883.774 | 3744152.683 | 505.83 |
| LOCATION | L0002008 | VOLUME | 474875.184 | 3744152.672 | 506.42 |
| LOCATION | L0002009 | VOLUME | 474866.594 | 3744152.661 | 507.02 |
| LOCATION | L0002010 | VOLUME | 474858.004 | 3744152.651 | 507.62 |
| LOCATION | L0002011 | VOLUME | 474849.414 | 3744152.640 | 508.22 |
| LOCATION | L0002012 | VOLUME | 474840.824 | 3744152.630 | 508.79 |
| LOCATION | L0002013 | VOLUME | 474832.234 | 3744152.619 | 509.36 |
| LOCATION | L0002014 | VOLUME | 474823.644 | 3744152.609 | 509.93 |
| LOCATION | L0002015 | VOLUME | 474815.054 | 3744152.598 | 510.26 |
| LOCATION | L0002016 | VOLUME | 474806.464 | 3744152.587 | 510.39 |
| LOCATION | L0002017 | VOLUME | 474797.874 | 3744152.577 | 510.52 |
| LOCATION | L0002018 | VOLUME | 474789.284 | 3744152.566 | 510.63 |
| LOCATION | L0002019 | VOLUME | 474780.694 | 3744152.556 | 510.47 |
| LOCATION | L0002020 | VOLUME | 474772.104 | 3744152.545 | 510.31 |
| LOCATION | L0002021 | VOLUME | 474763.514 | 3744152.535 | 510.16 |
| LOCATION | L0002022 | VOLUME | 474754.924 | 3744152.524 | 510.32 |
| LOCATION | L0002023 | VOLUME | 474746.334 | 3744152.513 | 510.74 |
| LOCATION | L0002024 | VOLUME | 474737.744 | 3744152.503 | 511.16 |
| LOCATION | L0002025 | VOLUME | 474729.154 | 3744152.492 | 511.56 |
| LOCATION | L0002026 | VOLUME | 474720.564 | 3744152.482 | 511.85 |
| LOCATION | L0002027 | VOLUME | 474711.974 | 3744152.471 | 512.14 |
| LOCATION | L0002028 | VOLUME | 474703.384 | 3744152.461 | 512.42 |
| LOCATION | L0002029 | VOLUME | 474694.794 | 3744152.450 | 512.71 |
| LOCATION | L0002030 | VOLUME | 474686.204 | 3744152.439 | 512.99 |
| LOCATION | L0002031 | VOLUME | 474677.614 | 3744152.429 | 513.28 |
| LOCATION | L0002032 | VOLUME | 474669.024 | 3744152.418 | 513.57 |
| LOCATION | L0002033 | VOLUME | 474660.434 | 3744152.408 | 513.85 |
| LOCATION | L0002034 | VOLUME | 474651.844 | 3744152.397 | 514.14 |
| LOCATION | L0002035 | VOLUME | 474643.254 | 3744152.387 | 514.42 |
| LOCATION | L0002036 | VOLUME | 474634.664 | 3744152.376 | 514.54 |
| LOCATION | L0002037 | VOLUME | 474626.074 | 3744152.365 | 514.54 |
| LOCATION | L0002038 | VOLUME | 474617.484 | 3744152.355 | 514.54 |
| LOCATION | L0002039 | VOLUME | 474608.894 | 3744152.344 | 514.57 |
| LOCATION | L0002040 | VOLUME | 474600.304 | 3744152.334 | 514.85 |
| LOCATION | L0002041 | VOLUME | 474591.714 | 3744152.323 | 515.14 |
| LOCATION | L0002042 | VOLUME | 474583.124 | 3744152.313 | 515.43 |
| LOCATION | L0002043 | VOLUME | 474574.534 | 3744152.302 | 515.89 |
| LOCATION | L0002044 | VOLUME | 474565.944 | 3744152.291 | 516.46 |
| LOCATION | L0002045 | VOLUME | 474557.354 | 3744152.281 | 517.03 |
| LOCATION | L0002046 | VOLUME | 474548.764 | 3744152.270 | 517.57 |
| LOCATION | L0002047 | VOLUME | 474540.174 | 3744152.260 | 517.86 |
| LOCATION | L0002048 | VOLUME | 474531.584 | 3744152.249 | 518.14 |
| LOCATION | L0002049 | VOLUME | 474522.994 | 3744152.238 | 518.43 |
| LOCATION | L0002050 | VOLUME | 474514.404 | 3744152.228 | 518.63 |
| LOCATION | L0002051 | VOLUME | 474505.814 | 3744152.217 | 518.78 |
| LOCATION | L0002052 | VOLUME | 474497.224 | 3744152.207 | 518.93 |
| LOCATION | L0002053 | VOLUME | 474488.634 | 3744152.196 | 519.10 |
| LOCATION | L0002054 | VOLUME | 474480.044 | 3744152.186 | 519.39 |
| LOCATION | L0002055 | VOLUME | 474471.454 | 3744152.175 | 519.68 |
| LOCATION | L0002056 | VOLUME | 474462.864 | 3744152.164 | 519.96 |
| LOCATION | L0002057 | VOLUME | 474454.274 | 3744152.154 | 520.15 |
| LOCATION | L0002058 | VOLUME | 474445.684 | 3744152.143 | 520.28 |
| LOCATION | L0002059 | VOLUME | 474437.094 | 3744152.133 | 520.42 |
| LOCATION | L0002060 | VOLUME | 474428.504 | 3744152.122 | 520.51 |
| LOCATION | L0002061 | VOLUME | 474419.914 | 3744152.112 | 520.38 |
| LOCATION | L0002062 | VOLUME | 474411.324 | 3744152.101 | 520.24 |
| LOCATION | L0002063 | VOLUME | 474402.734 | 3744152.090 | 520.11 |
| LOCATION | L0002064 | VOLUME | 474394.144 | 3744152.080 | 519.87 |
| LOCATION | L0002065 | VOLUME | 474385.554 | 3744152.069 | 519.58 |
| LOCATION | L0002066 | VOLUME | 474376.964 | 3744152.059 | 519.30 |
| LOCATION | L0002067 | VOLUME | 474368.374 | 3744152.048 | 519.06 |
| LOCATION | L0002068 | VOLUME | 474359.784 | 3744152.038 | 519.06 |
| LOCATION | L0002069 | VOLUME | 474351.194 | 3744152.027 | 519.05 |
| LOCATION | L0002070 | VOLUME | 474342.604 | 3744152.016 | 519.05 |
| LOCATION | L0002071 | VOLUME | 474334.014 | 3744152.006 | 519.14 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002072 | VOLUME | 474325.424 | 3744151.995 | 519.28 |
| LOCATION | L0002073 | VOLUME | 474316.835 | 3744151.985 | 519.41 |
| LOCATION | L0002074 | VOLUME | 474308.245 | 3744151.974 | 519.47 |
| LOCATION | L0002075 | VOLUME | 474299.655 | 3744151.964 | 519.19 |
| LOCATION | L0002076 | VOLUME | 474291.065 | 3744151.953 | 518.90 |
| LOCATION | L0002077 | VOLUME | 474282.475 | 3744151.942 | 518.61 |
| LOCATION | L0002078 | VOLUME | 474273.885 | 3744151.932 | 518.52 |
| LOCATION | L0002079 | VOLUME | 474265.295 | 3744151.921 | 518.52 |
| LOCATION | L0002080 | VOLUME | 474256.705 | 3744151.911 | 518.52 |
| LOCATION | L0002081 | VOLUME | 474248.115 | 3744151.900 | 518.47 |
| LOCATION | L0002082 | VOLUME | 474239.525 | 3744151.890 | 518.18 |
| LOCATION | L0002083 | VOLUME | 474230.935 | 3744151.879 | 517.89 |
| LOCATION | L0002084 | VOLUME | 474222.345 | 3744151.868 | 517.61 |
| LOCATION | L0002085 | VOLUME | 474213.755 | 3744151.858 | 517.42 |
| LOCATION | L0002086 | VOLUME | 474205.165 | 3744151.847 | 517.27 |
| LOCATION | L0002087 | VOLUME | 474196.575 | 3744151.837 | 517.12 |
| LOCATION | L0002088 | VOLUME | 474187.985 | 3744151.826 | 516.94 |

** End of LINE VOLUME Source ID = SLINE5

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE6

** DESCRSRC Cajalco 60%

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 0.0000125

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 14

** 475798.383, 3744154.980, 474.50, 3.49, 4.00

** 475843.240, 3744155.796, 473.26, 3.49, 4.00

** 475887.282, 3744161.505, 473.10, 3.49, 4.00

** 475929.693, 3744172.923, 472.07, 3.49, 4.00

** 475964.760, 3744185.061, 471.88, 3.49, 4.00

** 476012.748, 3744206.902, 471.00, 3.49, 4.00

** 476055.198, 3744232.126, 470.08, 3.49, 4.00

** 476092.419, 3744258.580, 469.69, 3.49, 4.00

** 476125.025, 3744289.033, 469.00, 3.49, 4.00

** 476149.634, 3744318.256, 468.11, 3.49, 4.00

** 476186.240, 3744364.706, 467.00, 3.49, 4.00

** 476203.774, 3744385.623, 467.00, 3.49, 4.00

** 476317.897, 3744549.887, 463.04, 3.49, 4.00

** 476356.964, 3744604.334, 463.00, 3.49, 4.00

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| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002089 | VOLUME | 475802.677 | 3744155.058 | 474.24 |
| LOCATION | L0002090 | VOLUME | 475811.266 | 3744155.214 | 473.97 |
| LOCATION | L0002091 | VOLUME | 475819.854 | 3744155.370 | 473.79 |
| LOCATION | L0002092 | VOLUME | 475828.443 | 3744155.527 | 473.60 |
| LOCATION | L0002093 | VOLUME | 475837.031 | 3744155.683 | 473.41 |
| LOCATION | L0002094 | VOLUME | 475845.601 | 3744156.102 | 473.34 |
| LOCATION | L0002095 | VOLUME | 475854.119 | 3744157.206 | 473.30 |
| LOCATION | L0002096 | VOLUME | 475862.638 | 3744158.310 | 473.26 |
| LOCATION | L0002097 | VOLUME | 475871.157 | 3744159.414 | 473.22 |
| LOCATION | L0002098 | VOLUME | 475879.675 | 3744160.519 | 473.13 |
| LOCATION | L0002099 | VOLUME | 475888.170 | 3744161.744 | 473.06 |
| LOCATION | L0002100 | VOLUME | 475896.465 | 3744163.977 | 473.01 |
| LOCATION | L0002101 | VOLUME | 475904.760 | 3744166.210 | 472.84 |
| LOCATION | L0002102 | VOLUME | 475913.054 | 3744168.443 | 472.52 |
| LOCATION | L0002103 | VOLUME | 475921.349 | 3744170.677 | 472.24 |
| LOCATION | L0002104 | VOLUME | 475929.643 | 3744172.910 | 472.00 |
| LOCATION | L0002105 | VOLUME | 475937.762 | 3744175.716 | 472.00 |
| LOCATION | L0002106 | VOLUME | 475945.879 | 3744178.526 | 472.00 |
| LOCATION | L0002107 | VOLUME | 475953.997 | 3744181.336 | 472.00 |
| LOCATION | L0002108 | VOLUME | 475962.114 | 3744184.145 | 471.95 |
| LOCATION | L0002109 | VOLUME | 475970.030 | 3744187.460 | 471.76 |
| LOCATION | L0002110 | VOLUME | 475977.849 | 3744191.018 | 471.50 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002111 | VOLUME | 475985.667 | 3744194.576 | 471.19 |
| LOCATION | L0002112 | VOLUME | 475993.485 | 3744198.135 | 471.00 |
| LOCATION | L0002113 | VOLUME | 476001.304 | 3744201.693 | 471.00 |
| LOCATION | L0002114 | VOLUME | 476009.122 | 3744205.251 | 471.00 |
| LOCATION | L0002115 | VOLUME | 476016.708 | 3744209.255 | 471.00 |
| LOCATION | L0002116 | VOLUME | 476024.092 | 3744213.643 | 470.92 |
| LOCATION | L0002117 | VOLUME | 476031.477 | 3744218.031 | 470.72 |
| LOCATION | L0002118 | VOLUME | 476038.862 | 3744222.419 | 470.45 |
| LOCATION | L0002119 | VOLUME | 476046.246 | 3744226.807 | 470.12 |
| LOCATION | L0002120 | VOLUME | 476053.631 | 3744231.195 | 470.00 |
| LOCATION | L0002121 | VOLUME | 476060.714 | 3744236.046 | 470.00 |
| LOCATION | L0002122 | VOLUME | 476067.716 | 3744241.023 | 470.00 |
| LOCATION | L0002123 | VOLUME | 476074.717 | 3744245.999 | 470.00 |
| LOCATION | L0002124 | VOLUME | 476081.719 | 3744250.975 | 469.95 |
| LOCATION | L0002125 | VOLUME | 476088.721 | 3744255.952 | 469.71 |
| LOCATION | L0002126 | VOLUME | 476095.381 | 3744261.347 | 469.40 |
| LOCATION | L0002127 | VOLUME | 476101.659 | 3744267.210 | 469.17 |
| LOCATION | L0002128 | VOLUME | 476107.936 | 3744273.073 | 469.03 |
| LOCATION | L0002129 | VOLUME | 476114.214 | 3744278.936 | 469.00 |
| LOCATION | L0002130 | VOLUME | 476120.492 | 3744284.800 | 469.00 |
| LOCATION | L0002131 | VOLUME | 476126.563 | 3744290.859 | 468.91 |
| LOCATION | L0002132 | VOLUME | 476132.096 | 3744297.430 | 468.72 |
| LOCATION | L0002133 | VOLUME | 476137.629 | 3744304.000 | 468.45 |
| LOCATION | L0002134 | VOLUME | 476143.162 | 3744310.571 | 468.17 |
| LOCATION | L0002135 | VOLUME | 476148.695 | 3744317.142 | 467.99 |
| LOCATION | L0002136 | VOLUME | 476154.049 | 3744323.858 | 467.88 |
| LOCATION | L0002137 | VOLUME | 476159.366 | 3744330.605 | 467.69 |
| LOCATION | L0002138 | VOLUME | 476164.683 | 3744337.352 | 467.42 |
| LOCATION | L0002139 | VOLUME | 476170.000 | 3744344.099 | 467.07 |
| LOCATION | L0002140 | VOLUME | 476175.317 | 3744350.845 | 467.00 |
| LOCATION | L0002141 | VOLUME | 476180.634 | 3744357.592 | 467.00 |
| LOCATION | L0002142 | VOLUME | 476185.951 | 3744364.339 | 467.00 |
| LOCATION | L0002143 | VOLUME | 476191.458 | 3744370.931 | 467.00 |
| LOCATION | L0002144 | VOLUME | 476196.976 | 3744377.514 | 466.96 |
| LOCATION | L0002145 | VOLUME | 476202.494 | 3744384.097 | 466.74 |
| LOCATION | L0002146 | VOLUME | 476207.539 | 3744391.042 | 466.50 |
| LOCATION | L0002147 | VOLUME | 476212.440 | 3744398.097 | 466.27 |
| LOCATION | L0002148 | VOLUME | 476217.341 | 3744405.151 | 466.03 |
| LOCATION | L0002149 | VOLUME | 476222.242 | 3744412.206 | 466.00 |
| LOCATION | L0002150 | VOLUME | 476227.143 | 3744419.260 | 466.00 |
| LOCATION | L0002151 | VOLUME | 476232.045 | 3744426.315 | 465.95 |
| LOCATION | L0002152 | VOLUME | 476236.946 | 3744433.370 | 465.79 |
| LOCATION | L0002153 | VOLUME | 476241.847 | 3744440.424 | 465.52 |
| LOCATION | L0002154 | VOLUME | 476246.748 | 3744447.479 | 465.27 |
| LOCATION | L0002155 | VOLUME | 476251.649 | 3744454.533 | 465.11 |
| LOCATION | L0002156 | VOLUME | 476256.550 | 3744461.588 | 465.02 |
| LOCATION | L0002157 | VOLUME | 476261.452 | 3744468.642 | 465.00 |
| LOCATION | L0002158 | VOLUME | 476266.353 | 3744475.697 | 464.93 |
| LOCATION | L0002159 | VOLUME | 476271.254 | 3744482.751 | 464.79 |
| LOCATION | L0002160 | VOLUME | 476276.155 | 3744489.806 | 464.57 |
| LOCATION | L0002161 | VOLUME | 476281.056 | 3744496.860 | 464.29 |
| LOCATION | L0002162 | VOLUME | 476285.958 | 3744503.915 | 464.10 |
| LOCATION | L0002163 | VOLUME | 476290.859 | 3744510.969 | 463.98 |
| LOCATION | L0002164 | VOLUME | 476295.760 | 3744518.024 | 463.86 |
| LOCATION | L0002165 | VOLUME | 476300.661 | 3744525.078 | 463.65 |
| LOCATION | L0002166 | VOLUME | 476305.562 | 3744532.133 | 463.48 |
| LOCATION | L0002167 | VOLUME | 476310.463 | 3744539.188 | 463.31 |
| LOCATION | L0002168 | VOLUME | 476315.365 | 3744546.242 | 463.15 |
| LOCATION | L0002169 | VOLUME | 476320.317 | 3744553.260 | 463.00 |
| LOCATION | L0002170 | VOLUME | 476325.325 | 3744560.240 | 463.00 |
| LOCATION | L0002171 | VOLUME | 476330.333 | 3744567.219 | 463.00 |
| LOCATION | L0002172 | VOLUME | 476335.341 | 3744574.198 | 463.00 |
| LOCATION | L0002173 | VOLUME | 476340.348 | 3744581.177 | 463.00 |
| LOCATION | L0002174 | VOLUME | 476345.356 | 3744588.157 | 463.00 |
| LOCATION | L0002175 | VOLUME | 476350.364 | 3744595.136 | 463.00 |
| LOCATION | L0002176 | VOLUME | 476355.372 | 3744602.115 | 463.00 |

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** End of LINE VOLUME Source ID = SLINE6
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC Cajalco 55%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 8.855E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 7
** 476358.380, 3744609.906, 463.00, 3.49, 6.51
** 476397.864, 3744663.534, 462.06, 3.49, 6.51
** 476443.242, 3744707.734, 460.99, 3.49, 6.51
** 476494.513, 3744747.218, 460.14, 3.49, 6.51
** 476545.784, 3744774.916, 459.52, 3.49, 6.51
** 476654.220, 3744816.169, 457.25, 3.49, 6.51
** 476856.357, 3744892.781, 456.00, 3.49, 6.51
** -----
LOCATION L0002177      VOLUME  476362.530 3744615.543 463.00
LOCATION L0002178      VOLUME  476370.831 3744626.817 462.75
LOCATION L0002179      VOLUME  476379.131 3744638.091 462.29
LOCATION L0002180      VOLUME  476387.432 3744649.365 462.00
LOCATION L0002181      VOLUME  476395.732 3744660.639 462.00
LOCATION L0002182      VOLUME  476405.317 3744670.794 462.00
LOCATION L0002183      VOLUME  476415.346 3744680.562 461.82
LOCATION L0002184      VOLUME  476425.375 3744690.331 461.48
LOCATION L0002185      VOLUME  476435.404 3744700.099 461.15
LOCATION L0002186      VOLUME  476445.665 3744709.599 460.83
LOCATION L0002187      VOLUME  476456.757 3744718.142 460.66
LOCATION L0002188      VOLUME  476467.849 3744726.684 460.70
LOCATION L0002189      VOLUME  476478.941 3744735.226 460.67
LOCATION L0002190      VOLUME  476490.033 3744743.768 460.24
LOCATION L0002191      VOLUME  476501.855 3744751.185 460.00
LOCATION L0002192      VOLUME  476514.173 3744757.839 460.00
LOCATION L0002193      VOLUME  476526.490 3744764.493 460.00
LOCATION L0002194      VOLUME  476538.808 3744771.148 459.70
LOCATION L0002195      VOLUME  476551.458 3744777.075 459.28
LOCATION L0002196      VOLUME  476564.543 3744782.053 458.84
LOCATION L0002197      VOLUME  476577.628 3744787.031 458.41
LOCATION L0002198      VOLUME  476590.713 3744792.009 458.00
LOCATION L0002199      VOLUME  476603.799 3744796.987 458.00
LOCATION L0002200      VOLUME  476616.884 3744801.965 458.00
LOCATION L0002201      VOLUME  476629.969 3744806.943 457.88
LOCATION L0002202      VOLUME  476643.054 3744811.921 457.59
LOCATION L0002203      VOLUME  476656.140 3744816.897 457.24
LOCATION L0002204      VOLUME  476669.231 3744821.858 457.05
LOCATION L0002205      VOLUME  476682.322 3744826.820 457.00
LOCATION L0002206      VOLUME  476695.414 3744831.782 457.00
LOCATION L0002207      VOLUME  476708.505 3744836.744 457.00
LOCATION L0002208      VOLUME  476721.596 3744841.705 457.00
LOCATION L0002209      VOLUME  476734.687 3744846.667 457.00
LOCATION L0002210      VOLUME  476747.779 3744851.629 457.00
LOCATION L0002211      VOLUME  476760.870 3744856.590 457.00
LOCATION L0002212      VOLUME  476773.961 3744861.552 457.00
LOCATION L0002213      VOLUME  476787.052 3744866.514 457.00
LOCATION L0002214      VOLUME  476800.144 3744871.476 456.00
LOCATION L0002215      VOLUME  476813.235 3744876.437 456.00
LOCATION L0002216      VOLUME  476826.326 3744881.399 456.00
LOCATION L0002217      VOLUME  476839.418 3744886.361 456.00
LOCATION L0002218      VOLUME  476852.509 3744891.322 456.00
** End of LINE VOLUME Source ID = SLINE7
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE9

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** DESCRSRC Seaton 25%
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001123
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 9
** 475790.448, 3743807.111, 475.05, 3.49, 4.00
** 475793.328, 3743363.730, 476.12, 3.49, 4.00
** 475801.965, 3743347.415, 476.00, 3.49, 4.00
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** 476141.699, 3743354.133, 475.99, 3.49, 4.00
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** 476651.300, 3743370.448, 465.99, 3.49, 4.00
** 476970.880, 3743377.166, 460.36, 3.49, 4.00
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LOCATION L0002219      VOLUME  475790.476 3743802.816 475.00
LOCATION L0002220      VOLUME  475790.532 3743794.227 475.00
LOCATION L0002221      VOLUME  475790.588 3743785.637 475.00
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LOCATION L0002224      VOLUME  475790.755 3743759.867 474.80
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LOCATION L0002226      VOLUME  475790.867 3743742.688 474.63
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LOCATION L0002240      VOLUME  475791.648 3743622.430 472.13
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LOCATION L0002250      VOLUME  475792.205 3743536.532 473.58
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LOCATION L0002255      VOLUME  475792.484 3743493.583 474.00
LOCATION L0002256      VOLUME  475792.540 3743484.993 474.28
LOCATION L0002257      VOLUME  475792.596 3743476.403 474.57
LOCATION L0002258      VOLUME  475792.652 3743467.814 474.69
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| LOCATION | L0002268 | VOLUME | 475793.209 | 3743381.915 | 476.48 |
| LOCATION | L0002269 | VOLUME | 475793.265 | 3743373.326 | 476.32 |
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| LOCATION | L0002286 | VOLUME | 475919.372 | 3743345.711 | 474.00 |
| LOCATION | L0002287 | VOLUME | 475927.956 | 3743346.037 | 474.00 |
| LOCATION | L0002288 | VOLUME | 475936.540 | 3743346.362 | 473.85 |
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| LOCATION | L0002291 | VOLUME | 475962.291 | 3743347.337 | 473.29 |
| LOCATION | L0002292 | VOLUME | 475970.875 | 3743347.662 | 473.28 |
| LOCATION | L0002293 | VOLUME | 475979.459 | 3743347.987 | 473.27 |
| LOCATION | L0002294 | VOLUME | 475988.043 | 3743348.313 | 473.26 |
| LOCATION | L0002295 | VOLUME | 475996.627 | 3743348.638 | 473.25 |
| LOCATION | L0002296 | VOLUME | 476005.211 | 3743348.963 | 473.24 |
| LOCATION | L0002297 | VOLUME | 476013.795 | 3743349.288 | 473.23 |
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| LOCATION | L0002299 | VOLUME | 476030.962 | 3743349.938 | 473.21 |
| LOCATION | L0002300 | VOLUME | 476039.546 | 3743350.263 | 473.20 |
| LOCATION | L0002301 | VOLUME | 476048.130 | 3743350.589 | 473.19 |
| LOCATION | L0002302 | VOLUME | 476056.714 | 3743350.914 | 473.36 |
| LOCATION | L0002303 | VOLUME | 476065.298 | 3743351.239 | 473.60 |
| LOCATION | L0002304 | VOLUME | 476073.881 | 3743351.564 | 473.83 |
| LOCATION | L0002305 | VOLUME | 476082.465 | 3743351.889 | 474.09 |
| LOCATION | L0002306 | VOLUME | 476091.049 | 3743352.214 | 474.37 |
| LOCATION | L0002307 | VOLUME | 476099.633 | 3743352.539 | 474.66 |
| LOCATION | L0002308 | VOLUME | 476108.217 | 3743352.865 | 474.95 |
| LOCATION | L0002309 | VOLUME | 476116.801 | 3743353.190 | 475.23 |
| LOCATION | L0002310 | VOLUME | 476125.385 | 3743353.515 | 475.52 |
| LOCATION | L0002311 | VOLUME | 476133.968 | 3743353.840 | 475.80 |
| LOCATION | L0002312 | VOLUME | 476142.553 | 3743354.142 | 476.00 |
| LOCATION | L0002313 | VOLUME | 476151.142 | 3743354.230 | 476.00 |
| LOCATION | L0002314 | VOLUME | 476159.732 | 3743354.318 | 476.00 |
| LOCATION | L0002315 | VOLUME | 476168.321 | 3743354.406 | 476.00 |
| LOCATION | L0002316 | VOLUME | 476176.911 | 3743354.495 | 475.76 |
| LOCATION | L0002317 | VOLUME | 476185.500 | 3743354.583 | 475.48 |
| LOCATION | L0002318 | VOLUME | 476194.090 | 3743354.671 | 475.19 |
| LOCATION | L0002319 | VOLUME | 476202.680 | 3743354.759 | 474.91 |
| LOCATION | L0002320 | VOLUME | 476211.269 | 3743354.848 | 474.64 |
| LOCATION | L0002321 | VOLUME | 476219.859 | 3743354.936 | 474.36 |
| LOCATION | L0002322 | VOLUME | 476228.448 | 3743355.024 | 474.08 |
| LOCATION | L0002323 | VOLUME | 476237.038 | 3743355.112 | 474.03 |
| LOCATION | L0002324 | VOLUME | 476245.627 | 3743355.201 | 474.02 |
| LOCATION | L0002325 | VOLUME | 476254.217 | 3743355.289 | 474.01 |
| LOCATION | L0002326 | VOLUME | 476262.806 | 3743355.377 | 473.90 |
| LOCATION | L0002327 | VOLUME | 476271.396 | 3743355.465 | 473.62 |
| LOCATION | L0002328 | VOLUME | 476279.986 | 3743355.554 | 473.34 |
| LOCATION | L0002329 | VOLUME | 476288.575 | 3743355.642 | 473.06 |
| LOCATION | L0002330 | VOLUME | 476297.165 | 3743355.730 | 473.01 |
| LOCATION | L0002331 | VOLUME | 476305.754 | 3743355.818 | 473.01 |
| LOCATION | L0002332 | VOLUME | 476314.344 | 3743355.907 | 473.01 |

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| LOCATION | L0002333 | VOLUME | 476322.933 | 3743355.995 | 473.01 |
| LOCATION | L0002334 | VOLUME | 476331.523 | 3743356.083 | 473.00 |
| LOCATION | L0002335 | VOLUME | 476340.112 | 3743356.171 | 473.00 |
| LOCATION | L0002336 | VOLUME | 476348.702 | 3743356.260 | 473.00 |
| LOCATION | L0002337 | VOLUME | 476357.291 | 3743356.348 | 472.75 |
| LOCATION | L0002338 | VOLUME | 476365.881 | 3743356.436 | 472.46 |
| LOCATION | L0002339 | VOLUME | 476374.471 | 3743356.524 | 472.18 |
| LOCATION | L0002340 | VOLUME | 476383.060 | 3743356.613 | 472.00 |
| LOCATION | L0002341 | VOLUME | 476391.650 | 3743356.701 | 471.99 |
| LOCATION | L0002342 | VOLUME | 476400.239 | 3743356.789 | 471.99 |
| LOCATION | L0002343 | VOLUME | 476408.829 | 3743356.877 | 471.98 |
| LOCATION | L0002344 | VOLUME | 476417.418 | 3743356.966 | 471.72 |
| LOCATION | L0002345 | VOLUME | 476426.001 | 3743357.250 | 471.43 |
| LOCATION | L0002346 | VOLUME | 476434.576 | 3743357.753 | 471.12 |
| LOCATION | L0002347 | VOLUME | 476443.152 | 3743358.255 | 470.83 |
| LOCATION | L0002348 | VOLUME | 476451.727 | 3743358.757 | 470.55 |
| LOCATION | L0002349 | VOLUME | 476460.302 | 3743359.260 | 470.29 |
| LOCATION | L0002350 | VOLUME | 476468.878 | 3743359.762 | 470.03 |
| LOCATION | L0002351 | VOLUME | 476477.453 | 3743360.264 | 470.00 |
| LOCATION | L0002352 | VOLUME | 476486.028 | 3743360.767 | 470.00 |
| LOCATION | L0002353 | VOLUME | 476494.603 | 3743361.269 | 470.00 |
| LOCATION | L0002354 | VOLUME | 476503.179 | 3743361.771 | 469.98 |
| LOCATION | L0002355 | VOLUME | 476511.754 | 3743362.274 | 469.92 |
| LOCATION | L0002356 | VOLUME | 476520.329 | 3743362.776 | 469.85 |
| LOCATION | L0002357 | VOLUME | 476528.905 | 3743363.278 | 469.77 |
| LOCATION | L0002358 | VOLUME | 476537.480 | 3743363.780 | 469.49 |
| LOCATION | L0002359 | VOLUME | 476546.055 | 3743364.283 | 469.19 |
| LOCATION | L0002360 | VOLUME | 476554.631 | 3743364.785 | 468.89 |
| LOCATION | L0002361 | VOLUME | 476563.206 | 3743365.287 | 468.58 |
| LOCATION | L0002362 | VOLUME | 476571.781 | 3743365.790 | 468.28 |
| LOCATION | L0002363 | VOLUME | 476580.356 | 3743366.292 | 467.98 |
| LOCATION | L0002364 | VOLUME | 476588.932 | 3743366.794 | 467.68 |
| LOCATION | L0002365 | VOLUME | 476597.507 | 3743367.297 | 467.47 |
| LOCATION | L0002366 | VOLUME | 476606.082 | 3743367.799 | 467.28 |
| LOCATION | L0002367 | VOLUME | 476614.658 | 3743368.301 | 467.10 |
| LOCATION | L0002368 | VOLUME | 476623.233 | 3743368.804 | 466.89 |
| LOCATION | L0002369 | VOLUME | 476631.808 | 3743369.306 | 466.60 |
| LOCATION | L0002370 | VOLUME | 476640.384 | 3743369.808 | 466.32 |
| LOCATION | L0002371 | VOLUME | 476648.959 | 3743370.311 | 466.03 |
| LOCATION | L0002372 | VOLUME | 476657.543 | 3743370.579 | 465.88 |
| LOCATION | L0002373 | VOLUME | 476666.132 | 3743370.760 | 465.74 |
| LOCATION | L0002374 | VOLUME | 476674.720 | 3743370.940 | 465.59 |
| LOCATION | L0002375 | VOLUME | 476683.308 | 3743371.121 | 465.44 |
| LOCATION | L0002376 | VOLUME | 476691.896 | 3743371.301 | 465.30 |
| LOCATION | L0002377 | VOLUME | 476700.484 | 3743371.482 | 465.15 |
| LOCATION | L0002378 | VOLUME | 476709.072 | 3743371.662 | 465.01 |
| LOCATION | L0002379 | VOLUME | 476717.660 | 3743371.843 | 464.74 |
| LOCATION | L0002380 | VOLUME | 476726.248 | 3743372.023 | 464.45 |
| LOCATION | L0002381 | VOLUME | 476734.836 | 3743372.204 | 464.17 |
| LOCATION | L0002382 | VOLUME | 476743.424 | 3743372.384 | 463.88 |
| LOCATION | L0002383 | VOLUME | 476752.013 | 3743372.565 | 463.59 |
| LOCATION | L0002384 | VOLUME | 476760.601 | 3743372.745 | 463.31 |
| LOCATION | L0002385 | VOLUME | 476769.189 | 3743372.926 | 463.02 |
| LOCATION | L0002386 | VOLUME | 476777.777 | 3743373.106 | 463.00 |
| LOCATION | L0002387 | VOLUME | 476786.365 | 3743373.287 | 463.00 |
| LOCATION | L0002388 | VOLUME | 476794.953 | 3743373.467 | 462.42 |
| LOCATION | L0002389 | VOLUME | 476803.541 | 3743373.648 | 462.37 |
| LOCATION | L0002390 | VOLUME | 476812.129 | 3743373.829 | 462.24 |
| LOCATION | L0002391 | VOLUME | 476820.717 | 3743374.009 | 462.12 |
| LOCATION | L0002392 | VOLUME | 476829.306 | 3743374.190 | 462.01 |
| LOCATION | L0002393 | VOLUME | 476837.894 | 3743374.370 | 462.00 |
| LOCATION | L0002394 | VOLUME | 476846.482 | 3743374.551 | 462.00 |
| LOCATION | L0002395 | VOLUME | 476855.070 | 3743374.731 | 462.00 |
| LOCATION | L0002396 | VOLUME | 476863.658 | 3743374.912 | 461.92 |
| LOCATION | L0002397 | VOLUME | 476872.246 | 3743375.092 | 461.74 |
| LOCATION | L0002398 | VOLUME | 476880.834 | 3743375.273 | 461.55 |

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| LOCATION | L0002399 | VOLUME | 476889.422 | 3743375.453 | 461.37 |
| LOCATION | L0002400 | VOLUME | 476898.010 | 3743375.634 | 461.26 |
| LOCATION | L0002401 | VOLUME | 476906.598 | 3743375.814 | 461.15 |
| LOCATION | L0002402 | VOLUME | 476915.187 | 3743375.995 | 461.05 |
| LOCATION | L0002403 | VOLUME | 476923.775 | 3743376.175 | 461.00 |
| LOCATION | L0002404 | VOLUME | 476932.363 | 3743376.356 | 461.00 |
| LOCATION | L0002405 | VOLUME | 476940.951 | 3743376.537 | 461.00 |
| LOCATION | L0002406 | VOLUME | 476949.539 | 3743376.717 | 461.00 |
| LOCATION | L0002407 | VOLUME | 476958.127 | 3743376.898 | 460.81 |
| LOCATION | L0002408 | VOLUME | 476966.715 | 3743377.078 | 460.61 |

** End of LINE VOLUME Source ID = SLINE9

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

** LINE VOLUME Source ID = SLINE10

** DESCRSRC Harvill 25%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 0.00001013

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 11

** 476978.471, 3743377.970, 460.17, 3.49, 6.51

** 477080.666, 3743074.016, 460.06, 3.49, 6.51

** 477133.775, 3742927.716, 459.19, 3.49, 6.51

** 477196.404, 3742757.867, 458.96, 3.49, 6.51

** 477224.962, 3742678.704, 458.93, 3.49, 6.51

** 477244.502, 3742610.565, 458.06, 3.49, 6.51

** 477243.500, 3742575.493, 458.10, 3.49, 6.51

** 477391.304, 3742578.499, 455.96, 3.49, 6.51

** 477524.076, 3742575.493, 453.04, 3.49, 6.51

** 477609.752, 3742572.486, 451.99, 3.49, 6.51

** 477867.782, 3742565.973, 448.22, 3.49, 6.51

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| LOCATION | L0002409 | VOLUME | 476980.701 | 3743371.335 | 460.48 |
| LOCATION | L0002410 | VOLUME | 476985.163 | 3743358.065 | 460.77 |
| LOCATION | L0002411 | VOLUME | 476989.625 | 3743344.794 | 460.67 |
| LOCATION | L0002412 | VOLUME | 476994.086 | 3743331.524 | 460.53 |
| LOCATION | L0002413 | VOLUME | 476998.548 | 3743318.254 | 460.38 |
| LOCATION | L0002414 | VOLUME | 477003.010 | 3743304.984 | 460.23 |
| LOCATION | L0002415 | VOLUME | 477007.471 | 3743291.714 | 460.08 |
| LOCATION | L0002416 | VOLUME | 477011.933 | 3743278.444 | 460.00 |
| LOCATION | L0002417 | VOLUME | 477016.395 | 3743265.174 | 460.03 |
| LOCATION | L0002418 | VOLUME | 477020.856 | 3743251.904 | 460.30 |
| LOCATION | L0002419 | VOLUME | 477025.318 | 3743238.634 | 460.44 |
| LOCATION | L0002420 | VOLUME | 477029.780 | 3743225.364 | 460.34 |
| LOCATION | L0002421 | VOLUME | 477034.241 | 3743212.094 | 460.19 |
| LOCATION | L0002422 | VOLUME | 477038.703 | 3743198.824 | 460.04 |
| LOCATION | L0002423 | VOLUME | 477043.165 | 3743185.554 | 460.00 |
| LOCATION | L0002424 | VOLUME | 477047.626 | 3743172.284 | 460.00 |
| LOCATION | L0002425 | VOLUME | 477052.088 | 3743159.014 | 460.00 |
| LOCATION | L0002426 | VOLUME | 477056.550 | 3743145.744 | 460.00 |
| LOCATION | L0002427 | VOLUME | 477061.011 | 3743132.474 | 460.00 |
| LOCATION | L0002428 | VOLUME | 477065.473 | 3743119.204 | 460.00 |
| LOCATION | L0002429 | VOLUME | 477069.934 | 3743105.934 | 460.00 |
| LOCATION | L0002430 | VOLUME | 477074.396 | 3743092.664 | 460.00 |
| LOCATION | L0002431 | VOLUME | 477078.858 | 3743079.394 | 460.00 |
| LOCATION | L0002432 | VOLUME | 477083.507 | 3743066.189 | 460.00 |
| LOCATION | L0002433 | VOLUME | 477088.284 | 3743053.030 | 460.00 |
| LOCATION | L0002434 | VOLUME | 477093.061 | 3743039.870 | 460.00 |
| LOCATION | L0002435 | VOLUME | 477097.839 | 3743026.710 | 460.00 |
| LOCATION | L0002436 | VOLUME | 477102.616 | 3743013.551 | 459.91 |
| LOCATION | L0002437 | VOLUME | 477107.393 | 3743000.391 | 459.75 |
| LOCATION | L0002438 | VOLUME | 477112.170 | 3742987.231 | 459.59 |
| LOCATION | L0002439 | VOLUME | 477116.947 | 3742974.071 | 459.43 |
| LOCATION | L0002440 | VOLUME | 477121.724 | 3742960.912 | 459.27 |

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| LOCATION | L0002441 | VOLUME | 477126.502 | 3742947.752 | 459.11 |
| LOCATION | L0002442 | VOLUME | 477131.279 | 3742934.592 | 459.05 |
| LOCATION | L0002443 | VOLUME | 477136.088 | 3742921.444 | 459.39 |
| LOCATION | L0002444 | VOLUME | 477140.931 | 3742908.308 | 459.59 |
| LOCATION | L0002445 | VOLUME | 477145.774 | 3742895.173 | 459.47 |
| LOCATION | L0002446 | VOLUME | 477150.618 | 3742882.038 | 459.31 |
| LOCATION | L0002447 | VOLUME | 477155.461 | 3742868.902 | 459.15 |
| LOCATION | L0002448 | VOLUME | 477160.305 | 3742855.767 | 458.99 |
| LOCATION | L0002449 | VOLUME | 477165.148 | 3742842.631 | 458.84 |
| LOCATION | L0002450 | VOLUME | 477169.992 | 3742829.496 | 458.85 |
| LOCATION | L0002451 | VOLUME | 477174.835 | 3742816.360 | 459.00 |
| LOCATION | L0002452 | VOLUME | 477179.679 | 3742803.225 | 459.15 |
| LOCATION | L0002453 | VOLUME | 477184.522 | 3742790.089 | 459.15 |
| LOCATION | L0002454 | VOLUME | 477189.366 | 3742776.954 | 459.02 |
| LOCATION | L0002455 | VOLUME | 477194.209 | 3742763.818 | 458.86 |
| LOCATION | L0002456 | VOLUME | 477199.002 | 3742750.664 | 458.70 |
| LOCATION | L0002457 | VOLUME | 477203.753 | 3742737.495 | 458.54 |
| LOCATION | L0002458 | VOLUME | 477208.504 | 3742724.326 | 458.42 |
| LOCATION | L0002459 | VOLUME | 477213.255 | 3742711.157 | 458.61 |
| LOCATION | L0002460 | VOLUME | 477218.006 | 3742697.987 | 458.94 |
| LOCATION | L0002461 | VOLUME | 477222.757 | 3742684.818 | 458.90 |
| LOCATION | L0002462 | VOLUME | 477227.030 | 3742671.494 | 458.76 |
| LOCATION | L0002463 | VOLUME | 477230.889 | 3742658.037 | 458.63 |
| LOCATION | L0002464 | VOLUME | 477234.748 | 3742644.579 | 458.50 |
| LOCATION | L0002465 | VOLUME | 477238.607 | 3742631.122 | 458.38 |
| LOCATION | L0002466 | VOLUME | 477242.466 | 3742617.664 | 458.25 |
| LOCATION | L0002467 | VOLUME | 477244.313 | 3742603.953 | 458.19 |
| LOCATION | L0002468 | VOLUME | 477243.914 | 3742589.959 | 458.20 |
| LOCATION | L0002469 | VOLUME | 477243.514 | 3742575.964 | 458.22 |
| LOCATION | L0002470 | VOLUME | 477257.026 | 3742575.768 | 458.01 |
| LOCATION | L0002471 | VOLUME | 477271.023 | 3742576.052 | 458.00 |
| LOCATION | L0002472 | VOLUME | 477285.020 | 3742576.337 | 457.83 |
| LOCATION | L0002473 | VOLUME | 477299.017 | 3742576.622 | 457.36 |
| LOCATION | L0002474 | VOLUME | 477313.014 | 3742576.906 | 456.90 |
| LOCATION | L0002475 | VOLUME | 477327.011 | 3742577.191 | 456.43 |
| LOCATION | L0002476 | VOLUME | 477341.008 | 3742577.476 | 456.00 |
| LOCATION | L0002477 | VOLUME | 477355.005 | 3742577.760 | 456.00 |
| LOCATION | L0002478 | VOLUME | 477369.002 | 3742578.045 | 456.00 |
| LOCATION | L0002479 | VOLUME | 477383.000 | 3742578.330 | 455.97 |
| LOCATION | L0002480 | VOLUME | 477396.996 | 3742578.370 | 455.93 |
| LOCATION | L0002481 | VOLUME | 477410.993 | 3742578.053 | 455.59 |
| LOCATION | L0002482 | VOLUME | 477424.989 | 3742577.736 | 455.15 |
| LOCATION | L0002483 | VOLUME | 477438.986 | 3742577.419 | 454.70 |
| LOCATION | L0002484 | VOLUME | 477452.982 | 3742577.102 | 454.23 |
| LOCATION | L0002485 | VOLUME | 477466.978 | 3742576.785 | 454.00 |
| LOCATION | L0002486 | VOLUME | 477480.975 | 3742576.468 | 454.00 |
| LOCATION | L0002487 | VOLUME | 477494.971 | 3742576.152 | 453.83 |
| LOCATION | L0002488 | VOLUME | 477508.968 | 3742575.835 | 453.37 |
| LOCATION | L0002489 | VOLUME | 477522.964 | 3742575.518 | 453.02 |
| LOCATION | L0002490 | VOLUME | 477536.956 | 3742575.041 | 453.02 |
| LOCATION | L0002491 | VOLUME | 477550.947 | 3742574.550 | 452.97 |
| LOCATION | L0002492 | VOLUME | 477564.939 | 3742574.059 | 452.53 |
| LOCATION | L0002493 | VOLUME | 477578.930 | 3742573.568 | 452.12 |
| LOCATION | L0002494 | VOLUME | 477592.921 | 3742573.077 | 452.06 |
| LOCATION | L0002495 | VOLUME | 477606.913 | 3742572.586 | 452.01 |
| LOCATION | L0002496 | VOLUME | 477620.907 | 3742572.205 | 451.68 |
| LOCATION | L0002497 | VOLUME | 477634.903 | 3742571.851 | 451.29 |
| LOCATION | L0002498 | VOLUME | 477648.899 | 3742571.498 | 451.11 |
| LOCATION | L0002499 | VOLUME | 477662.894 | 3742571.145 | 451.04 |
| LOCATION | L0002500 | VOLUME | 477676.890 | 3742570.792 | 451.00 |
| LOCATION | L0002501 | VOLUME | 477690.885 | 3742570.438 | 451.00 |
| LOCATION | L0002502 | VOLUME | 477704.881 | 3742570.085 | 450.83 |
| LOCATION | L0002503 | VOLUME | 477718.876 | 3742569.732 | 450.37 |
| LOCATION | L0002504 | VOLUME | 477732.872 | 3742569.378 | 450.00 |
| LOCATION | L0002505 | VOLUME | 477746.867 | 3742569.025 | 450.00 |
| LOCATION | L0002506 | VOLUME | 477760.863 | 3742568.672 | 449.98 |

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|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002507 | VOLUME | 477774.858 | 3742568.319 | 449.63 |
| LOCATION | L0002508 | VOLUME | 477788.854 | 3742567.965 | 449.30 |
| LOCATION | L0002509 | VOLUME | 477802.850 | 3742567.612 | 449.16 |
| LOCATION | L0002510 | VOLUME | 477816.845 | 3742567.259 | 449.03 |
| LOCATION | L0002511 | VOLUME | 477830.841 | 3742566.905 | 448.75 |
| LOCATION | L0002512 | VOLUME | 477844.836 | 3742566.552 | 448.43 |
| LOCATION | L0002513 | VOLUME | 477858.832 | 3742566.199 | 448.23 |

** End of LINE VOLUME Source ID = SLINE10

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE11

** DESCRSRC Harvill 5%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 4.053E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 28

| | | | | | |
|----|-------------|--------------|---------|-------|------|
| ** | 476342.510, | 3744616.547, | 463.00, | 3.49, | 6.51 |
| ** | 476297.706, | 3744651.329, | 463.87, | 3.49, | 6.51 |
| ** | 476264.693, | 3744688.469, | 464.00, | 3.49, | 6.51 |
| ** | 476242.291, | 3744730.325, | 464.05, | 3.49, | 6.51 |
| ** | 476222.837, | 3744784.561, | 463.93, | 3.49, | 6.51 |
| ** | 476216.352, | 3744836.440, | 464.06, | 3.49, | 6.51 |
| ** | 476216.352, | 3744891.855, | 464.05, | 3.49, | 6.51 |
| ** | 476213.405, | 3745045.721, | 464.07, | 3.49, | 6.51 |
| ** | 476217.531, | 3745230.242, | 463.00, | 3.49, | 6.51 |
| ** | 476218.710, | 3745357.579, | 462.05, | 3.49, | 6.51 |
| ** | 476216.942, | 3745394.719, | 462.04, | 3.49, | 6.51 |
| ** | 476203.831, | 3745451.392, | 462.03, | 3.49, | 6.51 |
| ** | 476172.009, | 3745512.589, | 462.98, | 3.49, | 6.51 |
| ** | 476086.333, | 3745631.719, | 463.11, | 3.49, | 6.51 |
| ** | 475917.430, | 3745864.267, | 465.05, | 3.49, | 6.51 |
| ** | 475839.098, | 3745985.845, | 466.00, | 3.49, | 6.51 |
| ** | 475826.042, | 3746023.379, | 466.05, | 3.49, | 6.51 |
| ** | 475820.331, | 3746059.282, | 466.05, | 3.49, | 6.51 |
| ** | 475817.067, | 3746103.343, | 466.00, | 3.49, | 6.51 |
| ** | 475821.146, | 3746489.292, | 465.69, | 3.49, | 6.51 |
| ** | 475815.435, | 3746590.471, | 465.92, | 3.49, | 6.51 |
| ** | 475792.588, | 3746655.748, | 465.74, | 3.49, | 6.51 |
| ** | 475759.134, | 3746693.282, | 465.93, | 3.49, | 6.51 |
| ** | 475697.121, | 3746752.847, | 467.05, | 3.49, | 6.51 |
| ** | 475660.403, | 3746806.700, | 468.00, | 3.49, | 6.51 |
| ** | 475638.372, | 3746876.872, | 467.93, | 3.49, | 6.51 |
| ** | 475637.556, | 3746941.333, | 466.07, | 3.49, | 6.51 |
| ** | 476039.008, | 3746944.597, | 460.05, | 3.49, | 6.51 |

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| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002514 | VOLUME | 476336.981 | 3744620.840 | 463.00 |
| LOCATION | L0002515 | VOLUME | 476325.922 | 3744629.425 | 463.00 |
| LOCATION | L0002516 | VOLUME | 476314.863 | 3744638.010 | 463.17 |
| LOCATION | L0002517 | VOLUME | 476303.805 | 3744646.595 | 463.53 |
| LOCATION | L0002518 | VOLUME | 476293.534 | 3744656.023 | 463.88 |
| LOCATION | L0002519 | VOLUME | 476284.233 | 3744666.486 | 464.00 |
| LOCATION | L0002520 | VOLUME | 476274.932 | 3744676.950 | 463.99 |
| LOCATION | L0002521 | VOLUME | 476265.631 | 3744687.414 | 463.93 |
| LOCATION | L0002522 | VOLUME | 476258.753 | 3744699.568 | 464.00 |
| LOCATION | L0002523 | VOLUME | 476252.147 | 3744711.911 | 464.00 |
| LOCATION | L0002524 | VOLUME | 476245.540 | 3744724.254 | 464.00 |
| LOCATION | L0002525 | VOLUME | 476239.889 | 3744737.022 | 463.99 |
| LOCATION | L0002526 | VOLUME | 476235.162 | 3744750.200 | 463.92 |
| LOCATION | L0002527 | VOLUME | 476230.436 | 3744763.377 | 463.98 |
| LOCATION | L0002528 | VOLUME | 476225.709 | 3744776.555 | 464.00 |
| LOCATION | L0002529 | VOLUME | 476222.155 | 3744790.013 | 464.00 |
| LOCATION | L0002530 | VOLUME | 476220.419 | 3744803.905 | 464.00 |
| LOCATION | L0002531 | VOLUME | 476218.682 | 3744817.797 | 464.00 |

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|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002532 | VOLUME | 476216.946 | 3744831.689 | 464.00 |
| LOCATION | L0002533 | VOLUME | 476216.352 | 3744845.652 | 464.00 |
| LOCATION | L0002534 | VOLUME | 476216.352 | 3744859.652 | 464.00 |
| LOCATION | L0002535 | VOLUME | 476216.352 | 3744873.652 | 464.00 |
| LOCATION | L0002536 | VOLUME | 476216.352 | 3744887.652 | 464.00 |
| LOCATION | L0002537 | VOLUME | 476216.164 | 3744901.650 | 464.00 |
| LOCATION | L0002538 | VOLUME | 476215.896 | 3744915.648 | 464.00 |
| LOCATION | L0002539 | VOLUME | 476215.628 | 3744929.645 | 464.00 |
| LOCATION | L0002540 | VOLUME | 476215.360 | 3744943.643 | 464.00 |
| LOCATION | L0002541 | VOLUME | 476215.092 | 3744957.640 | 464.00 |
| LOCATION | L0002542 | VOLUME | 476214.824 | 3744971.638 | 464.00 |
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| LOCATION | L0002544 | VOLUME | 476214.287 | 3744999.632 | 464.00 |
| LOCATION | L0002545 | VOLUME | 476214.019 | 3745013.630 | 464.00 |
| LOCATION | L0002546 | VOLUME | 476213.751 | 3745027.627 | 464.00 |
| LOCATION | L0002547 | VOLUME | 476213.483 | 3745041.625 | 464.00 |
| LOCATION | L0002548 | VOLUME | 476213.626 | 3745055.621 | 464.00 |
| LOCATION | L0002549 | VOLUME | 476213.939 | 3745069.618 | 463.95 |
| LOCATION | L0002550 | VOLUME | 476214.252 | 3745083.614 | 463.72 |
| LOCATION | L0002551 | VOLUME | 476214.565 | 3745097.611 | 463.49 |
| LOCATION | L0002552 | VOLUME | 476214.878 | 3745111.607 | 463.24 |
| LOCATION | L0002553 | VOLUME | 476215.191 | 3745125.604 | 463.01 |
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| LOCATION | L0002555 | VOLUME | 476215.817 | 3745153.597 | 463.00 |
| LOCATION | L0002556 | VOLUME | 476216.130 | 3745167.593 | 463.00 |
| LOCATION | L0002557 | VOLUME | 476216.443 | 3745181.590 | 463.00 |
| LOCATION | L0002558 | VOLUME | 476216.756 | 3745195.586 | 463.00 |
| LOCATION | L0002559 | VOLUME | 476217.069 | 3745209.583 | 463.00 |
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| LOCATION | L0002561 | VOLUME | 476217.599 | 3745237.578 | 463.00 |
| LOCATION | L0002562 | VOLUME | 476217.729 | 3745251.577 | 462.89 |
| LOCATION | L0002563 | VOLUME | 476217.858 | 3745265.576 | 462.61 |
| LOCATION | L0002564 | VOLUME | 476217.988 | 3745279.576 | 462.39 |
| LOCATION | L0002565 | VOLUME | 476218.118 | 3745293.575 | 462.39 |
| LOCATION | L0002566 | VOLUME | 476218.247 | 3745307.575 | 462.37 |
| LOCATION | L0002567 | VOLUME | 476218.377 | 3745321.574 | 462.19 |
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| LOCATION | L0002573 | VOLUME | 476214.505 | 3745405.252 | 462.00 |
| LOCATION | L0002574 | VOLUME | 476211.350 | 3745418.892 | 462.00 |
| LOCATION | L0002575 | VOLUME | 476208.194 | 3745432.532 | 462.00 |
| LOCATION | L0002576 | VOLUME | 476205.039 | 3745446.171 | 462.00 |
| LOCATION | L0002577 | VOLUME | 476199.844 | 3745459.059 | 462.00 |
| LOCATION | L0002578 | VOLUME | 476193.386 | 3745471.480 | 462.21 |
| LOCATION | L0002579 | VOLUME | 476186.927 | 3745483.901 | 462.43 |
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| LOCATION | L0002581 | VOLUME | 476174.009 | 3745508.743 | 462.86 |
| LOCATION | L0002582 | VOLUME | 476166.366 | 3745520.436 | 462.88 |
| LOCATION | L0002583 | VOLUME | 476158.192 | 3745531.802 | 462.68 |
| LOCATION | L0002584 | VOLUME | 476150.017 | 3745543.168 | 462.69 |
| LOCATION | L0002585 | VOLUME | 476141.843 | 3745554.533 | 462.93 |
| LOCATION | L0002586 | VOLUME | 476133.669 | 3745565.899 | 463.00 |
| LOCATION | L0002587 | VOLUME | 476125.495 | 3745577.265 | 463.00 |
| LOCATION | L0002588 | VOLUME | 476117.321 | 3745588.631 | 463.00 |
| LOCATION | L0002589 | VOLUME | 476109.147 | 3745599.997 | 463.02 |
| LOCATION | L0002590 | VOLUME | 476100.973 | 3745611.363 | 463.24 |
| LOCATION | L0002591 | VOLUME | 476092.799 | 3745622.729 | 463.26 |
| LOCATION | L0002592 | VOLUME | 476084.613 | 3745634.087 | 463.06 |
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| LOCATION | L0002595 | VOLUME | 476059.932 | 3745668.069 | 463.00 |
| LOCATION | L0002596 | VOLUME | 476051.704 | 3745679.397 | 463.00 |
| LOCATION | L0002597 | VOLUME | 476043.477 | 3745690.724 | 463.00 |

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| LOCATION | L0002598 | VOLUME | 476035.250 | 3745702.052 | 463.00 |
| LOCATION | L0002599 | VOLUME | 476027.022 | 3745713.379 | 463.00 |
| LOCATION | L0002600 | VOLUME | 476018.795 | 3745724.706 | 463.00 |
| LOCATION | L0002601 | VOLUME | 476010.568 | 3745736.034 | 463.10 |
| LOCATION | L0002602 | VOLUME | 476002.340 | 3745747.361 | 463.41 |
| LOCATION | L0002603 | VOLUME | 475994.113 | 3745758.689 | 463.86 |
| LOCATION | L0002604 | VOLUME | 475985.886 | 3745770.016 | 464.00 |
| LOCATION | L0002605 | VOLUME | 475977.658 | 3745781.344 | 464.00 |
| LOCATION | L0002606 | VOLUME | 475969.431 | 3745792.671 | 464.00 |
| LOCATION | L0002607 | VOLUME | 475961.204 | 3745803.999 | 464.00 |
| LOCATION | L0002608 | VOLUME | 475952.976 | 3745815.326 | 464.23 |
| LOCATION | L0002609 | VOLUME | 475944.749 | 3745826.654 | 464.50 |
| LOCATION | L0002610 | VOLUME | 475936.522 | 3745837.981 | 464.78 |
| LOCATION | L0002611 | VOLUME | 475928.295 | 3745849.309 | 465.00 |
| LOCATION | L0002612 | VOLUME | 475920.067 | 3745860.636 | 465.00 |
| LOCATION | L0002613 | VOLUME | 475912.278 | 3745872.263 | 465.00 |
| LOCATION | L0002614 | VOLUME | 475904.695 | 3745884.032 | 465.00 |
| LOCATION | L0002615 | VOLUME | 475897.113 | 3745895.801 | 465.09 |
| LOCATION | L0002616 | VOLUME | 475889.530 | 3745907.570 | 465.34 |
| LOCATION | L0002617 | VOLUME | 475881.948 | 3745919.338 | 465.60 |
| LOCATION | L0002618 | VOLUME | 475874.365 | 3745931.107 | 465.85 |
| LOCATION | L0002619 | VOLUME | 475866.782 | 3745942.876 | 466.08 |
| LOCATION | L0002620 | VOLUME | 475859.200 | 3745954.645 | 466.14 |
| LOCATION | L0002621 | VOLUME | 475851.617 | 3745966.414 | 466.00 |
| LOCATION | L0002622 | VOLUME | 475844.035 | 3745978.182 | 466.00 |
| LOCATION | L0002623 | VOLUME | 475837.493 | 3745990.459 | 466.00 |
| LOCATION | L0002624 | VOLUME | 475832.894 | 3746003.682 | 466.00 |
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| LOCATION | L0002626 | VOLUME | 475824.920 | 3746030.435 | 466.00 |
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| LOCATION | L0002628 | VOLUME | 475820.521 | 3746058.087 | 466.00 |
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| LOCATION | L0002632 | VOLUME | 475817.179 | 3746113.951 | 466.00 |
| LOCATION | L0002633 | VOLUME | 475817.327 | 3746127.950 | 466.00 |
| LOCATION | L0002634 | VOLUME | 475817.475 | 3746141.950 | 466.00 |
| LOCATION | L0002635 | VOLUME | 475817.623 | 3746155.949 | 466.24 |
| LOCATION | L0002636 | VOLUME | 475817.771 | 3746169.948 | 466.58 |
| LOCATION | L0002637 | VOLUME | 475817.919 | 3746183.947 | 466.80 |
| LOCATION | L0002638 | VOLUME | 475818.067 | 3746197.946 | 466.92 |
| LOCATION | L0002639 | VOLUME | 475818.215 | 3746211.946 | 467.00 |
| LOCATION | L0002640 | VOLUME | 475818.363 | 3746225.945 | 467.00 |
| LOCATION | L0002641 | VOLUME | 475818.511 | 3746239.944 | 467.00 |
| LOCATION | L0002642 | VOLUME | 475818.659 | 3746253.943 | 467.00 |
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| LOCATION | L0002644 | VOLUME | 475818.955 | 3746281.942 | 466.84 |
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| LOCATION | L0002646 | VOLUME | 475819.251 | 3746309.940 | 466.69 |
| LOCATION | L0002647 | VOLUME | 475819.399 | 3746323.939 | 466.68 |
| LOCATION | L0002648 | VOLUME | 475819.547 | 3746337.939 | 466.41 |
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| LOCATION | L0002659 | VOLUME | 475820.998 | 3746491.926 | 465.63 |
| LOCATION | L0002660 | VOLUME | 475820.209 | 3746505.904 | 465.65 |
| LOCATION | L0002661 | VOLUME | 475819.420 | 3746519.881 | 465.68 |
| LOCATION | L0002662 | VOLUME | 475818.631 | 3746533.859 | 465.71 |
| LOCATION | L0002663 | VOLUME | 475817.842 | 3746547.837 | 465.73 |

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| LOCATION | L0002664 | VOLUME | 475817.052 | 3746561.815 | 465.76 |
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| LOCATION | L0002666 | VOLUME | 475815.474 | 3746589.770 | 465.81 |
| LOCATION | L0002667 | VOLUME | 475811.042 | 3746603.023 | 465.96 |
| LOCATION | L0002668 | VOLUME | 475806.417 | 3746616.237 | 466.00 |
| LOCATION | L0002669 | VOLUME | 475801.792 | 3746629.451 | 465.92 |
| LOCATION | L0002670 | VOLUME | 475797.167 | 3746642.665 | 465.68 |
| LOCATION | L0002671 | VOLUME | 475792.496 | 3746655.851 | 465.58 |
| LOCATION | L0002672 | VOLUME | 475783.180 | 3746666.302 | 465.59 |
| LOCATION | L0002673 | VOLUME | 475773.865 | 3746676.754 | 465.51 |
| LOCATION | L0002674 | VOLUME | 475764.550 | 3746687.205 | 465.51 |
| LOCATION | L0002675 | VOLUME | 475754.908 | 3746697.341 | 465.83 |
| LOCATION | L0002676 | VOLUME | 475744.811 | 3746707.039 | 466.05 |
| LOCATION | L0002677 | VOLUME | 475734.714 | 3746716.737 | 466.01 |
| LOCATION | L0002678 | VOLUME | 475724.617 | 3746726.435 | 466.29 |
| LOCATION | L0002679 | VOLUME | 475714.521 | 3746736.134 | 466.72 |
| LOCATION | L0002680 | VOLUME | 475704.424 | 3746745.832 | 466.99 |
| LOCATION | L0002681 | VOLUME | 475694.939 | 3746756.047 | 467.00 |
| LOCATION | L0002682 | VOLUME | 475687.052 | 3746767.614 | 467.09 |
| LOCATION | L0002683 | VOLUME | 475679.165 | 3746779.182 | 467.35 |
| LOCATION | L0002684 | VOLUME | 475671.278 | 3746790.749 | 467.62 |
| LOCATION | L0002685 | VOLUME | 475663.392 | 3746802.316 | 467.88 |
| LOCATION | L0002686 | VOLUME | 475657.798 | 3746814.995 | 468.07 |
| LOCATION | L0002687 | VOLUME | 475653.605 | 3746828.352 | 468.21 |
| LOCATION | L0002688 | VOLUME | 475649.411 | 3746841.709 | 468.16 |
| LOCATION | L0002689 | VOLUME | 475645.218 | 3746855.066 | 467.86 |
| LOCATION | L0002690 | VOLUME | 475641.024 | 3746868.423 | 467.58 |
| LOCATION | L0002691 | VOLUME | 475638.307 | 3746882.016 | 467.34 |
| LOCATION | L0002692 | VOLUME | 475638.129 | 3746896.015 | 467.01 |
| LOCATION | L0002693 | VOLUME | 475637.952 | 3746910.014 | 466.54 |
| LOCATION | L0002694 | VOLUME | 475637.775 | 3746924.013 | 466.07 |
| LOCATION | L0002695 | VOLUME | 475637.598 | 3746938.012 | 466.00 |
| LOCATION | L0002696 | VOLUME | 475648.234 | 3746941.420 | 466.00 |
| LOCATION | L0002697 | VOLUME | 475662.233 | 3746941.534 | 466.00 |
| LOCATION | L0002698 | VOLUME | 475676.233 | 3746941.648 | 466.00 |
| LOCATION | L0002699 | VOLUME | 475690.232 | 3746941.761 | 465.98 |
| LOCATION | L0002700 | VOLUME | 475704.232 | 3746941.875 | 465.27 |
| LOCATION | L0002701 | VOLUME | 475718.232 | 3746941.989 | 464.56 |
| LOCATION | L0002702 | VOLUME | 475732.231 | 3746942.103 | 464.06 |
| LOCATION | L0002703 | VOLUME | 475746.231 | 3746942.217 | 463.59 |
| LOCATION | L0002704 | VOLUME | 475760.230 | 3746942.330 | 463.46 |
| LOCATION | L0002705 | VOLUME | 475774.230 | 3746942.444 | 463.46 |
| LOCATION | L0002706 | VOLUME | 475788.229 | 3746942.558 | 463.33 |
| LOCATION | L0002707 | VOLUME | 475802.229 | 3746942.672 | 463.11 |
| LOCATION | L0002708 | VOLUME | 475816.228 | 3746942.786 | 463.00 |
| LOCATION | L0002709 | VOLUME | 475830.228 | 3746942.900 | 463.00 |
| LOCATION | L0002710 | VOLUME | 475844.227 | 3746943.013 | 462.92 |
| LOCATION | L0002711 | VOLUME | 475858.227 | 3746943.127 | 462.65 |
| LOCATION | L0002712 | VOLUME | 475872.226 | 3746943.241 | 462.40 |
| LOCATION | L0002713 | VOLUME | 475886.226 | 3746943.355 | 462.19 |
| LOCATION | L0002714 | VOLUME | 475900.226 | 3746943.469 | 462.00 |
| LOCATION | L0002715 | VOLUME | 475914.225 | 3746943.582 | 462.00 |
| LOCATION | L0002716 | VOLUME | 475928.225 | 3746943.696 | 462.00 |
| LOCATION | L0002717 | VOLUME | 475942.224 | 3746943.810 | 461.59 |
| LOCATION | L0002718 | VOLUME | 475956.224 | 3746943.924 | 461.12 |
| LOCATION | L0002719 | VOLUME | 475970.223 | 3746944.038 | 461.00 |
| LOCATION | L0002720 | VOLUME | 475984.223 | 3746944.152 | 461.00 |
| LOCATION | L0002721 | VOLUME | 475998.222 | 3746944.265 | 460.72 |
| LOCATION | L0002722 | VOLUME | 476012.222 | 3746944.379 | 460.25 |
| LOCATION | L0002723 | VOLUME | 476026.221 | 3746944.493 | 460.00 |

** End of LINE VOLUME Source ID = SLINE11

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE12

** DESCRSRC Onsite

** PREFIX

```

** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00008781
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 24
** 475774.605, 3744055.015, 476.05, 3.49, 4.00
** 475748.882, 3744054.572, 476.94, 3.49, 4.00
** 475734.246, 3744062.555, 476.35, 3.49, 4.00
** 475710.741, 3744079.408, 476.21, 3.49, 4.00
** 475698.766, 3744085.617, 476.86, 3.49, 4.00
** 475668.165, 3744088.278, 477.78, 3.49, 4.00
** 475268.128, 3744086.947, 486.02, 3.49, 4.00
** 475237.083, 3744086.947, 486.92, 3.49, 4.00
** 475225.995, 3744084.286, 487.11, 3.49, 4.00
** 475220.673, 3744072.312, 487.10, 3.49, 4.00
** 475219.786, 3743833.266, 484.77, 3.49, 4.00
** 475228.213, 3743820.848, 484.38, 3.49, 4.00
** 475253.936, 3743815.969, 482.99, 3.49, 4.00
** 475286.311, 3743816.856, 482.43, 3.49, 4.00
** 475319.130, 3743829.274, 481.42, 3.49, 4.00
** 475338.644, 3743835.927, 481.10, 3.49, 4.00
** 475626.919, 3743834.153, 478.00, 3.49, 4.00
** 475646.877, 3743825.283, 478.00, 3.49, 4.00
** 475662.399, 3743819.961, 477.42, 3.49, 4.00
** 475674.817, 3743816.856, 477.07, 3.49, 4.00
** 475704.532, 3743815.969, 477.00, 3.49, 4.00
** 475720.941, 3743811.978, 476.94, 3.49, 4.00
** 475748.438, 3743808.430, 476.00, 3.49, 4.00
** 475775.935, 3743808.873, 475.03, 3.49, 4.00

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LOCATION L0002724      VOLUME  475770.310 3744054.941 476.03
LOCATION L0002725      VOLUME  475761.721 3744054.793 476.32
LOCATION L0002726      VOLUME  475753.133 3744054.645 476.61
LOCATION L0002727      VOLUME  475745.073 3744056.649 476.65
LOCATION L0002728      VOLUME  475737.532 3744060.763 476.51
LOCATION L0002729      VOLUME  475730.307 3744065.379 476.36
LOCATION L0002730      VOLUME  475723.326 3744070.385 476.19
LOCATION L0002731      VOLUME  475716.345 3744075.390 476.14
LOCATION L0002732      VOLUME  475709.237 3744080.188 476.35
LOCATION L0002733      VOLUME  475701.611 3744084.142 476.61
LOCATION L0002734      VOLUME  475693.401 3744086.084 476.88
LOCATION L0002735      VOLUME  475684.843 3744086.828 477.11
LOCATION L0002736      VOLUME  475676.285 3744087.572 477.28
LOCATION L0002737      VOLUME  475667.726 3744088.276 477.44
LOCATION L0002738      VOLUME  475659.136 3744088.248 477.61
LOCATION L0002739      VOLUME  475650.546 3744088.219 477.72
LOCATION L0002740      VOLUME  475641.956 3744088.191 477.84
LOCATION L0002741      VOLUME  475633.366 3744088.162 477.95
LOCATION L0002742      VOLUME  475624.776 3744088.134 478.17
LOCATION L0002743      VOLUME  475616.186 3744088.105 478.45
LOCATION L0002744      VOLUME  475607.596 3744088.076 478.74
LOCATION L0002745      VOLUME  475599.006 3744088.048 479.03
LOCATION L0002746      VOLUME  475590.416 3744088.019 479.31
LOCATION L0002747      VOLUME  475581.826 3744087.991 479.60
LOCATION L0002748      VOLUME  475573.236 3744087.962 479.89
LOCATION L0002749      VOLUME  475564.646 3744087.934 480.10
LOCATION L0002750      VOLUME  475556.056 3744087.905 480.28
LOCATION L0002751      VOLUME  475547.467 3744087.877 480.45
LOCATION L0002752      VOLUME  475538.877 3744087.848 480.62
LOCATION L0002753      VOLUME  475530.287 3744087.819 480.74
LOCATION L0002754      VOLUME  475521.697 3744087.791 480.85
LOCATION L0002755      VOLUME  475513.107 3744087.762 480.96
LOCATION L0002756      VOLUME  475504.517 3744087.734 481.18
LOCATION L0002757      VOLUME  475495.927 3744087.705 481.46
LOCATION L0002758      VOLUME  475487.337 3744087.677 481.75

```

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002759 | VOLUME | 475478.747 | 3744087.648 | 482.00 |
| LOCATION | L0002760 | VOLUME | 475470.157 | 3744087.619 | 482.00 |
| LOCATION | L0002761 | VOLUME | 475461.567 | 3744087.591 | 482.00 |
| LOCATION | L0002762 | VOLUME | 475452.977 | 3744087.562 | 482.00 |
| LOCATION | L0002763 | VOLUME | 475444.387 | 3744087.534 | 481.93 |
| LOCATION | L0002764 | VOLUME | 475435.797 | 3744087.505 | 481.82 |
| LOCATION | L0002765 | VOLUME | 475427.207 | 3744087.477 | 481.72 |
| LOCATION | L0002766 | VOLUME | 475418.617 | 3744087.448 | 481.62 |
| LOCATION | L0002767 | VOLUME | 475410.027 | 3744087.419 | 481.63 |
| LOCATION | L0002768 | VOLUME | 475401.437 | 3744087.391 | 481.63 |
| LOCATION | L0002769 | VOLUME | 475392.847 | 3744087.362 | 481.63 |
| LOCATION | L0002770 | VOLUME | 475384.257 | 3744087.334 | 481.70 |
| LOCATION | L0002771 | VOLUME | 475375.667 | 3744087.305 | 481.80 |
| LOCATION | L0002772 | VOLUME | 475367.078 | 3744087.277 | 481.91 |
| LOCATION | L0002773 | VOLUME | 475358.488 | 3744087.248 | 482.04 |
| LOCATION | L0002774 | VOLUME | 475349.898 | 3744087.219 | 482.33 |
| LOCATION | L0002775 | VOLUME | 475341.308 | 3744087.191 | 482.62 |
| LOCATION | L0002776 | VOLUME | 475332.718 | 3744087.162 | 482.90 |
| LOCATION | L0002777 | VOLUME | 475324.128 | 3744087.134 | 483.38 |
| LOCATION | L0002778 | VOLUME | 475315.538 | 3744087.105 | 483.95 |
| LOCATION | L0002779 | VOLUME | 475306.948 | 3744087.077 | 484.52 |
| LOCATION | L0002780 | VOLUME | 475298.358 | 3744087.048 | 485.07 |
| LOCATION | L0002781 | VOLUME | 475289.768 | 3744087.019 | 485.46 |
| LOCATION | L0002782 | VOLUME | 475281.178 | 3744086.991 | 485.84 |
| LOCATION | L0002783 | VOLUME | 475272.588 | 3744086.962 | 486.23 |
| LOCATION | L0002784 | VOLUME | 475263.998 | 3744086.947 | 486.48 |
| LOCATION | L0002785 | VOLUME | 475255.408 | 3744086.947 | 486.67 |
| LOCATION | L0002786 | VOLUME | 475246.818 | 3744086.947 | 486.85 |
| LOCATION | L0002787 | VOLUME | 475238.228 | 3744086.947 | 487.02 |
| LOCATION | L0002788 | VOLUME | 475229.844 | 3744085.210 | 487.10 |
| LOCATION | L0002789 | VOLUME | 475224.114 | 3744080.053 | 487.07 |
| LOCATION | L0002790 | VOLUME | 475220.673 | 3744072.194 | 487.00 |
| LOCATION | L0002791 | VOLUME | 475220.641 | 3744063.604 | 487.00 |
| LOCATION | L0002792 | VOLUME | 475220.609 | 3744055.014 | 487.00 |
| LOCATION | L0002793 | VOLUME | 475220.577 | 3744046.424 | 487.00 |
| LOCATION | L0002794 | VOLUME | 475220.545 | 3744037.834 | 487.18 |
| LOCATION | L0002795 | VOLUME | 475220.513 | 3744029.244 | 487.36 |
| LOCATION | L0002796 | VOLUME | 475220.482 | 3744020.654 | 487.55 |
| LOCATION | L0002797 | VOLUME | 475220.450 | 3744012.064 | 487.65 |
| LOCATION | L0002798 | VOLUME | 475220.418 | 3744003.474 | 487.65 |
| LOCATION | L0002799 | VOLUME | 475220.386 | 3743994.884 | 487.65 |
| LOCATION | L0002800 | VOLUME | 475220.354 | 3743986.294 | 487.65 |
| LOCATION | L0002801 | VOLUME | 475220.322 | 3743977.704 | 487.47 |
| LOCATION | L0002802 | VOLUME | 475220.290 | 3743969.114 | 487.28 |
| LOCATION | L0002803 | VOLUME | 475220.258 | 3743960.524 | 487.09 |
| LOCATION | L0002804 | VOLUME | 475220.227 | 3743951.934 | 486.90 |
| LOCATION | L0002805 | VOLUME | 475220.195 | 3743943.344 | 486.70 |
| LOCATION | L0002806 | VOLUME | 475220.163 | 3743934.755 | 486.51 |
| LOCATION | L0002807 | VOLUME | 475220.131 | 3743926.165 | 486.31 |
| LOCATION | L0002808 | VOLUME | 475220.099 | 3743917.575 | 486.13 |
| LOCATION | L0002809 | VOLUME | 475220.067 | 3743908.985 | 485.94 |
| LOCATION | L0002810 | VOLUME | 475220.035 | 3743900.395 | 485.75 |
| LOCATION | L0002811 | VOLUME | 475220.003 | 3743891.805 | 485.61 |
| LOCATION | L0002812 | VOLUME | 475219.972 | 3743883.215 | 485.51 |
| LOCATION | L0002813 | VOLUME | 475219.940 | 3743874.625 | 485.42 |
| LOCATION | L0002814 | VOLUME | 475219.908 | 3743866.035 | 485.32 |
| LOCATION | L0002815 | VOLUME | 475219.876 | 3743857.445 | 485.14 |
| LOCATION | L0002816 | VOLUME | 475219.844 | 3743848.855 | 484.95 |
| LOCATION | L0002817 | VOLUME | 475219.812 | 3743840.265 | 484.76 |
| LOCATION | L0002818 | VOLUME | 475220.679 | 3743831.950 | 484.50 |
| LOCATION | L0002819 | VOLUME | 475225.502 | 3743824.842 | 484.10 |
| LOCATION | L0002820 | VOLUME | 475231.910 | 3743820.146 | 483.73 |
| LOCATION | L0002821 | VOLUME | 475240.350 | 3743818.546 | 483.40 |
| LOCATION | L0002822 | VOLUME | 475248.789 | 3743816.945 | 483.25 |
| LOCATION | L0002823 | VOLUME | 475257.286 | 3743816.061 | 483.14 |
| LOCATION | L0002824 | VOLUME | 475265.873 | 3743816.296 | 483.04 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002825 | VOLUME | 475274.460 | 3743816.531 | 482.85 |
| LOCATION | L0002826 | VOLUME | 475283.046 | 3743816.767 | 482.56 |
| LOCATION | L0002827 | VOLUME | 475291.291 | 3743818.740 | 482.28 |
| LOCATION | L0002828 | VOLUME | 475299.325 | 3743821.780 | 482.02 |
| LOCATION | L0002829 | VOLUME | 475307.359 | 3743824.820 | 481.84 |
| LOCATION | L0002830 | VOLUME | 475315.393 | 3743827.860 | 481.62 |
| LOCATION | L0002831 | VOLUME | 475323.479 | 3743830.756 | 481.35 |
| LOCATION | L0002832 | VOLUME | 475331.609 | 3743833.528 | 481.08 |
| LOCATION | L0002833 | VOLUME | 475339.802 | 3743835.919 | 481.01 |
| LOCATION | L0002834 | VOLUME | 475348.391 | 3743835.867 | 481.00 |
| LOCATION | L0002835 | VOLUME | 475356.981 | 3743835.814 | 481.00 |
| LOCATION | L0002836 | VOLUME | 475365.571 | 3743835.761 | 481.00 |
| LOCATION | L0002837 | VOLUME | 475374.161 | 3743835.708 | 480.99 |
| LOCATION | L0002838 | VOLUME | 475382.751 | 3743835.655 | 480.99 |
| LOCATION | L0002839 | VOLUME | 475391.341 | 3743835.602 | 480.93 |
| LOCATION | L0002840 | VOLUME | 475399.931 | 3743835.549 | 480.63 |
| LOCATION | L0002841 | VOLUME | 475408.520 | 3743835.497 | 480.34 |
| LOCATION | L0002842 | VOLUME | 475417.110 | 3743835.444 | 480.04 |
| LOCATION | L0002843 | VOLUME | 475425.700 | 3743835.391 | 479.36 |
| LOCATION | L0002844 | VOLUME | 475434.290 | 3743835.338 | 478.51 |
| LOCATION | L0002845 | VOLUME | 475442.880 | 3743835.285 | 477.66 |
| LOCATION | L0002846 | VOLUME | 475451.470 | 3743835.232 | 476.97 |
| LOCATION | L0002847 | VOLUME | 475460.059 | 3743835.179 | 476.95 |
| LOCATION | L0002848 | VOLUME | 475468.649 | 3743835.126 | 476.94 |
| LOCATION | L0002849 | VOLUME | 475477.239 | 3743835.074 | 476.93 |
| LOCATION | L0002850 | VOLUME | 475485.829 | 3743835.021 | 477.12 |
| LOCATION | L0002851 | VOLUME | 475494.419 | 3743834.968 | 477.41 |
| LOCATION | L0002852 | VOLUME | 475503.009 | 3743834.915 | 477.69 |
| LOCATION | L0002853 | VOLUME | 475511.598 | 3743834.862 | 477.97 |
| LOCATION | L0002854 | VOLUME | 475520.188 | 3743834.809 | 478.24 |
| LOCATION | L0002855 | VOLUME | 475528.778 | 3743834.756 | 478.51 |
| LOCATION | L0002856 | VOLUME | 475537.368 | 3743834.704 | 478.77 |
| LOCATION | L0002857 | VOLUME | 475545.958 | 3743834.651 | 478.85 |
| LOCATION | L0002858 | VOLUME | 475554.548 | 3743834.598 | 478.84 |
| LOCATION | L0002859 | VOLUME | 475563.137 | 3743834.545 | 478.84 |
| LOCATION | L0002860 | VOLUME | 475571.727 | 3743834.492 | 478.77 |
| LOCATION | L0002861 | VOLUME | 475580.317 | 3743834.439 | 478.52 |
| LOCATION | L0002862 | VOLUME | 475588.907 | 3743834.386 | 478.26 |
| LOCATION | L0002863 | VOLUME | 475597.497 | 3743834.334 | 478.01 |
| LOCATION | L0002864 | VOLUME | 475606.087 | 3743834.281 | 477.95 |
| LOCATION | L0002865 | VOLUME | 475614.676 | 3743834.228 | 477.97 |
| LOCATION | L0002866 | VOLUME | 475623.266 | 3743834.175 | 477.99 |
| LOCATION | L0002867 | VOLUME | 475631.431 | 3743832.147 | 477.99 |
| LOCATION | L0002868 | VOLUME | 475639.280 | 3743828.659 | 477.92 |
| LOCATION | L0002869 | VOLUME | 475647.139 | 3743825.193 | 477.79 |
| LOCATION | L0002870 | VOLUME | 475655.265 | 3743822.407 | 477.61 |
| LOCATION | L0002871 | VOLUME | 475663.416 | 3743819.706 | 477.40 |
| LOCATION | L0002872 | VOLUME | 475671.749 | 3743817.623 | 477.23 |
| LOCATION | L0002873 | VOLUME | 475680.242 | 3743816.694 | 477.11 |
| LOCATION | L0002874 | VOLUME | 475688.828 | 3743816.438 | 477.01 |
| LOCATION | L0002875 | VOLUME | 475697.415 | 3743816.181 | 476.92 |
| LOCATION | L0002876 | VOLUME | 475705.960 | 3743815.622 | 476.83 |
| LOCATION | L0002877 | VOLUME | 475714.306 | 3743813.591 | 476.80 |
| LOCATION | L0002878 | VOLUME | 475722.688 | 3743811.752 | 476.74 |
| LOCATION | L0002879 | VOLUME | 475731.208 | 3743810.653 | 476.53 |
| LOCATION | L0002880 | VOLUME | 475739.727 | 3743809.554 | 476.30 |
| LOCATION | L0002881 | VOLUME | 475748.247 | 3743808.454 | 476.05 |
| LOCATION | L0002882 | VOLUME | 475756.834 | 3743808.565 | 475.78 |
| LOCATION | L0002883 | VOLUME | 475765.423 | 3743808.703 | 475.52 |
| LOCATION | L0002884 | VOLUME | 475774.012 | 3743808.842 | 475.27 |

** End of LINE VOLUME Source ID = SLINE12

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

| | | | | | |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0001484 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001485 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001486 | 0.0000006798 | 3.49 | 4.00 | 3.25 |

[illegible]

[illegible]

[illegible]

| | | | | | |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0002167 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002168 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002169 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002170 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002171 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002172 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002173 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002174 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002175 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002176 | 0.0000000142 | 3.49 | 4.00 | 3.25 |

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** -----
** LINE VOLUME Source ID = SLINE7

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[illegible]

** LINE VOLUME Source ID = SLINE9

| | | | | | |
|----------|----------|----------------|------|------|------|
| SRCPARAM | L0002219 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002220 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002221 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002222 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002223 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002224 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002225 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002226 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002227 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002228 | 0.000000005911 | 3.49 | 4.00 | 3.25 |

[illegible]

[illegible]

[illegible]

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** LINE VOLUME Source ID = SLINE10
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| | | | | | |
|----------|----------|----------------|------|------|------|
| SRCPARAM | L0002409 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002410 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002411 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002412 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002413 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002414 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002415 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002416 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002417 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002418 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002419 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002420 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002421 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002422 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002423 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002424 | 0.000000009648 | 3.49 | 6.51 | 3.25 |

[illegible]

| | | | | | |
|----------|----------|----------------|------|------|------|
| SRCPARAM | L0002491 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002492 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002493 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002494 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002495 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002496 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002497 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002498 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002499 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002500 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002501 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002502 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002503 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002504 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002505 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002506 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002507 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002508 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002509 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002510 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002511 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002512 | 0.000000009648 | 3.49 | 6.51 | 3.25 |
| SRCPARAM | L0002513 | 0.000000009648 | 3.49 | 6.51 | 3.25 |

[illegible]

[illegible]

[illegible]

[illegible]

```

SRCPARAM L0002883      0.0000005454      3.49      4.00      3.25
SRCPARAM L0002884      0.0000005454      3.49      4.00      3.25
** -----
URBANSRC ALL
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED "15091 Ops HRA.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 PERIOD ALL "15091 OPS HRA.AD\PE00GALL.PLT" 31
  SUMMFILE "15091 Ops HRA.sum"
OU FINISHED
**
*****
** Project Parameters
*****
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**

```



```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 8/21/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091 Ops HRA\15091 Ops HRA.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
CO STARTING
  TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091 MVCC\15091 MVC
  MODELOPT DFAULT CONC
  AVERTIME PERIOD
  URBANOPT 2189641 Riverside_County
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "15091 Ops HRA.err"
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Idle N
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00002923
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 475285.365, 3744064.576, 485.68, 3.49, 4.00
** 475653.082, 3744066.279, 477.94, 3.49, 4.00
** -----
  LOCATION L0001484      VOLUME  475289.660 3744064.596 485.34
  LOCATION L0001485      VOLUME  475298.249 3744064.636 485.05
  LOCATION L0001486      VOLUME  475306.839 3744064.676 484.53
  LOCATION L0001487      VOLUME  475315.429 3744064.716 483.96
  LOCATION L0001488      VOLUME  475324.019 3744064.755 483.39
  LOCATION L0001489      VOLUME  475332.609 3744064.795 482.91
  LOCATION L0001490      VOLUME  475341.199 3744064.835 482.62
  LOCATION L0001491      VOLUME  475349.789 3744064.875 482.33
  LOCATION L0001492      VOLUME  475358.379 3744064.914 482.05
  LOCATION L0001493      VOLUME  475366.969 3744064.954 482.09
  LOCATION L0001494      VOLUME  475375.559 3744064.994 482.20
  LOCATION L0001495      VOLUME  475384.149 3744065.034 482.30
  LOCATION L0001496      VOLUME  475392.738 3744065.074 482.37
  LOCATION L0001497      VOLUME  475401.328 3744065.113 482.37
  LOCATION L0001498      VOLUME  475409.918 3744065.153 482.37
  LOCATION L0001499      VOLUME  475418.508 3744065.193 482.37

```

| | | | | | |
|---|----------|--------|------------|-------------|--------|
| LOCATION | L0001500 | VOLUME | 475427.098 | 3744065.233 | 482.37 |
| LOCATION | L0001501 | VOLUME | 475435.688 | 3744065.272 | 482.36 |
| LOCATION | L0001502 | VOLUME | 475444.278 | 3744065.312 | 482.36 |
| LOCATION | L0001503 | VOLUME | 475452.868 | 3744065.352 | 482.32 |
| LOCATION | L0001504 | VOLUME | 475461.458 | 3744065.392 | 482.22 |
| LOCATION | L0001505 | VOLUME | 475470.048 | 3744065.431 | 482.12 |
| LOCATION | L0001506 | VOLUME | 475478.637 | 3744065.471 | 482.01 |
| LOCATION | L0001507 | VOLUME | 475487.227 | 3744065.511 | 481.84 |
| LOCATION | L0001508 | VOLUME | 475495.817 | 3744065.551 | 481.66 |
| LOCATION | L0001509 | VOLUME | 475504.407 | 3744065.591 | 481.47 |
| LOCATION | L0001510 | VOLUME | 475512.997 | 3744065.630 | 481.31 |
| LOCATION | L0001511 | VOLUME | 475521.587 | 3744065.670 | 481.21 |
| LOCATION | L0001512 | VOLUME | 475530.177 | 3744065.710 | 481.11 |
| LOCATION | L0001513 | VOLUME | 475538.767 | 3744065.750 | 481.01 |
| LOCATION | L0001514 | VOLUME | 475547.357 | 3744065.789 | 480.75 |
| LOCATION | L0001515 | VOLUME | 475555.947 | 3744065.829 | 480.46 |
| LOCATION | L0001516 | VOLUME | 475564.537 | 3744065.869 | 480.18 |
| LOCATION | L0001517 | VOLUME | 475573.126 | 3744065.909 | 479.89 |
| LOCATION | L0001518 | VOLUME | 475581.716 | 3744065.948 | 479.60 |
| LOCATION | L0001519 | VOLUME | 475590.306 | 3744065.988 | 479.32 |
| LOCATION | L0001520 | VOLUME | 475598.896 | 3744066.028 | 479.03 |
| LOCATION | L0001521 | VOLUME | 475607.486 | 3744066.068 | 478.83 |
| LOCATION | L0001522 | VOLUME | 475616.076 | 3744066.107 | 478.64 |
| LOCATION | L0001523 | VOLUME | 475624.666 | 3744066.147 | 478.45 |
| LOCATION | L0001524 | VOLUME | 475633.256 | 3744066.187 | 478.30 |
| LOCATION | L0001525 | VOLUME | 475641.846 | 3744066.227 | 478.20 |
| LOCATION | L0001526 | VOLUME | 475650.436 | 3744066.267 | 478.10 |
| ** End of LINE VOLUME Source ID = SLINE1 | | | | | |
| ** ----- | | | | | |
| ** Line Source Represented by Adjacent Volume Sources | | | | | |
| ** LINE VOLUME Source ID = SLINE2 | | | | | |
| ** DESCRSRC Idle S | | | | | |
| ** PREFIX | | | | | |
| ** Length of Side = 8.59 | | | | | |
| ** Configuration = Adjacent | | | | | |
| ** Emission Rate = 0.00002923 | | | | | |
| ** Vertical Dimension = 6.99 | | | | | |
| ** SZINIT = 3.25 | | | | | |
| ** Nodes = 2 | | | | | |
| ** 475285.365, 3743857.310, 482.64, 3.49, 4.00 | | | | | |
| ** 475651.805, 3743856.033, 477.94, 3.49, 4.00 | | | | | |
| ** ----- | | | | | |
| LOCATION | L0001527 | VOLUME | 475289.660 | 3743857.295 | 482.34 |
| LOCATION | L0001528 | VOLUME | 475298.249 | 3743857.265 | 482.05 |
| LOCATION | L0001529 | VOLUME | 475306.839 | 3743857.235 | 481.77 |
| LOCATION | L0001530 | VOLUME | 475315.429 | 3743857.205 | 481.48 |
| LOCATION | L0001531 | VOLUME | 475324.019 | 3743857.175 | 481.19 |
| LOCATION | L0001532 | VOLUME | 475332.609 | 3743857.145 | 481.00 |
| LOCATION | L0001533 | VOLUME | 475341.199 | 3743857.115 | 481.00 |
| LOCATION | L0001534 | VOLUME | 475349.789 | 3743857.085 | 481.00 |
| LOCATION | L0001535 | VOLUME | 475358.379 | 3743857.055 | 481.00 |
| LOCATION | L0001536 | VOLUME | 475366.969 | 3743857.025 | 481.00 |
| LOCATION | L0001537 | VOLUME | 475375.559 | 3743856.995 | 481.00 |
| LOCATION | L0001538 | VOLUME | 475384.149 | 3743856.966 | 481.00 |
| LOCATION | L0001539 | VOLUME | 475392.739 | 3743856.936 | 480.90 |
| LOCATION | L0001540 | VOLUME | 475401.329 | 3743856.906 | 480.62 |
| LOCATION | L0001541 | VOLUME | 475409.919 | 3743856.876 | 480.33 |
| LOCATION | L0001542 | VOLUME | 475418.509 | 3743856.846 | 480.04 |
| LOCATION | L0001543 | VOLUME | 475427.099 | 3743856.816 | 479.77 |
| LOCATION | L0001544 | VOLUME | 475435.689 | 3743856.786 | 479.50 |
| LOCATION | L0001545 | VOLUME | 475444.279 | 3743856.756 | 479.23 |
| LOCATION | L0001546 | VOLUME | 475452.869 | 3743856.726 | 478.98 |
| LOCATION | L0001547 | VOLUME | 475461.459 | 3743856.696 | 478.79 |
| LOCATION | L0001548 | VOLUME | 475470.048 | 3743856.666 | 478.59 |
| LOCATION | L0001549 | VOLUME | 475478.638 | 3743856.636 | 478.39 |
| LOCATION | L0001550 | VOLUME | 475487.228 | 3743856.606 | 478.61 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0001551 | VOLUME | 475495.818 | 3743856.576 | 478.89 |
| LOCATION | L0001552 | VOLUME | 475504.408 | 3743856.547 | 479.18 |
| LOCATION | L0001553 | VOLUME | 475512.998 | 3743856.517 | 479.39 |
| LOCATION | L0001554 | VOLUME | 475521.588 | 3743856.487 | 479.48 |
| LOCATION | L0001555 | VOLUME | 475530.178 | 3743856.457 | 479.57 |
| LOCATION | L0001556 | VOLUME | 475538.768 | 3743856.427 | 479.66 |
| LOCATION | L0001557 | VOLUME | 475547.358 | 3743856.397 | 479.50 |
| LOCATION | L0001558 | VOLUME | 475555.948 | 3743856.367 | 479.31 |
| LOCATION | L0001559 | VOLUME | 475564.538 | 3743856.337 | 479.12 |
| LOCATION | L0001560 | VOLUME | 475573.128 | 3743856.307 | 478.96 |
| LOCATION | L0001561 | VOLUME | 475581.718 | 3743856.277 | 478.87 |
| LOCATION | L0001562 | VOLUME | 475590.308 | 3743856.247 | 478.77 |
| LOCATION | L0001563 | VOLUME | 475598.898 | 3743856.217 | 478.68 |
| LOCATION | L0001564 | VOLUME | 475607.488 | 3743856.187 | 478.50 |
| LOCATION | L0001565 | VOLUME | 475616.078 | 3743856.157 | 478.30 |
| LOCATION | L0001566 | VOLUME | 475624.668 | 3743856.127 | 478.11 |
| LOCATION | L0001567 | VOLUME | 475633.257 | 3743856.098 | 478.00 |
| LOCATION | L0001568 | VOLUME | 475641.847 | 3743856.068 | 478.00 |
| LOCATION | L0001569 | VOLUME | 475650.437 | 3743856.038 | 478.00 |

** End of LINE VOLUME Source ID = SLINE2

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE4

** DESCRSRC Seaton 75%

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 7.102E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 3

** 475791.752, 3743810.544, 475.05, 3.49, 4.00

** 475791.251, 3744073.916, 475.14, 3.49, 4.00

** 475793.836, 3744154.563, 474.68, 3.49, 4.00

** -----

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0001862 | VOLUME | 475791.744 | 3743814.839 | 475.17 |
| LOCATION | L0001863 | VOLUME | 475791.728 | 3743823.429 | 475.35 |
| LOCATION | L0001864 | VOLUME | 475791.711 | 3743832.019 | 475.52 |
| LOCATION | L0001865 | VOLUME | 475791.695 | 3743840.609 | 475.66 |
| LOCATION | L0001866 | VOLUME | 475791.679 | 3743849.199 | 475.78 |
| LOCATION | L0001867 | VOLUME | 475791.662 | 3743857.789 | 475.89 |
| LOCATION | L0001868 | VOLUME | 475791.646 | 3743866.379 | 476.00 |
| LOCATION | L0001869 | VOLUME | 475791.630 | 3743874.969 | 476.00 |
| LOCATION | L0001870 | VOLUME | 475791.613 | 3743883.559 | 476.00 |
| LOCATION | L0001871 | VOLUME | 475791.597 | 3743892.149 | 476.00 |
| LOCATION | L0001872 | VOLUME | 475791.581 | 3743900.738 | 476.00 |
| LOCATION | L0001873 | VOLUME | 475791.564 | 3743909.328 | 476.00 |
| LOCATION | L0001874 | VOLUME | 475791.548 | 3743917.918 | 476.00 |
| LOCATION | L0001875 | VOLUME | 475791.532 | 3743926.508 | 476.00 |
| LOCATION | L0001876 | VOLUME | 475791.515 | 3743935.098 | 476.00 |
| LOCATION | L0001877 | VOLUME | 475791.499 | 3743943.688 | 476.00 |
| LOCATION | L0001878 | VOLUME | 475791.483 | 3743952.278 | 476.00 |
| LOCATION | L0001879 | VOLUME | 475791.466 | 3743960.868 | 476.00 |
| LOCATION | L0001880 | VOLUME | 475791.450 | 3743969.458 | 476.00 |
| LOCATION | L0001881 | VOLUME | 475791.434 | 3743978.048 | 476.00 |
| LOCATION | L0001882 | VOLUME | 475791.417 | 3743986.638 | 476.00 |
| LOCATION | L0001883 | VOLUME | 475791.401 | 3743995.228 | 476.00 |
| LOCATION | L0001884 | VOLUME | 475791.385 | 3744003.818 | 476.00 |
| LOCATION | L0001885 | VOLUME | 475791.368 | 3744012.408 | 476.00 |
| LOCATION | L0001886 | VOLUME | 475791.352 | 3744020.998 | 475.94 |
| LOCATION | L0001887 | VOLUME | 475791.336 | 3744029.588 | 475.83 |
| LOCATION | L0001888 | VOLUME | 475791.319 | 3744038.178 | 475.72 |
| LOCATION | L0001889 | VOLUME | 475791.303 | 3744046.768 | 475.61 |
| LOCATION | L0001890 | VOLUME | 475791.287 | 3744055.358 | 475.43 |
| LOCATION | L0001891 | VOLUME | 475791.270 | 3744063.948 | 475.25 |
| LOCATION | L0001892 | VOLUME | 475791.254 | 3744072.538 | 475.08 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0001893 | VOLUME | 475791.482 | 3744081.124 | 475.00 |
| LOCATION | L0001894 | VOLUME | 475791.757 | 3744089.710 | 475.00 |
| LOCATION | L0001895 | VOLUME | 475792.033 | 3744098.296 | 475.00 |
| LOCATION | L0001896 | VOLUME | 475792.308 | 3744106.881 | 474.99 |
| LOCATION | L0001897 | VOLUME | 475792.583 | 3744115.467 | 474.87 |
| LOCATION | L0001898 | VOLUME | 475792.858 | 3744124.052 | 474.74 |
| LOCATION | L0001899 | VOLUME | 475793.133 | 3744132.638 | 474.61 |
| LOCATION | L0001900 | VOLUME | 475793.408 | 3744141.224 | 474.55 |
| LOCATION | L0001901 | VOLUME | 475793.683 | 3744149.809 | 474.54 |

** End of LINE VOLUME Source ID = SLINE4

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE5

** DESCRSRC Cajalco 15%

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 6.626E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 7

** 475790.008, 3744155.508, 474.78, 3.49, 4.00

** 475661.909, 3744154.201, 477.07, 3.49, 4.00

** 475564.136, 3744153.940, 479.13, 3.49, 4.00

** 475233.172, 3744153.417, 488.71, 3.49, 4.00

** 475139.843, 3744152.632, 493.79, 3.49, 4.00

** 475055.402, 3744152.894, 497.87, 3.49, 4.00

** 474184.842, 3744151.822, 516.95, 3.49, 4.00

** -----

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0001902 | VOLUME | 475785.713 | 3744155.464 | 474.80 |
| LOCATION | L0001903 | VOLUME | 475777.123 | 3744155.377 | 475.00 |
| LOCATION | L0001904 | VOLUME | 475768.534 | 3744155.289 | 475.00 |
| LOCATION | L0001905 | VOLUME | 475759.944 | 3744155.201 | 475.00 |
| LOCATION | L0001906 | VOLUME | 475751.355 | 3744155.114 | 475.00 |
| LOCATION | L0001907 | VOLUME | 475742.765 | 3744155.026 | 475.24 |
| LOCATION | L0001908 | VOLUME | 475734.176 | 3744154.938 | 475.52 |
| LOCATION | L0001909 | VOLUME | 475725.586 | 3744154.851 | 475.81 |
| LOCATION | L0001910 | VOLUME | 475716.997 | 3744154.763 | 476.06 |
| LOCATION | L0001911 | VOLUME | 475708.407 | 3744154.675 | 476.23 |
| LOCATION | L0001912 | VOLUME | 475699.818 | 3744154.588 | 476.41 |
| LOCATION | L0001913 | VOLUME | 475691.228 | 3744154.500 | 476.58 |
| LOCATION | L0001914 | VOLUME | 475682.638 | 3744154.413 | 476.70 |
| LOCATION | L0001915 | VOLUME | 475674.049 | 3744154.325 | 476.81 |
| LOCATION | L0001916 | VOLUME | 475665.459 | 3744154.237 | 476.93 |
| LOCATION | L0001917 | VOLUME | 475656.869 | 3744154.188 | 477.10 |
| LOCATION | L0001918 | VOLUME | 475648.280 | 3744154.165 | 477.38 |
| LOCATION | L0001919 | VOLUME | 475639.690 | 3744154.142 | 477.67 |
| LOCATION | L0001920 | VOLUME | 475631.100 | 3744154.119 | 477.96 |
| LOCATION | L0001921 | VOLUME | 475622.510 | 3744154.096 | 478.24 |
| LOCATION | L0001922 | VOLUME | 475613.920 | 3744154.073 | 478.53 |
| LOCATION | L0001923 | VOLUME | 475605.330 | 3744154.050 | 478.82 |
| LOCATION | L0001924 | VOLUME | 475596.740 | 3744154.027 | 479.00 |
| LOCATION | L0001925 | VOLUME | 475588.150 | 3744154.004 | 479.00 |
| LOCATION | L0001926 | VOLUME | 475579.560 | 3744153.981 | 479.00 |
| LOCATION | L0001927 | VOLUME | 475570.970 | 3744153.958 | 479.00 |
| LOCATION | L0001928 | VOLUME | 475562.380 | 3744153.937 | 479.25 |
| LOCATION | L0001929 | VOLUME | 475553.790 | 3744153.923 | 479.53 |
| LOCATION | L0001930 | VOLUME | 475545.200 | 3744153.910 | 479.82 |
| LOCATION | L0001931 | VOLUME | 475536.610 | 3744153.896 | 480.04 |
| LOCATION | L0001932 | VOLUME | 475528.020 | 3744153.883 | 480.16 |
| LOCATION | L0001933 | VOLUME | 475519.430 | 3744153.869 | 480.28 |
| LOCATION | L0001934 | VOLUME | 475510.840 | 3744153.855 | 480.40 |
| LOCATION | L0001935 | VOLUME | 475502.250 | 3744153.842 | 480.41 |
| LOCATION | L0001936 | VOLUME | 475493.660 | 3744153.828 | 480.41 |
| LOCATION | L0001937 | VOLUME | 475485.070 | 3744153.815 | 480.41 |
| LOCATION | L0001938 | VOLUME | 475476.480 | 3744153.801 | 480.37 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0001939 | VOLUME | 475467.890 | 3744153.788 | 480.25 |
| LOCATION | L0001940 | VOLUME | 475459.300 | 3744153.774 | 480.13 |
| LOCATION | L0001941 | VOLUME | 475450.710 | 3744153.760 | 480.01 |
| LOCATION | L0001942 | VOLUME | 475442.120 | 3744153.747 | 480.26 |
| LOCATION | L0001943 | VOLUME | 475433.530 | 3744153.733 | 480.54 |
| LOCATION | L0001944 | VOLUME | 475424.940 | 3744153.720 | 480.83 |
| LOCATION | L0001945 | VOLUME | 475416.350 | 3744153.706 | 481.00 |
| LOCATION | L0001946 | VOLUME | 475407.760 | 3744153.693 | 481.00 |
| LOCATION | L0001947 | VOLUME | 475399.170 | 3744153.679 | 481.00 |
| LOCATION | L0001948 | VOLUME | 475390.580 | 3744153.665 | 481.00 |
| LOCATION | L0001949 | VOLUME | 475381.990 | 3744153.652 | 481.26 |
| LOCATION | L0001950 | VOLUME | 475373.400 | 3744153.638 | 481.55 |
| LOCATION | L0001951 | VOLUME | 475364.810 | 3744153.625 | 481.83 |
| LOCATION | L0001952 | VOLUME | 475356.220 | 3744153.611 | 482.24 |
| LOCATION | L0001953 | VOLUME | 475347.630 | 3744153.598 | 482.81 |
| LOCATION | L0001954 | VOLUME | 475339.040 | 3744153.584 | 483.38 |
| LOCATION | L0001955 | VOLUME | 475330.450 | 3744153.570 | 483.96 |
| LOCATION | L0001956 | VOLUME | 475321.860 | 3744153.557 | 484.38 |
| LOCATION | L0001957 | VOLUME | 475313.270 | 3744153.543 | 484.78 |
| LOCATION | L0001958 | VOLUME | 475304.680 | 3744153.530 | 485.19 |
| LOCATION | L0001959 | VOLUME | 475296.090 | 3744153.516 | 485.62 |
| LOCATION | L0001960 | VOLUME | 475287.500 | 3744153.503 | 486.07 |
| LOCATION | L0001961 | VOLUME | 475278.910 | 3744153.489 | 486.52 |
| LOCATION | L0001962 | VOLUME | 475270.320 | 3744153.475 | 486.97 |
| LOCATION | L0001963 | VOLUME | 475261.730 | 3744153.462 | 487.42 |
| LOCATION | L0001964 | VOLUME | 475253.140 | 3744153.448 | 487.88 |
| LOCATION | L0001965 | VOLUME | 475244.550 | 3744153.435 | 488.33 |
| LOCATION | L0001966 | VOLUME | 475235.960 | 3744153.421 | 488.76 |
| LOCATION | L0001967 | VOLUME | 475227.370 | 3744153.368 | 489.16 |
| LOCATION | L0001968 | VOLUME | 475218.781 | 3744153.296 | 489.57 |
| LOCATION | L0001969 | VOLUME | 475210.191 | 3744153.224 | 489.98 |
| LOCATION | L0001970 | VOLUME | 475201.601 | 3744153.151 | 490.43 |
| LOCATION | L0001971 | VOLUME | 475193.012 | 3744153.079 | 490.87 |
| LOCATION | L0001972 | VOLUME | 475184.422 | 3744153.007 | 491.32 |
| LOCATION | L0001973 | VOLUME | 475175.832 | 3744152.935 | 491.75 |
| LOCATION | L0001974 | VOLUME | 475167.243 | 3744152.863 | 492.16 |
| LOCATION | L0001975 | VOLUME | 475158.653 | 3744152.791 | 492.57 |
| LOCATION | L0001976 | VOLUME | 475150.063 | 3744152.718 | 492.99 |
| LOCATION | L0001977 | VOLUME | 475141.473 | 3744152.646 | 493.43 |
| LOCATION | L0001978 | VOLUME | 475132.884 | 3744152.654 | 493.87 |
| LOCATION | L0001979 | VOLUME | 475124.294 | 3744152.681 | 494.32 |
| LOCATION | L0001980 | VOLUME | 475115.704 | 3744152.707 | 494.61 |
| LOCATION | L0001981 | VOLUME | 475107.114 | 3744152.734 | 494.74 |
| LOCATION | L0001982 | VOLUME | 475098.524 | 3744152.760 | 494.87 |
| LOCATION | L0001983 | VOLUME | 475089.934 | 3744152.787 | 495.00 |
| LOCATION | L0001984 | VOLUME | 475081.344 | 3744152.814 | 495.75 |
| LOCATION | L0001985 | VOLUME | 475072.754 | 3744152.840 | 496.51 |
| LOCATION | L0001986 | VOLUME | 475064.164 | 3744152.867 | 497.28 |
| LOCATION | L0001987 | VOLUME | 475055.574 | 3744152.893 | 497.75 |
| LOCATION | L0001988 | VOLUME | 475046.984 | 3744152.884 | 497.91 |
| LOCATION | L0001989 | VOLUME | 475038.394 | 3744152.873 | 498.06 |
| LOCATION | L0001990 | VOLUME | 475029.804 | 3744152.862 | 498.22 |
| LOCATION | L0001991 | VOLUME | 475021.214 | 3744152.852 | 498.48 |
| LOCATION | L0001992 | VOLUME | 475012.624 | 3744152.841 | 498.73 |
| LOCATION | L0001993 | VOLUME | 475004.034 | 3744152.831 | 498.98 |
| LOCATION | L0001994 | VOLUME | 474995.444 | 3744152.820 | 499.32 |
| LOCATION | L0001995 | VOLUME | 474986.854 | 3744152.809 | 499.73 |
| LOCATION | L0001996 | VOLUME | 474978.264 | 3744152.799 | 500.15 |
| LOCATION | L0001997 | VOLUME | 474969.674 | 3744152.788 | 500.56 |
| LOCATION | L0001998 | VOLUME | 474961.084 | 3744152.778 | 500.84 |
| LOCATION | L0001999 | VOLUME | 474952.494 | 3744152.767 | 501.13 |
| LOCATION | L0002000 | VOLUME | 474943.904 | 3744152.757 | 501.42 |
| LOCATION | L0002001 | VOLUME | 474935.314 | 3744152.746 | 501.93 |
| LOCATION | L0002002 | VOLUME | 474926.724 | 3744152.735 | 502.66 |
| LOCATION | L0002003 | VOLUME | 474918.134 | 3744152.725 | 503.39 |
| LOCATION | L0002004 | VOLUME | 474909.544 | 3744152.714 | 504.12 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002005 | VOLUME | 474900.954 | 3744152.704 | 504.69 |
| LOCATION | L0002006 | VOLUME | 474892.364 | 3744152.693 | 505.26 |
| LOCATION | L0002007 | VOLUME | 474883.774 | 3744152.683 | 505.83 |
| LOCATION | L0002008 | VOLUME | 474875.184 | 3744152.672 | 506.42 |
| LOCATION | L0002009 | VOLUME | 474866.594 | 3744152.661 | 507.02 |
| LOCATION | L0002010 | VOLUME | 474858.004 | 3744152.651 | 507.62 |
| LOCATION | L0002011 | VOLUME | 474849.414 | 3744152.640 | 508.22 |
| LOCATION | L0002012 | VOLUME | 474840.824 | 3744152.630 | 508.79 |
| LOCATION | L0002013 | VOLUME | 474832.234 | 3744152.619 | 509.36 |
| LOCATION | L0002014 | VOLUME | 474823.644 | 3744152.609 | 509.93 |
| LOCATION | L0002015 | VOLUME | 474815.054 | 3744152.598 | 510.26 |
| LOCATION | L0002016 | VOLUME | 474806.464 | 3744152.587 | 510.39 |
| LOCATION | L0002017 | VOLUME | 474797.874 | 3744152.577 | 510.52 |
| LOCATION | L0002018 | VOLUME | 474789.284 | 3744152.566 | 510.63 |
| LOCATION | L0002019 | VOLUME | 474780.694 | 3744152.556 | 510.47 |
| LOCATION | L0002020 | VOLUME | 474772.104 | 3744152.545 | 510.31 |
| LOCATION | L0002021 | VOLUME | 474763.514 | 3744152.535 | 510.16 |
| LOCATION | L0002022 | VOLUME | 474754.924 | 3744152.524 | 510.32 |
| LOCATION | L0002023 | VOLUME | 474746.334 | 3744152.513 | 510.74 |
| LOCATION | L0002024 | VOLUME | 474737.744 | 3744152.503 | 511.16 |
| LOCATION | L0002025 | VOLUME | 474729.154 | 3744152.492 | 511.56 |
| LOCATION | L0002026 | VOLUME | 474720.564 | 3744152.482 | 511.85 |
| LOCATION | L0002027 | VOLUME | 474711.974 | 3744152.471 | 512.14 |
| LOCATION | L0002028 | VOLUME | 474703.384 | 3744152.461 | 512.42 |
| LOCATION | L0002029 | VOLUME | 474694.794 | 3744152.450 | 512.71 |
| LOCATION | L0002030 | VOLUME | 474686.204 | 3744152.439 | 512.99 |
| LOCATION | L0002031 | VOLUME | 474677.614 | 3744152.429 | 513.28 |
| LOCATION | L0002032 | VOLUME | 474669.024 | 3744152.418 | 513.57 |
| LOCATION | L0002033 | VOLUME | 474660.434 | 3744152.408 | 513.85 |
| LOCATION | L0002034 | VOLUME | 474651.844 | 3744152.397 | 514.14 |
| LOCATION | L0002035 | VOLUME | 474643.254 | 3744152.387 | 514.42 |
| LOCATION | L0002036 | VOLUME | 474634.664 | 3744152.376 | 514.54 |
| LOCATION | L0002037 | VOLUME | 474626.074 | 3744152.365 | 514.54 |
| LOCATION | L0002038 | VOLUME | 474617.484 | 3744152.355 | 514.54 |
| LOCATION | L0002039 | VOLUME | 474608.894 | 3744152.344 | 514.57 |
| LOCATION | L0002040 | VOLUME | 474600.304 | 3744152.334 | 514.85 |
| LOCATION | L0002041 | VOLUME | 474591.714 | 3744152.323 | 515.14 |
| LOCATION | L0002042 | VOLUME | 474583.124 | 3744152.313 | 515.43 |
| LOCATION | L0002043 | VOLUME | 474574.534 | 3744152.302 | 515.89 |
| LOCATION | L0002044 | VOLUME | 474565.944 | 3744152.291 | 516.46 |
| LOCATION | L0002045 | VOLUME | 474557.354 | 3744152.281 | 517.03 |
| LOCATION | L0002046 | VOLUME | 474548.764 | 3744152.270 | 517.57 |
| LOCATION | L0002047 | VOLUME | 474540.174 | 3744152.260 | 517.86 |
| LOCATION | L0002048 | VOLUME | 474531.584 | 3744152.249 | 518.14 |
| LOCATION | L0002049 | VOLUME | 474522.994 | 3744152.238 | 518.43 |
| LOCATION | L0002050 | VOLUME | 474514.404 | 3744152.228 | 518.63 |
| LOCATION | L0002051 | VOLUME | 474505.814 | 3744152.217 | 518.78 |
| LOCATION | L0002052 | VOLUME | 474497.224 | 3744152.207 | 518.93 |
| LOCATION | L0002053 | VOLUME | 474488.634 | 3744152.196 | 519.10 |
| LOCATION | L0002054 | VOLUME | 474480.044 | 3744152.186 | 519.39 |
| LOCATION | L0002055 | VOLUME | 474471.454 | 3744152.175 | 519.68 |
| LOCATION | L0002056 | VOLUME | 474462.864 | 3744152.164 | 519.96 |
| LOCATION | L0002057 | VOLUME | 474454.274 | 3744152.154 | 520.15 |
| LOCATION | L0002058 | VOLUME | 474445.684 | 3744152.143 | 520.28 |
| LOCATION | L0002059 | VOLUME | 474437.094 | 3744152.133 | 520.42 |
| LOCATION | L0002060 | VOLUME | 474428.504 | 3744152.122 | 520.51 |
| LOCATION | L0002061 | VOLUME | 474419.914 | 3744152.112 | 520.38 |
| LOCATION | L0002062 | VOLUME | 474411.324 | 3744152.101 | 520.24 |
| LOCATION | L0002063 | VOLUME | 474402.734 | 3744152.090 | 520.11 |
| LOCATION | L0002064 | VOLUME | 474394.144 | 3744152.080 | 519.87 |
| LOCATION | L0002065 | VOLUME | 474385.554 | 3744152.069 | 519.58 |
| LOCATION | L0002066 | VOLUME | 474376.964 | 3744152.059 | 519.30 |
| LOCATION | L0002067 | VOLUME | 474368.374 | 3744152.048 | 519.06 |
| LOCATION | L0002068 | VOLUME | 474359.784 | 3744152.038 | 519.06 |
| LOCATION | L0002069 | VOLUME | 474351.194 | 3744152.027 | 519.05 |
| LOCATION | L0002070 | VOLUME | 474342.604 | 3744152.016 | 519.05 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002071 | VOLUME | 474334.014 | 3744152.006 | 519.14 |
| LOCATION | L0002072 | VOLUME | 474325.424 | 3744151.995 | 519.28 |
| LOCATION | L0002073 | VOLUME | 474316.835 | 3744151.985 | 519.41 |
| LOCATION | L0002074 | VOLUME | 474308.245 | 3744151.974 | 519.47 |
| LOCATION | L0002075 | VOLUME | 474299.655 | 3744151.964 | 519.19 |
| LOCATION | L0002076 | VOLUME | 474291.065 | 3744151.953 | 518.90 |
| LOCATION | L0002077 | VOLUME | 474282.475 | 3744151.942 | 518.61 |
| LOCATION | L0002078 | VOLUME | 474273.885 | 3744151.932 | 518.52 |
| LOCATION | L0002079 | VOLUME | 474265.295 | 3744151.921 | 518.52 |
| LOCATION | L0002080 | VOLUME | 474256.705 | 3744151.911 | 518.52 |
| LOCATION | L0002081 | VOLUME | 474248.115 | 3744151.900 | 518.47 |
| LOCATION | L0002082 | VOLUME | 474239.525 | 3744151.890 | 518.18 |
| LOCATION | L0002083 | VOLUME | 474230.935 | 3744151.879 | 517.89 |
| LOCATION | L0002084 | VOLUME | 474222.345 | 3744151.868 | 517.61 |
| LOCATION | L0002085 | VOLUME | 474213.755 | 3744151.858 | 517.42 |
| LOCATION | L0002086 | VOLUME | 474205.165 | 3744151.847 | 517.27 |
| LOCATION | L0002087 | VOLUME | 474196.575 | 3744151.837 | 517.12 |
| LOCATION | L0002088 | VOLUME | 474187.985 | 3744151.826 | 516.94 |

** End of LINE VOLUME Source ID = SLINE5

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE6

** DESCRSRC Cajalco 60%

** PREFIX

** Length of Side = 8.59

** Configuration = Adjacent

** Emission Rate = 0.0000125

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 14

** 475798.383, 3744154.980, 474.50, 3.49, 4.00

** 475843.240, 3744155.796, 473.26, 3.49, 4.00

** 475887.282, 3744161.505, 473.10, 3.49, 4.00

** 475929.693, 3744172.923, 472.07, 3.49, 4.00

** 475964.760, 3744185.061, 471.88, 3.49, 4.00

** 476012.748, 3744206.902, 471.00, 3.49, 4.00

** 476055.198, 3744232.126, 470.08, 3.49, 4.00

** 476092.419, 3744258.580, 469.69, 3.49, 4.00

** 476125.025, 3744289.033, 469.00, 3.49, 4.00

** 476149.634, 3744318.256, 468.11, 3.49, 4.00

** 476186.240, 3744364.706, 467.00, 3.49, 4.00

** 476203.774, 3744385.623, 467.00, 3.49, 4.00

** 476317.897, 3744549.887, 463.04, 3.49, 4.00

** 476356.964, 3744604.334, 463.00, 3.49, 4.00

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| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002089 | VOLUME | 475802.677 | 3744155.058 | 474.24 |
| LOCATION | L0002090 | VOLUME | 475811.266 | 3744155.214 | 473.97 |
| LOCATION | L0002091 | VOLUME | 475819.854 | 3744155.370 | 473.79 |
| LOCATION | L0002092 | VOLUME | 475828.443 | 3744155.527 | 473.60 |
| LOCATION | L0002093 | VOLUME | 475837.031 | 3744155.683 | 473.41 |
| LOCATION | L0002094 | VOLUME | 475845.601 | 3744156.102 | 473.34 |
| LOCATION | L0002095 | VOLUME | 475854.119 | 3744157.206 | 473.30 |
| LOCATION | L0002096 | VOLUME | 475862.638 | 3744158.310 | 473.26 |
| LOCATION | L0002097 | VOLUME | 475871.157 | 3744159.414 | 473.22 |
| LOCATION | L0002098 | VOLUME | 475879.675 | 3744160.519 | 473.13 |
| LOCATION | L0002099 | VOLUME | 475888.170 | 3744161.744 | 473.06 |
| LOCATION | L0002100 | VOLUME | 475896.465 | 3744163.977 | 473.01 |
| LOCATION | L0002101 | VOLUME | 475904.760 | 3744166.210 | 472.84 |
| LOCATION | L0002102 | VOLUME | 475913.054 | 3744168.443 | 472.52 |
| LOCATION | L0002103 | VOLUME | 475921.349 | 3744170.677 | 472.24 |
| LOCATION | L0002104 | VOLUME | 475929.643 | 3744172.910 | 472.00 |
| LOCATION | L0002105 | VOLUME | 475937.762 | 3744175.716 | 472.00 |
| LOCATION | L0002106 | VOLUME | 475945.879 | 3744178.526 | 472.00 |
| LOCATION | L0002107 | VOLUME | 475953.997 | 3744181.336 | 472.00 |
| LOCATION | L0002108 | VOLUME | 475962.114 | 3744184.145 | 471.95 |
| LOCATION | L0002109 | VOLUME | 475970.030 | 3744187.460 | 471.76 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002110 | VOLUME | 475977.849 | 3744191.018 | 471.50 |
| LOCATION | L0002111 | VOLUME | 475985.667 | 3744194.576 | 471.19 |
| LOCATION | L0002112 | VOLUME | 475993.485 | 3744198.135 | 471.00 |
| LOCATION | L0002113 | VOLUME | 476001.304 | 3744201.693 | 471.00 |
| LOCATION | L0002114 | VOLUME | 476009.122 | 3744205.251 | 471.00 |
| LOCATION | L0002115 | VOLUME | 476016.708 | 3744209.255 | 471.00 |
| LOCATION | L0002116 | VOLUME | 476024.092 | 3744213.643 | 470.92 |
| LOCATION | L0002117 | VOLUME | 476031.477 | 3744218.031 | 470.72 |
| LOCATION | L0002118 | VOLUME | 476038.862 | 3744222.419 | 470.45 |
| LOCATION | L0002119 | VOLUME | 476046.246 | 3744226.807 | 470.12 |
| LOCATION | L0002120 | VOLUME | 476053.631 | 3744231.195 | 470.00 |
| LOCATION | L0002121 | VOLUME | 476060.714 | 3744236.046 | 470.00 |
| LOCATION | L0002122 | VOLUME | 476067.716 | 3744241.023 | 470.00 |
| LOCATION | L0002123 | VOLUME | 476074.717 | 3744245.999 | 470.00 |
| LOCATION | L0002124 | VOLUME | 476081.719 | 3744250.975 | 469.95 |
| LOCATION | L0002125 | VOLUME | 476088.721 | 3744255.952 | 469.71 |
| LOCATION | L0002126 | VOLUME | 476095.381 | 3744261.347 | 469.40 |
| LOCATION | L0002127 | VOLUME | 476101.659 | 3744267.210 | 469.17 |
| LOCATION | L0002128 | VOLUME | 476107.936 | 3744273.073 | 469.03 |
| LOCATION | L0002129 | VOLUME | 476114.214 | 3744278.936 | 469.00 |
| LOCATION | L0002130 | VOLUME | 476120.492 | 3744284.800 | 469.00 |
| LOCATION | L0002131 | VOLUME | 476126.563 | 3744290.859 | 468.91 |
| LOCATION | L0002132 | VOLUME | 476132.096 | 3744297.430 | 468.72 |
| LOCATION | L0002133 | VOLUME | 476137.629 | 3744304.000 | 468.45 |
| LOCATION | L0002134 | VOLUME | 476143.162 | 3744310.571 | 468.17 |
| LOCATION | L0002135 | VOLUME | 476148.695 | 3744317.142 | 467.99 |
| LOCATION | L0002136 | VOLUME | 476154.049 | 3744323.858 | 467.88 |
| LOCATION | L0002137 | VOLUME | 476159.366 | 3744330.605 | 467.69 |
| LOCATION | L0002138 | VOLUME | 476164.683 | 3744337.352 | 467.42 |
| LOCATION | L0002139 | VOLUME | 476170.000 | 3744344.099 | 467.07 |
| LOCATION | L0002140 | VOLUME | 476175.317 | 3744350.845 | 467.00 |
| LOCATION | L0002141 | VOLUME | 476180.634 | 3744357.592 | 467.00 |
| LOCATION | L0002142 | VOLUME | 476185.951 | 3744364.339 | 467.00 |
| LOCATION | L0002143 | VOLUME | 476191.458 | 3744370.931 | 467.00 |
| LOCATION | L0002144 | VOLUME | 476196.976 | 3744377.514 | 466.96 |
| LOCATION | L0002145 | VOLUME | 476202.494 | 3744384.097 | 466.74 |
| LOCATION | L0002146 | VOLUME | 476207.539 | 3744391.042 | 466.50 |
| LOCATION | L0002147 | VOLUME | 476212.440 | 3744398.097 | 466.27 |
| LOCATION | L0002148 | VOLUME | 476217.341 | 3744405.151 | 466.03 |
| LOCATION | L0002149 | VOLUME | 476222.242 | 3744412.206 | 466.00 |
| LOCATION | L0002150 | VOLUME | 476227.143 | 3744419.260 | 466.00 |
| LOCATION | L0002151 | VOLUME | 476232.045 | 3744426.315 | 465.95 |
| LOCATION | L0002152 | VOLUME | 476236.946 | 3744433.370 | 465.79 |
| LOCATION | L0002153 | VOLUME | 476241.847 | 3744440.424 | 465.52 |
| LOCATION | L0002154 | VOLUME | 476246.748 | 3744447.479 | 465.27 |
| LOCATION | L0002155 | VOLUME | 476251.649 | 3744454.533 | 465.11 |
| LOCATION | L0002156 | VOLUME | 476256.550 | 3744461.588 | 465.02 |
| LOCATION | L0002157 | VOLUME | 476261.452 | 3744468.642 | 465.00 |
| LOCATION | L0002158 | VOLUME | 476266.353 | 3744475.697 | 464.93 |
| LOCATION | L0002159 | VOLUME | 476271.254 | 3744482.751 | 464.79 |
| LOCATION | L0002160 | VOLUME | 476276.155 | 3744489.806 | 464.57 |
| LOCATION | L0002161 | VOLUME | 476281.056 | 3744496.860 | 464.29 |
| LOCATION | L0002162 | VOLUME | 476285.958 | 3744503.915 | 464.10 |
| LOCATION | L0002163 | VOLUME | 476290.859 | 3744510.969 | 463.98 |
| LOCATION | L0002164 | VOLUME | 476295.760 | 3744518.024 | 463.86 |
| LOCATION | L0002165 | VOLUME | 476300.661 | 3744525.078 | 463.65 |
| LOCATION | L0002166 | VOLUME | 476305.562 | 3744532.133 | 463.48 |
| LOCATION | L0002167 | VOLUME | 476310.463 | 3744539.188 | 463.31 |
| LOCATION | L0002168 | VOLUME | 476315.365 | 3744546.242 | 463.15 |
| LOCATION | L0002169 | VOLUME | 476320.317 | 3744553.260 | 463.00 |
| LOCATION | L0002170 | VOLUME | 476325.325 | 3744560.240 | 463.00 |
| LOCATION | L0002171 | VOLUME | 476330.333 | 3744567.219 | 463.00 |
| LOCATION | L0002172 | VOLUME | 476335.341 | 3744574.198 | 463.00 |
| LOCATION | L0002173 | VOLUME | 476340.348 | 3744581.177 | 463.00 |
| LOCATION | L0002174 | VOLUME | 476345.356 | 3744588.157 | 463.00 |
| LOCATION | L0002175 | VOLUME | 476350.364 | 3744595.136 | 463.00 |


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LOCATION L0002176      VOLUME    476355.372 3744602.115 463.00
** End of LINE VOLUME Source ID = SLINE6
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC Cajalco 55%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 8.855E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 7
** 476358.380, 3744609.906, 463.00, 3.49, 6.51
** 476397.864, 3744663.534, 462.06, 3.49, 6.51
** 476443.242, 3744707.734, 460.99, 3.49, 6.51
** 476494.513, 3744747.218, 460.14, 3.49, 6.51
** 476545.784, 3744774.916, 459.52, 3.49, 6.51
** 476654.220, 3744816.169, 457.25, 3.49, 6.51
** 476856.357, 3744892.781, 456.00, 3.49, 6.51
** -----
LOCATION L0002177      VOLUME    476362.530 3744615.543 463.00
LOCATION L0002178      VOLUME    476370.831 3744626.817 462.75
LOCATION L0002179      VOLUME    476379.131 3744638.091 462.29
LOCATION L0002180      VOLUME    476387.432 3744649.365 462.00
LOCATION L0002181      VOLUME    476395.732 3744660.639 462.00
LOCATION L0002182      VOLUME    476405.317 3744670.794 462.00
LOCATION L0002183      VOLUME    476415.346 3744680.562 461.82
LOCATION L0002184      VOLUME    476425.375 3744690.331 461.48
LOCATION L0002185      VOLUME    476435.404 3744700.099 461.15
LOCATION L0002186      VOLUME    476445.665 3744709.599 460.83
LOCATION L0002187      VOLUME    476456.757 3744718.142 460.66
LOCATION L0002188      VOLUME    476467.849 3744726.684 460.70
LOCATION L0002189      VOLUME    476478.941 3744735.226 460.67
LOCATION L0002190      VOLUME    476490.033 3744743.768 460.24
LOCATION L0002191      VOLUME    476501.855 3744751.185 460.00
LOCATION L0002192      VOLUME    476514.173 3744757.839 460.00
LOCATION L0002193      VOLUME    476526.490 3744764.493 460.00
LOCATION L0002194      VOLUME    476538.808 3744771.148 459.70
LOCATION L0002195      VOLUME    476551.458 3744777.075 459.28
LOCATION L0002196      VOLUME    476564.543 3744782.053 458.84
LOCATION L0002197      VOLUME    476577.628 3744787.031 458.41
LOCATION L0002198      VOLUME    476590.713 3744792.009 458.00
LOCATION L0002199      VOLUME    476603.799 3744796.987 458.00
LOCATION L0002200      VOLUME    476616.884 3744801.965 458.00
LOCATION L0002201      VOLUME    476629.969 3744806.943 457.88
LOCATION L0002202      VOLUME    476643.054 3744811.921 457.59
LOCATION L0002203      VOLUME    476656.140 3744816.897 457.24
LOCATION L0002204      VOLUME    476669.231 3744821.858 457.05
LOCATION L0002205      VOLUME    476682.322 3744826.820 457.00
LOCATION L0002206      VOLUME    476695.414 3744831.782 457.00
LOCATION L0002207      VOLUME    476708.505 3744836.744 457.00
LOCATION L0002208      VOLUME    476721.596 3744841.705 457.00
LOCATION L0002209      VOLUME    476734.687 3744846.667 457.00
LOCATION L0002210      VOLUME    476747.779 3744851.629 457.00
LOCATION L0002211      VOLUME    476760.870 3744856.590 457.00
LOCATION L0002212      VOLUME    476773.961 3744861.552 457.00
LOCATION L0002213      VOLUME    476787.052 3744866.514 457.00
LOCATION L0002214      VOLUME    476800.144 3744871.476 456.00
LOCATION L0002215      VOLUME    476813.235 3744876.437 456.00
LOCATION L0002216      VOLUME    476826.326 3744881.399 456.00
LOCATION L0002217      VOLUME    476839.418 3744886.361 456.00
LOCATION L0002218      VOLUME    476852.509 3744891.322 456.00
** End of LINE VOLUME Source ID = SLINE7
** -----
** Line Source Represented by Adjacent Volume Sources

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** LINE VOLUME Source ID = SLINE9
** DESCRSRC Seaton 25%
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001123
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 9

** 475790.448, 3743807.111, 475.05, 3.49, 4.00
** 475793.328, 3743363.730, 476.12, 3.49, 4.00
** 475801.965, 3743347.415, 476.00, 3.49, 4.00
** 475824.038, 3743342.616, 476.00, 3.49, 4.00
** 475888.338, 3743344.536, 475.03, 3.49, 4.00
** 476141.699, 3743354.133, 475.99, 3.49, 4.00
** 476421.931, 3743357.012, 471.72, 3.49, 4.00
** 476651.300, 3743370.448, 465.99, 3.49, 4.00
** 476970.880, 3743377.166, 460.36, 3.49, 4.00

** -----
LOCATION L0002219 VOLUME 475790.476 3743802.816 475.00
LOCATION L0002220 VOLUME 475790.532 3743794.227 475.00
LOCATION L0002221 VOLUME 475790.588 3743785.637 475.00
LOCATION L0002222 VOLUME 475790.644 3743777.047 475.00
LOCATION L0002223 VOLUME 475790.699 3743768.457 474.91
LOCATION L0002224 VOLUME 475790.755 3743759.867 474.80
LOCATION L0002225 VOLUME 475790.811 3743751.278 474.70
LOCATION L0002226 VOLUME 475790.867 3743742.688 474.63
LOCATION L0002227 VOLUME 475790.923 3743734.098 474.63
LOCATION L0002228 VOLUME 475790.978 3743725.508 474.63
LOCATION L0002229 VOLUME 475791.034 3743716.918 474.63
LOCATION L0002230 VOLUME 475791.090 3743708.328 474.36
LOCATION L0002231 VOLUME 475791.146 3743699.739 474.07
LOCATION L0002232 VOLUME 475791.201 3743691.149 473.79
LOCATION L0002233 VOLUME 475791.257 3743682.559 473.42
LOCATION L0002234 VOLUME 475791.313 3743673.969 472.96
LOCATION L0002235 VOLUME 475791.369 3743665.379 472.50
LOCATION L0002236 VOLUME 475791.425 3743656.790 472.03
LOCATION L0002237 VOLUME 475791.480 3743648.200 472.00
LOCATION L0002238 VOLUME 475791.536 3743639.610 472.00
LOCATION L0002239 VOLUME 475791.592 3743631.020 472.00
LOCATION L0002240 VOLUME 475791.648 3743622.430 472.13
LOCATION L0002241 VOLUME 475791.703 3743613.840 472.41
LOCATION L0002242 VOLUME 475791.759 3743605.251 472.70
LOCATION L0002243 VOLUME 475791.815 3743596.661 472.98
LOCATION L0002244 VOLUME 475791.871 3743588.071 473.00
LOCATION L0002245 VOLUME 475791.927 3743579.481 473.00
LOCATION L0002246 VOLUME 475791.982 3743570.891 473.00
LOCATION L0002247 VOLUME 475792.038 3743562.302 473.08
LOCATION L0002248 VOLUME 475792.094 3743553.712 473.25
LOCATION L0002249 VOLUME 475792.150 3743545.122 473.41
LOCATION L0002250 VOLUME 475792.205 3743536.532 473.58
LOCATION L0002251 VOLUME 475792.261 3743527.942 473.59
LOCATION L0002252 VOLUME 475792.317 3743519.352 473.58
LOCATION L0002253 VOLUME 475792.373 3743510.763 473.58
LOCATION L0002254 VOLUME 475792.429 3743502.173 473.71
LOCATION L0002255 VOLUME 475792.484 3743493.583 474.00
LOCATION L0002256 VOLUME 475792.540 3743484.993 474.28
LOCATION L0002257 VOLUME 475792.596 3743476.403 474.57
LOCATION L0002258 VOLUME 475792.652 3743467.814 474.69
LOCATION L0002259 VOLUME 475792.707 3743459.224 474.81
LOCATION L0002260 VOLUME 475792.763 3743450.634 474.94
LOCATION L0002261 VOLUME 475792.819 3743442.044 475.14
LOCATION L0002262 VOLUME 475792.875 3743433.454 475.42
LOCATION L0002263 VOLUME 475792.931 3743424.864 475.71
LOCATION L0002264 VOLUME 475792.986 3743416.275 476.00
LOCATION L0002265 VOLUME 475793.042 3743407.685 476.16

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002266 | VOLUME | 475793.098 | 3743399.095 | 476.32 |
| LOCATION | L0002267 | VOLUME | 475793.154 | 3743390.505 | 476.48 |
| LOCATION | L0002268 | VOLUME | 475793.209 | 3743381.915 | 476.48 |
| LOCATION | L0002269 | VOLUME | 475793.265 | 3743373.326 | 476.32 |
| LOCATION | L0002270 | VOLUME | 475793.321 | 3743364.736 | 476.16 |
| LOCATION | L0002271 | VOLUME | 475796.876 | 3743357.027 | 476.01 |
| LOCATION | L0002272 | VOLUME | 475800.895 | 3743349.435 | 476.00 |
| LOCATION | L0002273 | VOLUME | 475808.125 | 3743346.076 | 476.00 |
| LOCATION | L0002274 | VOLUME | 475816.519 | 3743344.251 | 476.09 |
| LOCATION | L0002275 | VOLUME | 475824.933 | 3743342.643 | 476.23 |
| LOCATION | L0002276 | VOLUME | 475833.519 | 3743342.899 | 476.35 |
| LOCATION | L0002277 | VOLUME | 475842.105 | 3743343.156 | 476.40 |
| LOCATION | L0002278 | VOLUME | 475850.691 | 3743343.412 | 476.27 |
| LOCATION | L0002279 | VOLUME | 475859.277 | 3743343.668 | 476.15 |
| LOCATION | L0002280 | VOLUME | 475867.864 | 3743343.925 | 476.03 |
| LOCATION | L0002281 | VOLUME | 475876.450 | 3743344.181 | 475.56 |
| LOCATION | L0002282 | VOLUME | 475885.036 | 3743344.437 | 474.99 |
| LOCATION | L0002283 | VOLUME | 475893.621 | 3743344.736 | 474.41 |
| LOCATION | L0002284 | VOLUME | 475902.205 | 3743345.061 | 474.00 |
| LOCATION | L0002285 | VOLUME | 475910.788 | 3743345.386 | 474.00 |
| LOCATION | L0002286 | VOLUME | 475919.372 | 3743345.711 | 474.00 |
| LOCATION | L0002287 | VOLUME | 475927.956 | 3743346.037 | 474.00 |
| LOCATION | L0002288 | VOLUME | 475936.540 | 3743346.362 | 473.85 |
| LOCATION | L0002289 | VOLUME | 475945.124 | 3743346.687 | 473.65 |
| LOCATION | L0002290 | VOLUME | 475953.708 | 3743347.012 | 473.45 |
| LOCATION | L0002291 | VOLUME | 475962.291 | 3743347.337 | 473.29 |
| LOCATION | L0002292 | VOLUME | 475970.875 | 3743347.662 | 473.28 |
| LOCATION | L0002293 | VOLUME | 475979.459 | 3743347.987 | 473.27 |
| LOCATION | L0002294 | VOLUME | 475988.043 | 3743348.313 | 473.26 |
| LOCATION | L0002295 | VOLUME | 475996.627 | 3743348.638 | 473.25 |
| LOCATION | L0002296 | VOLUME | 476005.211 | 3743348.963 | 473.24 |
| LOCATION | L0002297 | VOLUME | 476013.795 | 3743349.288 | 473.23 |
| LOCATION | L0002298 | VOLUME | 476022.378 | 3743349.613 | 473.22 |
| LOCATION | L0002299 | VOLUME | 476030.962 | 3743349.938 | 473.21 |
| LOCATION | L0002300 | VOLUME | 476039.546 | 3743350.263 | 473.20 |
| LOCATION | L0002301 | VOLUME | 476048.130 | 3743350.589 | 473.19 |
| LOCATION | L0002302 | VOLUME | 476056.714 | 3743350.914 | 473.36 |
| LOCATION | L0002303 | VOLUME | 476065.298 | 3743351.239 | 473.60 |
| LOCATION | L0002304 | VOLUME | 476073.881 | 3743351.564 | 473.83 |
| LOCATION | L0002305 | VOLUME | 476082.465 | 3743351.889 | 474.09 |
| LOCATION | L0002306 | VOLUME | 476091.049 | 3743352.214 | 474.37 |
| LOCATION | L0002307 | VOLUME | 476099.633 | 3743352.539 | 474.66 |
| LOCATION | L0002308 | VOLUME | 476108.217 | 3743352.865 | 474.95 |
| LOCATION | L0002309 | VOLUME | 476116.801 | 3743353.190 | 475.23 |
| LOCATION | L0002310 | VOLUME | 476125.385 | 3743353.515 | 475.52 |
| LOCATION | L0002311 | VOLUME | 476133.968 | 3743353.840 | 475.80 |
| LOCATION | L0002312 | VOLUME | 476142.553 | 3743354.142 | 476.00 |
| LOCATION | L0002313 | VOLUME | 476151.142 | 3743354.230 | 476.00 |
| LOCATION | L0002314 | VOLUME | 476159.732 | 3743354.318 | 476.00 |
| LOCATION | L0002315 | VOLUME | 476168.321 | 3743354.406 | 476.00 |
| LOCATION | L0002316 | VOLUME | 476176.911 | 3743354.495 | 475.76 |
| LOCATION | L0002317 | VOLUME | 476185.500 | 3743354.583 | 475.48 |
| LOCATION | L0002318 | VOLUME | 476194.090 | 3743354.671 | 475.19 |
| LOCATION | L0002319 | VOLUME | 476202.680 | 3743354.759 | 474.91 |
| LOCATION | L0002320 | VOLUME | 476211.269 | 3743354.848 | 474.64 |
| LOCATION | L0002321 | VOLUME | 476219.859 | 3743354.936 | 474.36 |
| LOCATION | L0002322 | VOLUME | 476228.448 | 3743355.024 | 474.08 |
| LOCATION | L0002323 | VOLUME | 476237.038 | 3743355.112 | 474.03 |
| LOCATION | L0002324 | VOLUME | 476245.627 | 3743355.201 | 474.02 |
| LOCATION | L0002325 | VOLUME | 476254.217 | 3743355.289 | 474.01 |
| LOCATION | L0002326 | VOLUME | 476262.806 | 3743355.377 | 473.90 |
| LOCATION | L0002327 | VOLUME | 476271.396 | 3743355.465 | 473.62 |
| LOCATION | L0002328 | VOLUME | 476279.986 | 3743355.554 | 473.34 |
| LOCATION | L0002329 | VOLUME | 476288.575 | 3743355.642 | 473.06 |
| LOCATION | L0002330 | VOLUME | 476297.165 | 3743355.730 | 473.01 |
| LOCATION | L0002331 | VOLUME | 476305.754 | 3743355.818 | 473.01 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002332 | VOLUME | 476314.344 | 3743355.907 | 473.01 |
| LOCATION | L0002333 | VOLUME | 476322.933 | 3743355.995 | 473.01 |
| LOCATION | L0002334 | VOLUME | 476331.523 | 3743356.083 | 473.00 |
| LOCATION | L0002335 | VOLUME | 476340.112 | 3743356.171 | 473.00 |
| LOCATION | L0002336 | VOLUME | 476348.702 | 3743356.260 | 473.00 |
| LOCATION | L0002337 | VOLUME | 476357.291 | 3743356.348 | 472.75 |
| LOCATION | L0002338 | VOLUME | 476365.881 | 3743356.436 | 472.46 |
| LOCATION | L0002339 | VOLUME | 476374.471 | 3743356.524 | 472.18 |
| LOCATION | L0002340 | VOLUME | 476383.060 | 3743356.613 | 472.00 |
| LOCATION | L0002341 | VOLUME | 476391.650 | 3743356.701 | 471.99 |
| LOCATION | L0002342 | VOLUME | 476400.239 | 3743356.789 | 471.99 |
| LOCATION | L0002343 | VOLUME | 476408.829 | 3743356.877 | 471.98 |
| LOCATION | L0002344 | VOLUME | 476417.418 | 3743356.966 | 471.72 |
| LOCATION | L0002345 | VOLUME | 476426.001 | 3743357.250 | 471.43 |
| LOCATION | L0002346 | VOLUME | 476434.576 | 3743357.753 | 471.12 |
| LOCATION | L0002347 | VOLUME | 476443.152 | 3743358.255 | 470.83 |
| LOCATION | L0002348 | VOLUME | 476451.727 | 3743358.757 | 470.55 |
| LOCATION | L0002349 | VOLUME | 476460.302 | 3743359.260 | 470.29 |
| LOCATION | L0002350 | VOLUME | 476468.878 | 3743359.762 | 470.03 |
| LOCATION | L0002351 | VOLUME | 476477.453 | 3743360.264 | 470.00 |
| LOCATION | L0002352 | VOLUME | 476486.028 | 3743360.767 | 470.00 |
| LOCATION | L0002353 | VOLUME | 476494.603 | 3743361.269 | 470.00 |
| LOCATION | L0002354 | VOLUME | 476503.179 | 3743361.771 | 469.98 |
| LOCATION | L0002355 | VOLUME | 476511.754 | 3743362.274 | 469.92 |
| LOCATION | L0002356 | VOLUME | 476520.329 | 3743362.776 | 469.85 |
| LOCATION | L0002357 | VOLUME | 476528.905 | 3743363.278 | 469.77 |
| LOCATION | L0002358 | VOLUME | 476537.480 | 3743363.780 | 469.49 |
| LOCATION | L0002359 | VOLUME | 476546.055 | 3743364.283 | 469.19 |
| LOCATION | L0002360 | VOLUME | 476554.631 | 3743364.785 | 468.89 |
| LOCATION | L0002361 | VOLUME | 476563.206 | 3743365.287 | 468.58 |
| LOCATION | L0002362 | VOLUME | 476571.781 | 3743365.790 | 468.28 |
| LOCATION | L0002363 | VOLUME | 476580.356 | 3743366.292 | 467.98 |
| LOCATION | L0002364 | VOLUME | 476588.932 | 3743366.794 | 467.68 |
| LOCATION | L0002365 | VOLUME | 476597.507 | 3743367.297 | 467.47 |
| LOCATION | L0002366 | VOLUME | 476606.082 | 3743367.799 | 467.28 |
| LOCATION | L0002367 | VOLUME | 476614.658 | 3743368.301 | 467.10 |
| LOCATION | L0002368 | VOLUME | 476623.233 | 3743368.804 | 466.89 |
| LOCATION | L0002369 | VOLUME | 476631.808 | 3743369.306 | 466.60 |
| LOCATION | L0002370 | VOLUME | 476640.384 | 3743369.808 | 466.32 |
| LOCATION | L0002371 | VOLUME | 476648.959 | 3743370.311 | 466.03 |
| LOCATION | L0002372 | VOLUME | 476657.543 | 3743370.579 | 465.88 |
| LOCATION | L0002373 | VOLUME | 476666.132 | 3743370.760 | 465.74 |
| LOCATION | L0002374 | VOLUME | 476674.720 | 3743370.940 | 465.59 |
| LOCATION | L0002375 | VOLUME | 476683.308 | 3743371.121 | 465.44 |
| LOCATION | L0002376 | VOLUME | 476691.896 | 3743371.301 | 465.30 |
| LOCATION | L0002377 | VOLUME | 476700.484 | 3743371.482 | 465.15 |
| LOCATION | L0002378 | VOLUME | 476709.072 | 3743371.662 | 465.01 |
| LOCATION | L0002379 | VOLUME | 476717.660 | 3743371.843 | 464.74 |
| LOCATION | L0002380 | VOLUME | 476726.248 | 3743372.023 | 464.45 |
| LOCATION | L0002381 | VOLUME | 476734.836 | 3743372.204 | 464.17 |
| LOCATION | L0002382 | VOLUME | 476743.424 | 3743372.384 | 463.88 |
| LOCATION | L0002383 | VOLUME | 476752.013 | 3743372.565 | 463.59 |
| LOCATION | L0002384 | VOLUME | 476760.601 | 3743372.745 | 463.31 |
| LOCATION | L0002385 | VOLUME | 476769.189 | 3743372.926 | 463.02 |
| LOCATION | L0002386 | VOLUME | 476777.777 | 3743373.106 | 463.00 |
| LOCATION | L0002387 | VOLUME | 476786.365 | 3743373.287 | 463.00 |
| LOCATION | L0002388 | VOLUME | 476794.953 | 3743373.467 | 462.42 |
| LOCATION | L0002389 | VOLUME | 476803.541 | 3743373.648 | 462.37 |
| LOCATION | L0002390 | VOLUME | 476812.129 | 3743373.829 | 462.24 |
| LOCATION | L0002391 | VOLUME | 476820.717 | 3743374.009 | 462.12 |
| LOCATION | L0002392 | VOLUME | 476829.306 | 3743374.190 | 462.01 |
| LOCATION | L0002393 | VOLUME | 476837.894 | 3743374.370 | 462.00 |
| LOCATION | L0002394 | VOLUME | 476846.482 | 3743374.551 | 462.00 |
| LOCATION | L0002395 | VOLUME | 476855.070 | 3743374.731 | 462.00 |
| LOCATION | L0002396 | VOLUME | 476863.658 | 3743374.912 | 461.92 |
| LOCATION | L0002397 | VOLUME | 476872.246 | 3743375.092 | 461.74 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002398 | VOLUME | 476880.834 | 3743375.273 | 461.55 |
| LOCATION | L0002399 | VOLUME | 476889.422 | 3743375.453 | 461.37 |
| LOCATION | L0002400 | VOLUME | 476898.010 | 3743375.634 | 461.26 |
| LOCATION | L0002401 | VOLUME | 476906.598 | 3743375.814 | 461.15 |
| LOCATION | L0002402 | VOLUME | 476915.187 | 3743375.995 | 461.05 |
| LOCATION | L0002403 | VOLUME | 476923.775 | 3743376.175 | 461.00 |
| LOCATION | L0002404 | VOLUME | 476932.363 | 3743376.356 | 461.00 |
| LOCATION | L0002405 | VOLUME | 476940.951 | 3743376.537 | 461.00 |
| LOCATION | L0002406 | VOLUME | 476949.539 | 3743376.717 | 461.00 |
| LOCATION | L0002407 | VOLUME | 476958.127 | 3743376.898 | 460.81 |
| LOCATION | L0002408 | VOLUME | 476966.715 | 3743377.078 | 460.61 |

** End of LINE VOLUME Source ID = SLINE9

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE10

** DESCRSRC Harvill 25%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 0.00001013

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 11

** 476978.471, 3743377.970, 460.17, 3.49, 6.51

** 477080.666, 3743074.016, 460.06, 3.49, 6.51

** 477133.775, 3742927.716, 459.19, 3.49, 6.51

** 477196.404, 3742757.867, 458.96, 3.49, 6.51

** 477224.962, 3742678.704, 458.93, 3.49, 6.51

** 477244.502, 3742610.565, 458.06, 3.49, 6.51

** 477243.500, 3742575.493, 458.10, 3.49, 6.51

** 477391.304, 3742578.499, 455.96, 3.49, 6.51

** 477524.076, 3742575.493, 453.04, 3.49, 6.51

** 477609.752, 3742572.486, 451.99, 3.49, 6.51

** 477867.782, 3742565.973, 448.22, 3.49, 6.51

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| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002409 | VOLUME | 476980.701 | 3743371.335 | 460.48 |
| LOCATION | L0002410 | VOLUME | 476985.163 | 3743358.065 | 460.77 |
| LOCATION | L0002411 | VOLUME | 476989.625 | 3743344.794 | 460.67 |
| LOCATION | L0002412 | VOLUME | 476994.086 | 3743331.524 | 460.53 |
| LOCATION | L0002413 | VOLUME | 476998.548 | 3743318.254 | 460.38 |
| LOCATION | L0002414 | VOLUME | 477003.010 | 3743304.984 | 460.23 |
| LOCATION | L0002415 | VOLUME | 477007.471 | 3743291.714 | 460.08 |
| LOCATION | L0002416 | VOLUME | 477011.933 | 3743278.444 | 460.00 |
| LOCATION | L0002417 | VOLUME | 477016.395 | 3743265.174 | 460.03 |
| LOCATION | L0002418 | VOLUME | 477020.856 | 3743251.904 | 460.30 |
| LOCATION | L0002419 | VOLUME | 477025.318 | 3743238.634 | 460.44 |
| LOCATION | L0002420 | VOLUME | 477029.780 | 3743225.364 | 460.34 |
| LOCATION | L0002421 | VOLUME | 477034.241 | 3743212.094 | 460.19 |
| LOCATION | L0002422 | VOLUME | 477038.703 | 3743198.824 | 460.04 |
| LOCATION | L0002423 | VOLUME | 477043.165 | 3743185.554 | 460.00 |
| LOCATION | L0002424 | VOLUME | 477047.626 | 3743172.284 | 460.00 |
| LOCATION | L0002425 | VOLUME | 477052.088 | 3743159.014 | 460.00 |
| LOCATION | L0002426 | VOLUME | 477056.550 | 3743145.744 | 460.00 |
| LOCATION | L0002427 | VOLUME | 477061.011 | 3743132.474 | 460.00 |
| LOCATION | L0002428 | VOLUME | 477065.473 | 3743119.204 | 460.00 |
| LOCATION | L0002429 | VOLUME | 477069.934 | 3743105.934 | 460.00 |
| LOCATION | L0002430 | VOLUME | 477074.396 | 3743092.664 | 460.00 |
| LOCATION | L0002431 | VOLUME | 477078.858 | 3743079.394 | 460.00 |
| LOCATION | L0002432 | VOLUME | 477083.507 | 3743066.189 | 460.00 |
| LOCATION | L0002433 | VOLUME | 477088.284 | 3743053.030 | 460.00 |
| LOCATION | L0002434 | VOLUME | 477093.061 | 3743039.870 | 460.00 |
| LOCATION | L0002435 | VOLUME | 477097.839 | 3743026.710 | 460.00 |
| LOCATION | L0002436 | VOLUME | 477102.616 | 3743013.551 | 459.91 |
| LOCATION | L0002437 | VOLUME | 477107.393 | 3743000.391 | 459.75 |
| LOCATION | L0002438 | VOLUME | 477112.170 | 3742987.231 | 459.59 |
| LOCATION | L0002439 | VOLUME | 477116.947 | 3742974.071 | 459.43 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002440 | VOLUME | 477121.724 | 3742960.912 | 459.27 |
| LOCATION | L0002441 | VOLUME | 477126.502 | 3742947.752 | 459.11 |
| LOCATION | L0002442 | VOLUME | 477131.279 | 3742934.592 | 459.05 |
| LOCATION | L0002443 | VOLUME | 477136.088 | 3742921.444 | 459.39 |
| LOCATION | L0002444 | VOLUME | 477140.931 | 3742908.308 | 459.59 |
| LOCATION | L0002445 | VOLUME | 477145.774 | 3742895.173 | 459.47 |
| LOCATION | L0002446 | VOLUME | 477150.618 | 3742882.038 | 459.31 |
| LOCATION | L0002447 | VOLUME | 477155.461 | 3742868.902 | 459.15 |
| LOCATION | L0002448 | VOLUME | 477160.305 | 3742855.767 | 458.99 |
| LOCATION | L0002449 | VOLUME | 477165.148 | 3742842.631 | 458.84 |
| LOCATION | L0002450 | VOLUME | 477169.992 | 3742829.496 | 458.85 |
| LOCATION | L0002451 | VOLUME | 477174.835 | 3742816.360 | 459.00 |
| LOCATION | L0002452 | VOLUME | 477179.679 | 3742803.225 | 459.15 |
| LOCATION | L0002453 | VOLUME | 477184.522 | 3742790.089 | 459.15 |
| LOCATION | L0002454 | VOLUME | 477189.366 | 3742776.954 | 459.02 |
| LOCATION | L0002455 | VOLUME | 477194.209 | 3742763.818 | 458.86 |
| LOCATION | L0002456 | VOLUME | 477199.002 | 3742750.664 | 458.70 |
| LOCATION | L0002457 | VOLUME | 477203.753 | 3742737.495 | 458.54 |
| LOCATION | L0002458 | VOLUME | 477208.504 | 3742724.326 | 458.42 |
| LOCATION | L0002459 | VOLUME | 477213.255 | 3742711.157 | 458.61 |
| LOCATION | L0002460 | VOLUME | 477218.006 | 3742697.987 | 458.94 |
| LOCATION | L0002461 | VOLUME | 477222.757 | 3742684.818 | 458.90 |
| LOCATION | L0002462 | VOLUME | 477227.030 | 3742671.494 | 458.76 |
| LOCATION | L0002463 | VOLUME | 477230.889 | 3742658.037 | 458.63 |
| LOCATION | L0002464 | VOLUME | 477234.748 | 3742644.579 | 458.50 |
| LOCATION | L0002465 | VOLUME | 477238.607 | 3742631.122 | 458.38 |
| LOCATION | L0002466 | VOLUME | 477242.466 | 3742617.664 | 458.25 |
| LOCATION | L0002467 | VOLUME | 477244.313 | 3742603.953 | 458.19 |
| LOCATION | L0002468 | VOLUME | 477243.914 | 3742589.959 | 458.20 |
| LOCATION | L0002469 | VOLUME | 477243.514 | 3742575.964 | 458.22 |
| LOCATION | L0002470 | VOLUME | 477257.026 | 3742575.768 | 458.01 |
| LOCATION | L0002471 | VOLUME | 477271.023 | 3742576.052 | 458.00 |
| LOCATION | L0002472 | VOLUME | 477285.020 | 3742576.337 | 457.83 |
| LOCATION | L0002473 | VOLUME | 477299.017 | 3742576.622 | 457.36 |
| LOCATION | L0002474 | VOLUME | 477313.014 | 3742576.906 | 456.90 |
| LOCATION | L0002475 | VOLUME | 477327.011 | 3742577.191 | 456.43 |
| LOCATION | L0002476 | VOLUME | 477341.008 | 3742577.476 | 456.00 |
| LOCATION | L0002477 | VOLUME | 477355.005 | 3742577.760 | 456.00 |
| LOCATION | L0002478 | VOLUME | 477369.002 | 3742578.045 | 456.00 |
| LOCATION | L0002479 | VOLUME | 477383.000 | 3742578.330 | 455.97 |
| LOCATION | L0002480 | VOLUME | 477396.996 | 3742578.370 | 455.93 |
| LOCATION | L0002481 | VOLUME | 477410.993 | 3742578.053 | 455.59 |
| LOCATION | L0002482 | VOLUME | 477424.989 | 3742577.736 | 455.15 |
| LOCATION | L0002483 | VOLUME | 477438.986 | 3742577.419 | 454.70 |
| LOCATION | L0002484 | VOLUME | 477452.982 | 3742577.102 | 454.23 |
| LOCATION | L0002485 | VOLUME | 477466.978 | 3742576.785 | 454.00 |
| LOCATION | L0002486 | VOLUME | 477480.975 | 3742576.468 | 454.00 |
| LOCATION | L0002487 | VOLUME | 477494.971 | 3742576.152 | 453.83 |
| LOCATION | L0002488 | VOLUME | 477508.968 | 3742575.835 | 453.37 |
| LOCATION | L0002489 | VOLUME | 477522.964 | 3742575.518 | 453.02 |
| LOCATION | L0002490 | VOLUME | 477536.956 | 3742575.041 | 453.02 |
| LOCATION | L0002491 | VOLUME | 477550.947 | 3742574.550 | 452.97 |
| LOCATION | L0002492 | VOLUME | 477564.939 | 3742574.059 | 452.53 |
| LOCATION | L0002493 | VOLUME | 477578.930 | 3742573.568 | 452.12 |
| LOCATION | L0002494 | VOLUME | 477592.921 | 3742573.077 | 452.06 |
| LOCATION | L0002495 | VOLUME | 477606.913 | 3742572.586 | 452.01 |
| LOCATION | L0002496 | VOLUME | 477620.907 | 3742572.205 | 451.68 |
| LOCATION | L0002497 | VOLUME | 477634.903 | 3742571.851 | 451.29 |
| LOCATION | L0002498 | VOLUME | 477648.899 | 3742571.498 | 451.11 |
| LOCATION | L0002499 | VOLUME | 477662.894 | 3742571.145 | 451.04 |
| LOCATION | L0002500 | VOLUME | 477676.890 | 3742570.792 | 451.00 |
| LOCATION | L0002501 | VOLUME | 477690.885 | 3742570.438 | 451.00 |
| LOCATION | L0002502 | VOLUME | 477704.881 | 3742570.085 | 450.83 |
| LOCATION | L0002503 | VOLUME | 477718.876 | 3742569.732 | 450.37 |
| LOCATION | L0002504 | VOLUME | 477732.872 | 3742569.378 | 450.00 |
| LOCATION | L0002505 | VOLUME | 477746.867 | 3742569.025 | 450.00 |

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|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002506 | VOLUME | 477760.863 | 3742568.672 | 449.98 |
| LOCATION | L0002507 | VOLUME | 477774.858 | 3742568.319 | 449.63 |
| LOCATION | L0002508 | VOLUME | 477788.854 | 3742567.965 | 449.30 |
| LOCATION | L0002509 | VOLUME | 477802.850 | 3742567.612 | 449.16 |
| LOCATION | L0002510 | VOLUME | 477816.845 | 3742567.259 | 449.03 |
| LOCATION | L0002511 | VOLUME | 477830.841 | 3742566.905 | 448.75 |
| LOCATION | L0002512 | VOLUME | 477844.836 | 3742566.552 | 448.43 |
| LOCATION | L0002513 | VOLUME | 477858.832 | 3742566.199 | 448.23 |

** End of LINE VOLUME Source ID = SLINE10

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE11

** DESCRSRC Harvill 5%

** PREFIX

** Length of Side = 14.00

** Configuration = Adjacent

** Emission Rate = 4.053E-06

** Vertical Dimension = 6.99

** SZINIT = 3.25

** Nodes = 28

** 476342.510, 3744616.547, 463.00, 3.49, 6.51

** 476297.706, 3744651.329, 463.87, 3.49, 6.51

** 476264.693, 3744688.469, 464.00, 3.49, 6.51

** 476242.291, 3744730.325, 464.05, 3.49, 6.51

** 476222.837, 3744784.561, 463.93, 3.49, 6.51

** 476216.352, 3744836.440, 464.06, 3.49, 6.51

** 476216.352, 3744891.855, 464.05, 3.49, 6.51

** 476213.405, 3745045.721, 464.07, 3.49, 6.51

** 476217.531, 3745230.242, 463.00, 3.49, 6.51

** 476218.710, 3745357.579, 462.05, 3.49, 6.51

** 476216.942, 3745394.719, 462.04, 3.49, 6.51

** 476203.831, 3745451.392, 462.03, 3.49, 6.51

** 476172.009, 3745512.589, 462.98, 3.49, 6.51

** 476086.333, 3745631.719, 463.11, 3.49, 6.51

** 475917.430, 3745864.267, 465.05, 3.49, 6.51

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** 475826.042, 3746023.379, 466.05, 3.49, 6.51

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** 475821.146, 3746489.292, 465.69, 3.49, 6.51

** 475815.435, 3746590.471, 465.92, 3.49, 6.51

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** 475759.134, 3746693.282, 465.93, 3.49, 6.51

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** 475660.403, 3746806.700, 468.00, 3.49, 6.51

** 475638.372, 3746876.872, 467.93, 3.49, 6.51

** 475637.556, 3746941.333, 466.07, 3.49, 6.51

** 476039.008, 3746944.597, 460.05, 3.49, 6.51

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| LOCATION | L0002514 | VOLUME | 476336.981 | 3744620.840 | 463.00 |
| LOCATION | L0002515 | VOLUME | 476325.922 | 3744629.425 | 463.00 |
| LOCATION | L0002516 | VOLUME | 476314.863 | 3744638.010 | 463.17 |
| LOCATION | L0002517 | VOLUME | 476303.805 | 3744646.595 | 463.53 |
| LOCATION | L0002518 | VOLUME | 476293.534 | 3744656.023 | 463.88 |
| LOCATION | L0002519 | VOLUME | 476284.233 | 3744666.486 | 464.00 |
| LOCATION | L0002520 | VOLUME | 476274.932 | 3744676.950 | 463.99 |
| LOCATION | L0002521 | VOLUME | 476265.631 | 3744687.414 | 463.93 |
| LOCATION | L0002522 | VOLUME | 476258.753 | 3744699.568 | 464.00 |
| LOCATION | L0002523 | VOLUME | 476252.147 | 3744711.911 | 464.00 |
| LOCATION | L0002524 | VOLUME | 476245.540 | 3744724.254 | 464.00 |
| LOCATION | L0002525 | VOLUME | 476239.889 | 3744737.022 | 463.99 |
| LOCATION | L0002526 | VOLUME | 476235.162 | 3744750.200 | 463.92 |
| LOCATION | L0002527 | VOLUME | 476230.436 | 3744763.377 | 463.98 |
| LOCATION | L0002528 | VOLUME | 476225.709 | 3744776.555 | 464.00 |
| LOCATION | L0002529 | VOLUME | 476222.155 | 3744790.013 | 464.00 |
| LOCATION | L0002530 | VOLUME | 476220.419 | 3744803.905 | 464.00 |

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|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002531 | VOLUME | 476218.682 | 3744817.797 | 464.00 |
| LOCATION | L0002532 | VOLUME | 476216.946 | 3744831.689 | 464.00 |
| LOCATION | L0002533 | VOLUME | 476216.352 | 3744845.652 | 464.00 |
| LOCATION | L0002534 | VOLUME | 476216.352 | 3744859.652 | 464.00 |
| LOCATION | L0002535 | VOLUME | 476216.352 | 3744873.652 | 464.00 |
| LOCATION | L0002536 | VOLUME | 476216.352 | 3744887.652 | 464.00 |
| LOCATION | L0002537 | VOLUME | 476216.164 | 3744901.650 | 464.00 |
| LOCATION | L0002538 | VOLUME | 476215.896 | 3744915.648 | 464.00 |
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| LOCATION | L0002540 | VOLUME | 476215.360 | 3744943.643 | 464.00 |
| LOCATION | L0002541 | VOLUME | 476215.092 | 3744957.640 | 464.00 |
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| LOCATION | L0002543 | VOLUME | 476214.556 | 3744985.635 | 464.00 |
| LOCATION | L0002544 | VOLUME | 476214.287 | 3744999.632 | 464.00 |
| LOCATION | L0002545 | VOLUME | 476214.019 | 3745013.630 | 464.00 |
| LOCATION | L0002546 | VOLUME | 476213.751 | 3745027.627 | 464.00 |
| LOCATION | L0002547 | VOLUME | 476213.483 | 3745041.625 | 464.00 |
| LOCATION | L0002548 | VOLUME | 476213.626 | 3745055.621 | 464.00 |
| LOCATION | L0002549 | VOLUME | 476213.939 | 3745069.618 | 463.95 |
| LOCATION | L0002550 | VOLUME | 476214.252 | 3745083.614 | 463.72 |
| LOCATION | L0002551 | VOLUME | 476214.565 | 3745097.611 | 463.49 |
| LOCATION | L0002552 | VOLUME | 476214.878 | 3745111.607 | 463.24 |
| LOCATION | L0002553 | VOLUME | 476215.191 | 3745125.604 | 463.01 |
| LOCATION | L0002554 | VOLUME | 476215.504 | 3745139.600 | 463.00 |
| LOCATION | L0002555 | VOLUME | 476215.817 | 3745153.597 | 463.00 |
| LOCATION | L0002556 | VOLUME | 476216.130 | 3745167.593 | 463.00 |
| LOCATION | L0002557 | VOLUME | 476216.443 | 3745181.590 | 463.00 |
| LOCATION | L0002558 | VOLUME | 476216.756 | 3745195.586 | 463.00 |
| LOCATION | L0002559 | VOLUME | 476217.069 | 3745209.583 | 463.00 |
| LOCATION | L0002560 | VOLUME | 476217.382 | 3745223.579 | 463.00 |
| LOCATION | L0002561 | VOLUME | 476217.599 | 3745237.578 | 463.00 |
| LOCATION | L0002562 | VOLUME | 476217.729 | 3745251.577 | 462.89 |
| LOCATION | L0002563 | VOLUME | 476217.858 | 3745265.576 | 462.61 |
| LOCATION | L0002564 | VOLUME | 476217.988 | 3745279.576 | 462.39 |
| LOCATION | L0002565 | VOLUME | 476218.118 | 3745293.575 | 462.39 |
| LOCATION | L0002566 | VOLUME | 476218.247 | 3745307.575 | 462.37 |
| LOCATION | L0002567 | VOLUME | 476218.377 | 3745321.574 | 462.19 |
| LOCATION | L0002568 | VOLUME | 476218.506 | 3745335.573 | 462.01 |
| LOCATION | L0002569 | VOLUME | 476218.636 | 3745349.573 | 462.00 |
| LOCATION | L0002570 | VOLUME | 476218.425 | 3745363.566 | 462.00 |
| LOCATION | L0002571 | VOLUME | 476217.759 | 3745377.550 | 462.00 |
| LOCATION | L0002572 | VOLUME | 476217.093 | 3745391.534 | 462.00 |
| LOCATION | L0002573 | VOLUME | 476214.505 | 3745405.252 | 462.00 |
| LOCATION | L0002574 | VOLUME | 476211.350 | 3745418.892 | 462.00 |
| LOCATION | L0002575 | VOLUME | 476208.194 | 3745432.532 | 462.00 |
| LOCATION | L0002576 | VOLUME | 476205.039 | 3745446.171 | 462.00 |
| LOCATION | L0002577 | VOLUME | 476199.844 | 3745459.059 | 462.00 |
| LOCATION | L0002578 | VOLUME | 476193.386 | 3745471.480 | 462.21 |
| LOCATION | L0002579 | VOLUME | 476186.927 | 3745483.901 | 462.43 |
| LOCATION | L0002580 | VOLUME | 476180.468 | 3745496.322 | 462.65 |
| LOCATION | L0002581 | VOLUME | 476174.009 | 3745508.743 | 462.86 |
| LOCATION | L0002582 | VOLUME | 476166.366 | 3745520.436 | 462.88 |
| LOCATION | L0002583 | VOLUME | 476158.192 | 3745531.802 | 462.68 |
| LOCATION | L0002584 | VOLUME | 476150.017 | 3745543.168 | 462.69 |
| LOCATION | L0002585 | VOLUME | 476141.843 | 3745554.533 | 462.93 |
| LOCATION | L0002586 | VOLUME | 476133.669 | 3745565.899 | 463.00 |
| LOCATION | L0002587 | VOLUME | 476125.495 | 3745577.265 | 463.00 |
| LOCATION | L0002588 | VOLUME | 476117.321 | 3745588.631 | 463.00 |
| LOCATION | L0002589 | VOLUME | 476109.147 | 3745599.997 | 463.02 |
| LOCATION | L0002590 | VOLUME | 476100.973 | 3745611.363 | 463.24 |
| LOCATION | L0002591 | VOLUME | 476092.799 | 3745622.729 | 463.26 |
| LOCATION | L0002592 | VOLUME | 476084.613 | 3745634.087 | 463.06 |
| LOCATION | L0002593 | VOLUME | 476076.386 | 3745645.414 | 463.08 |
| LOCATION | L0002594 | VOLUME | 476068.159 | 3745656.742 | 463.12 |
| LOCATION | L0002595 | VOLUME | 476059.932 | 3745668.069 | 463.00 |
| LOCATION | L0002596 | VOLUME | 476051.704 | 3745679.397 | 463.00 |

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| LOCATION | L0002597 | VOLUME | 476043.477 | 3745690.724 | 463.00 |
| LOCATION | L0002598 | VOLUME | 476035.250 | 3745702.052 | 463.00 |
| LOCATION | L0002599 | VOLUME | 476027.022 | 3745713.379 | 463.00 |
| LOCATION | L0002600 | VOLUME | 476018.795 | 3745724.706 | 463.00 |
| LOCATION | L0002601 | VOLUME | 476010.568 | 3745736.034 | 463.10 |
| LOCATION | L0002602 | VOLUME | 476002.340 | 3745747.361 | 463.41 |
| LOCATION | L0002603 | VOLUME | 475994.113 | 3745758.689 | 463.86 |
| LOCATION | L0002604 | VOLUME | 475985.886 | 3745770.016 | 464.00 |
| LOCATION | L0002605 | VOLUME | 475977.658 | 3745781.344 | 464.00 |
| LOCATION | L0002606 | VOLUME | 475969.431 | 3745792.671 | 464.00 |
| LOCATION | L0002607 | VOLUME | 475961.204 | 3745803.999 | 464.00 |
| LOCATION | L0002608 | VOLUME | 475952.976 | 3745815.326 | 464.23 |
| LOCATION | L0002609 | VOLUME | 475944.749 | 3745826.654 | 464.50 |
| LOCATION | L0002610 | VOLUME | 475936.522 | 3745837.981 | 464.78 |
| LOCATION | L0002611 | VOLUME | 475928.295 | 3745849.309 | 465.00 |
| LOCATION | L0002612 | VOLUME | 475920.067 | 3745860.636 | 465.00 |
| LOCATION | L0002613 | VOLUME | 475912.278 | 3745872.263 | 465.00 |
| LOCATION | L0002614 | VOLUME | 475904.695 | 3745884.032 | 465.00 |
| LOCATION | L0002615 | VOLUME | 475897.113 | 3745895.801 | 465.09 |
| LOCATION | L0002616 | VOLUME | 475889.530 | 3745907.570 | 465.34 |
| LOCATION | L0002617 | VOLUME | 475881.948 | 3745919.338 | 465.60 |
| LOCATION | L0002618 | VOLUME | 475874.365 | 3745931.107 | 465.85 |
| LOCATION | L0002619 | VOLUME | 475866.782 | 3745942.876 | 466.08 |
| LOCATION | L0002620 | VOLUME | 475859.200 | 3745954.645 | 466.14 |
| LOCATION | L0002621 | VOLUME | 475851.617 | 3745966.414 | 466.00 |
| LOCATION | L0002622 | VOLUME | 475844.035 | 3745978.182 | 466.00 |
| LOCATION | L0002623 | VOLUME | 475837.493 | 3745990.459 | 466.00 |
| LOCATION | L0002624 | VOLUME | 475832.894 | 3746003.682 | 466.00 |
| LOCATION | L0002625 | VOLUME | 475828.294 | 3746016.904 | 466.00 |
| LOCATION | L0002626 | VOLUME | 475824.920 | 3746030.435 | 466.00 |
| LOCATION | L0002627 | VOLUME | 475822.720 | 3746044.261 | 466.00 |
| LOCATION | L0002628 | VOLUME | 475820.521 | 3746058.087 | 466.00 |
| LOCATION | L0002629 | VOLUME | 475819.386 | 3746072.038 | 466.00 |
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| LOCATION | L0002631 | VOLUME | 475817.317 | 3746099.961 | 466.00 |
| LOCATION | L0002632 | VOLUME | 475817.179 | 3746113.951 | 466.00 |
| LOCATION | L0002633 | VOLUME | 475817.327 | 3746127.950 | 466.00 |
| LOCATION | L0002634 | VOLUME | 475817.475 | 3746141.950 | 466.00 |
| LOCATION | L0002635 | VOLUME | 475817.623 | 3746155.949 | 466.24 |
| LOCATION | L0002636 | VOLUME | 475817.771 | 3746169.948 | 466.58 |
| LOCATION | L0002637 | VOLUME | 475817.919 | 3746183.947 | 466.80 |
| LOCATION | L0002638 | VOLUME | 475818.067 | 3746197.946 | 466.92 |
| LOCATION | L0002639 | VOLUME | 475818.215 | 3746211.946 | 467.00 |
| LOCATION | L0002640 | VOLUME | 475818.363 | 3746225.945 | 467.00 |
| LOCATION | L0002641 | VOLUME | 475818.511 | 3746239.944 | 467.00 |
| LOCATION | L0002642 | VOLUME | 475818.659 | 3746253.943 | 467.00 |
| LOCATION | L0002643 | VOLUME | 475818.807 | 3746267.943 | 466.98 |
| LOCATION | L0002644 | VOLUME | 475818.955 | 3746281.942 | 466.84 |
| LOCATION | L0002645 | VOLUME | 475819.103 | 3746295.941 | 466.69 |
| LOCATION | L0002646 | VOLUME | 475819.251 | 3746309.940 | 466.69 |
| LOCATION | L0002647 | VOLUME | 475819.399 | 3746323.939 | 466.68 |
| LOCATION | L0002648 | VOLUME | 475819.547 | 3746337.939 | 466.41 |
| LOCATION | L0002649 | VOLUME | 475819.695 | 3746351.938 | 466.10 |
| LOCATION | L0002650 | VOLUME | 475819.843 | 3746365.937 | 466.00 |
| LOCATION | L0002651 | VOLUME | 475819.991 | 3746379.936 | 466.00 |
| LOCATION | L0002652 | VOLUME | 475820.139 | 3746393.936 | 466.00 |
| LOCATION | L0002653 | VOLUME | 475820.286 | 3746407.935 | 466.00 |
| LOCATION | L0002654 | VOLUME | 475820.434 | 3746421.934 | 465.93 |
| LOCATION | L0002655 | VOLUME | 475820.582 | 3746435.933 | 465.76 |
| LOCATION | L0002656 | VOLUME | 475820.730 | 3746449.932 | 465.64 |
| LOCATION | L0002657 | VOLUME | 475820.878 | 3746463.932 | 465.63 |
| LOCATION | L0002658 | VOLUME | 475821.026 | 3746477.931 | 465.63 |
| LOCATION | L0002659 | VOLUME | 475820.998 | 3746491.926 | 465.63 |
| LOCATION | L0002660 | VOLUME | 475820.209 | 3746505.904 | 465.65 |
| LOCATION | L0002661 | VOLUME | 475819.420 | 3746519.881 | 465.68 |
| LOCATION | L0002662 | VOLUME | 475818.631 | 3746533.859 | 465.71 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002663 | VOLUME | 475817.842 | 3746547.837 | 465.73 |
| LOCATION | L0002664 | VOLUME | 475817.052 | 3746561.815 | 465.76 |
| LOCATION | L0002665 | VOLUME | 475816.263 | 3746575.792 | 465.79 |
| LOCATION | L0002666 | VOLUME | 475815.474 | 3746589.770 | 465.81 |
| LOCATION | L0002667 | VOLUME | 475811.042 | 3746603.023 | 465.96 |
| LOCATION | L0002668 | VOLUME | 475806.417 | 3746616.237 | 466.00 |
| LOCATION | L0002669 | VOLUME | 475801.792 | 3746629.451 | 465.92 |
| LOCATION | L0002670 | VOLUME | 475797.167 | 3746642.665 | 465.68 |
| LOCATION | L0002671 | VOLUME | 475792.496 | 3746655.851 | 465.58 |
| LOCATION | L0002672 | VOLUME | 475783.180 | 3746666.302 | 465.59 |
| LOCATION | L0002673 | VOLUME | 475773.865 | 3746676.754 | 465.51 |
| LOCATION | L0002674 | VOLUME | 475764.550 | 3746687.205 | 465.51 |
| LOCATION | L0002675 | VOLUME | 475754.908 | 3746697.341 | 465.83 |
| LOCATION | L0002676 | VOLUME | 475744.811 | 3746707.039 | 466.05 |
| LOCATION | L0002677 | VOLUME | 475734.714 | 3746716.737 | 466.01 |
| LOCATION | L0002678 | VOLUME | 475724.617 | 3746726.435 | 466.29 |
| LOCATION | L0002679 | VOLUME | 475714.521 | 3746736.134 | 466.72 |
| LOCATION | L0002680 | VOLUME | 475704.424 | 3746745.832 | 466.99 |
| LOCATION | L0002681 | VOLUME | 475694.939 | 3746756.047 | 467.00 |
| LOCATION | L0002682 | VOLUME | 475687.052 | 3746767.614 | 467.09 |
| LOCATION | L0002683 | VOLUME | 475679.165 | 3746779.182 | 467.35 |
| LOCATION | L0002684 | VOLUME | 475671.278 | 3746790.749 | 467.62 |
| LOCATION | L0002685 | VOLUME | 475663.392 | 3746802.316 | 467.88 |
| LOCATION | L0002686 | VOLUME | 475657.798 | 3746814.995 | 468.07 |
| LOCATION | L0002687 | VOLUME | 475653.605 | 3746828.352 | 468.21 |
| LOCATION | L0002688 | VOLUME | 475649.411 | 3746841.709 | 468.16 |
| LOCATION | L0002689 | VOLUME | 475645.218 | 3746855.066 | 467.86 |
| LOCATION | L0002690 | VOLUME | 475641.024 | 3746868.423 | 467.58 |
| LOCATION | L0002691 | VOLUME | 475638.307 | 3746882.016 | 467.34 |
| LOCATION | L0002692 | VOLUME | 475638.129 | 3746896.015 | 467.01 |
| LOCATION | L0002693 | VOLUME | 475637.952 | 3746910.014 | 466.54 |
| LOCATION | L0002694 | VOLUME | 475637.775 | 3746924.013 | 466.07 |
| LOCATION | L0002695 | VOLUME | 475637.598 | 3746938.012 | 466.00 |
| LOCATION | L0002696 | VOLUME | 475648.234 | 3746941.420 | 466.00 |
| LOCATION | L0002697 | VOLUME | 475662.233 | 3746941.534 | 466.00 |
| LOCATION | L0002698 | VOLUME | 475676.233 | 3746941.648 | 466.00 |
| LOCATION | L0002699 | VOLUME | 475690.232 | 3746941.761 | 465.98 |
| LOCATION | L0002700 | VOLUME | 475704.232 | 3746941.875 | 465.27 |
| LOCATION | L0002701 | VOLUME | 475718.232 | 3746941.989 | 464.56 |
| LOCATION | L0002702 | VOLUME | 475732.231 | 3746942.103 | 464.06 |
| LOCATION | L0002703 | VOLUME | 475746.231 | 3746942.217 | 463.59 |
| LOCATION | L0002704 | VOLUME | 475760.230 | 3746942.330 | 463.46 |
| LOCATION | L0002705 | VOLUME | 475774.230 | 3746942.444 | 463.46 |
| LOCATION | L0002706 | VOLUME | 475788.229 | 3746942.558 | 463.33 |
| LOCATION | L0002707 | VOLUME | 475802.229 | 3746942.672 | 463.11 |
| LOCATION | L0002708 | VOLUME | 475816.228 | 3746942.786 | 463.00 |
| LOCATION | L0002709 | VOLUME | 475830.228 | 3746942.900 | 463.00 |
| LOCATION | L0002710 | VOLUME | 475844.227 | 3746943.013 | 462.92 |
| LOCATION | L0002711 | VOLUME | 475858.227 | 3746943.127 | 462.65 |
| LOCATION | L0002712 | VOLUME | 475872.226 | 3746943.241 | 462.40 |
| LOCATION | L0002713 | VOLUME | 475886.226 | 3746943.355 | 462.19 |
| LOCATION | L0002714 | VOLUME | 475900.226 | 3746943.469 | 462.00 |
| LOCATION | L0002715 | VOLUME | 475914.225 | 3746943.582 | 462.00 |
| LOCATION | L0002716 | VOLUME | 475928.225 | 3746943.696 | 462.00 |
| LOCATION | L0002717 | VOLUME | 475942.224 | 3746943.810 | 461.59 |
| LOCATION | L0002718 | VOLUME | 475956.224 | 3746943.924 | 461.12 |
| LOCATION | L0002719 | VOLUME | 475970.223 | 3746944.038 | 461.00 |
| LOCATION | L0002720 | VOLUME | 475984.223 | 3746944.152 | 461.00 |
| LOCATION | L0002721 | VOLUME | 475998.222 | 3746944.265 | 460.72 |
| LOCATION | L0002722 | VOLUME | 476012.222 | 3746944.379 | 460.25 |
| LOCATION | L0002723 | VOLUME | 476026.221 | 3746944.493 | 460.00 |

** End of LINE VOLUME Source ID = SLINE11

** -----

** Line Source Represented by Adjacent Volume Sources

** LINE VOLUME Source ID = SLINE12

** DESCRSRC Onsite

```

** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00008781
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 24
** 475774.605, 3744055.015, 476.05, 3.49, 4.00
** 475748.882, 3744054.572, 476.94, 3.49, 4.00
** 475734.246, 3744062.555, 476.35, 3.49, 4.00
** 475710.741, 3744079.408, 476.21, 3.49, 4.00
** 475698.766, 3744085.617, 476.86, 3.49, 4.00
** 475668.165, 3744088.278, 477.78, 3.49, 4.00
** 475268.128, 3744086.947, 486.02, 3.49, 4.00
** 475237.083, 3744086.947, 486.92, 3.49, 4.00
** 475225.995, 3744084.286, 487.11, 3.49, 4.00
** 475220.673, 3744072.312, 487.10, 3.49, 4.00
** 475219.786, 3743833.266, 484.77, 3.49, 4.00
** 475228.213, 3743820.848, 484.38, 3.49, 4.00
** 475253.936, 3743815.969, 482.99, 3.49, 4.00
** 475286.311, 3743816.856, 482.43, 3.49, 4.00
** 475319.130, 3743829.274, 481.42, 3.49, 4.00
** 475338.644, 3743835.927, 481.10, 3.49, 4.00
** 475626.919, 3743834.153, 478.00, 3.49, 4.00
** 475646.877, 3743825.283, 478.00, 3.49, 4.00
** 475662.399, 3743819.961, 477.42, 3.49, 4.00
** 475674.817, 3743816.856, 477.07, 3.49, 4.00
** 475704.532, 3743815.969, 477.00, 3.49, 4.00
** 475720.941, 3743811.978, 476.94, 3.49, 4.00
** 475748.438, 3743808.430, 476.00, 3.49, 4.00
** 475775.935, 3743808.873, 475.03, 3.49, 4.00

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LOCATION L0002724      VOLUME  475770.310 3744054.941 476.03
LOCATION L0002725      VOLUME  475761.721 3744054.793 476.32
LOCATION L0002726      VOLUME  475753.133 3744054.645 476.61
LOCATION L0002727      VOLUME  475745.073 3744056.649 476.65
LOCATION L0002728      VOLUME  475737.532 3744060.763 476.51
LOCATION L0002729      VOLUME  475730.307 3744065.379 476.36
LOCATION L0002730      VOLUME  475723.326 3744070.385 476.19
LOCATION L0002731      VOLUME  475716.345 3744075.390 476.14
LOCATION L0002732      VOLUME  475709.237 3744080.188 476.35
LOCATION L0002733      VOLUME  475701.611 3744084.142 476.61
LOCATION L0002734      VOLUME  475693.401 3744086.084 476.88
LOCATION L0002735      VOLUME  475684.843 3744086.828 477.11
LOCATION L0002736      VOLUME  475676.285 3744087.572 477.28
LOCATION L0002737      VOLUME  475667.726 3744088.276 477.44
LOCATION L0002738      VOLUME  475659.136 3744088.248 477.61
LOCATION L0002739      VOLUME  475650.546 3744088.219 477.72
LOCATION L0002740      VOLUME  475641.956 3744088.191 477.84
LOCATION L0002741      VOLUME  475633.366 3744088.162 477.95
LOCATION L0002742      VOLUME  475624.776 3744088.134 478.17
LOCATION L0002743      VOLUME  475616.186 3744088.105 478.45
LOCATION L0002744      VOLUME  475607.596 3744088.076 478.74
LOCATION L0002745      VOLUME  475599.006 3744088.048 479.03
LOCATION L0002746      VOLUME  475590.416 3744088.019 479.31
LOCATION L0002747      VOLUME  475581.826 3744087.991 479.60
LOCATION L0002748      VOLUME  475573.236 3744087.962 479.89
LOCATION L0002749      VOLUME  475564.646 3744087.934 480.10
LOCATION L0002750      VOLUME  475556.056 3744087.905 480.28
LOCATION L0002751      VOLUME  475547.467 3744087.877 480.45
LOCATION L0002752      VOLUME  475538.877 3744087.848 480.62
LOCATION L0002753      VOLUME  475530.287 3744087.819 480.74
LOCATION L0002754      VOLUME  475521.697 3744087.791 480.85
LOCATION L0002755      VOLUME  475513.107 3744087.762 480.96
LOCATION L0002756      VOLUME  475504.517 3744087.734 481.18
LOCATION L0002757      VOLUME  475495.927 3744087.705 481.46

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| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002758 | VOLUME | 475487.337 | 3744087.677 | 481.75 |
| LOCATION | L0002759 | VOLUME | 475478.747 | 3744087.648 | 482.00 |
| LOCATION | L0002760 | VOLUME | 475470.157 | 3744087.619 | 482.00 |
| LOCATION | L0002761 | VOLUME | 475461.567 | 3744087.591 | 482.00 |
| LOCATION | L0002762 | VOLUME | 475452.977 | 3744087.562 | 482.00 |
| LOCATION | L0002763 | VOLUME | 475444.387 | 3744087.534 | 481.93 |
| LOCATION | L0002764 | VOLUME | 475435.797 | 3744087.505 | 481.82 |
| LOCATION | L0002765 | VOLUME | 475427.207 | 3744087.477 | 481.72 |
| LOCATION | L0002766 | VOLUME | 475418.617 | 3744087.448 | 481.62 |
| LOCATION | L0002767 | VOLUME | 475410.027 | 3744087.419 | 481.63 |
| LOCATION | L0002768 | VOLUME | 475401.437 | 3744087.391 | 481.63 |
| LOCATION | L0002769 | VOLUME | 475392.847 | 3744087.362 | 481.63 |
| LOCATION | L0002770 | VOLUME | 475384.257 | 3744087.334 | 481.70 |
| LOCATION | L0002771 | VOLUME | 475375.667 | 3744087.305 | 481.80 |
| LOCATION | L0002772 | VOLUME | 475367.078 | 3744087.277 | 481.91 |
| LOCATION | L0002773 | VOLUME | 475358.488 | 3744087.248 | 482.04 |
| LOCATION | L0002774 | VOLUME | 475349.898 | 3744087.219 | 482.33 |
| LOCATION | L0002775 | VOLUME | 475341.308 | 3744087.191 | 482.62 |
| LOCATION | L0002776 | VOLUME | 475332.718 | 3744087.162 | 482.90 |
| LOCATION | L0002777 | VOLUME | 475324.128 | 3744087.134 | 483.38 |
| LOCATION | L0002778 | VOLUME | 475315.538 | 3744087.105 | 483.95 |
| LOCATION | L0002779 | VOLUME | 475306.948 | 3744087.077 | 484.52 |
| LOCATION | L0002780 | VOLUME | 475298.358 | 3744087.048 | 485.07 |
| LOCATION | L0002781 | VOLUME | 475289.768 | 3744087.019 | 485.46 |
| LOCATION | L0002782 | VOLUME | 475281.178 | 3744086.991 | 485.84 |
| LOCATION | L0002783 | VOLUME | 475272.588 | 3744086.962 | 486.23 |
| LOCATION | L0002784 | VOLUME | 475263.998 | 3744086.947 | 486.48 |
| LOCATION | L0002785 | VOLUME | 475255.408 | 3744086.947 | 486.67 |
| LOCATION | L0002786 | VOLUME | 475246.818 | 3744086.947 | 486.85 |
| LOCATION | L0002787 | VOLUME | 475238.228 | 3744086.947 | 487.02 |
| LOCATION | L0002788 | VOLUME | 475229.844 | 3744085.210 | 487.10 |
| LOCATION | L0002789 | VOLUME | 475224.114 | 3744080.053 | 487.07 |
| LOCATION | L0002790 | VOLUME | 475220.673 | 3744072.194 | 487.00 |
| LOCATION | L0002791 | VOLUME | 475220.641 | 3744063.604 | 487.00 |
| LOCATION | L0002792 | VOLUME | 475220.609 | 3744055.014 | 487.00 |
| LOCATION | L0002793 | VOLUME | 475220.577 | 3744046.424 | 487.00 |
| LOCATION | L0002794 | VOLUME | 475220.545 | 3744037.834 | 487.18 |
| LOCATION | L0002795 | VOLUME | 475220.513 | 3744029.244 | 487.36 |
| LOCATION | L0002796 | VOLUME | 475220.482 | 3744020.654 | 487.55 |
| LOCATION | L0002797 | VOLUME | 475220.450 | 3744012.064 | 487.65 |
| LOCATION | L0002798 | VOLUME | 475220.418 | 3744003.474 | 487.65 |
| LOCATION | L0002799 | VOLUME | 475220.386 | 3743994.884 | 487.65 |
| LOCATION | L0002800 | VOLUME | 475220.354 | 3743986.294 | 487.65 |
| LOCATION | L0002801 | VOLUME | 475220.322 | 3743977.704 | 487.47 |
| LOCATION | L0002802 | VOLUME | 475220.290 | 3743969.114 | 487.28 |
| LOCATION | L0002803 | VOLUME | 475220.258 | 3743960.524 | 487.09 |
| LOCATION | L0002804 | VOLUME | 475220.227 | 3743951.934 | 486.90 |
| LOCATION | L0002805 | VOLUME | 475220.195 | 3743943.344 | 486.70 |
| LOCATION | L0002806 | VOLUME | 475220.163 | 3743934.755 | 486.51 |
| LOCATION | L0002807 | VOLUME | 475220.131 | 3743926.165 | 486.31 |
| LOCATION | L0002808 | VOLUME | 475220.099 | 3743917.575 | 486.13 |
| LOCATION | L0002809 | VOLUME | 475220.067 | 3743908.985 | 485.94 |
| LOCATION | L0002810 | VOLUME | 475220.035 | 3743900.395 | 485.75 |
| LOCATION | L0002811 | VOLUME | 475220.003 | 3743891.805 | 485.61 |
| LOCATION | L0002812 | VOLUME | 475219.972 | 3743883.215 | 485.51 |
| LOCATION | L0002813 | VOLUME | 475219.940 | 3743874.625 | 485.42 |
| LOCATION | L0002814 | VOLUME | 475219.908 | 3743866.035 | 485.32 |
| LOCATION | L0002815 | VOLUME | 475219.876 | 3743857.445 | 485.14 |
| LOCATION | L0002816 | VOLUME | 475219.844 | 3743848.855 | 484.95 |
| LOCATION | L0002817 | VOLUME | 475219.812 | 3743840.265 | 484.76 |
| LOCATION | L0002818 | VOLUME | 475220.679 | 3743831.950 | 484.50 |
| LOCATION | L0002819 | VOLUME | 475225.502 | 3743824.842 | 484.10 |
| LOCATION | L0002820 | VOLUME | 475231.910 | 3743820.146 | 483.73 |
| LOCATION | L0002821 | VOLUME | 475240.350 | 3743818.546 | 483.40 |
| LOCATION | L0002822 | VOLUME | 475248.789 | 3743816.945 | 483.25 |
| LOCATION | L0002823 | VOLUME | 475257.286 | 3743816.061 | 483.14 |

| | | | | | |
|----------|----------|--------|------------|-------------|--------|
| LOCATION | L0002824 | VOLUME | 475265.873 | 3743816.296 | 483.04 |
| LOCATION | L0002825 | VOLUME | 475274.460 | 3743816.531 | 482.85 |
| LOCATION | L0002826 | VOLUME | 475283.046 | 3743816.767 | 482.56 |
| LOCATION | L0002827 | VOLUME | 475291.291 | 3743818.740 | 482.28 |
| LOCATION | L0002828 | VOLUME | 475299.325 | 3743821.780 | 482.02 |
| LOCATION | L0002829 | VOLUME | 475307.359 | 3743824.820 | 481.84 |
| LOCATION | L0002830 | VOLUME | 475315.393 | 3743827.860 | 481.62 |
| LOCATION | L0002831 | VOLUME | 475323.479 | 3743830.756 | 481.35 |
| LOCATION | L0002832 | VOLUME | 475331.609 | 3743833.528 | 481.08 |
| LOCATION | L0002833 | VOLUME | 475339.802 | 3743835.919 | 481.01 |
| LOCATION | L0002834 | VOLUME | 475348.391 | 3743835.867 | 481.00 |
| LOCATION | L0002835 | VOLUME | 475356.981 | 3743835.814 | 481.00 |
| LOCATION | L0002836 | VOLUME | 475365.571 | 3743835.761 | 481.00 |
| LOCATION | L0002837 | VOLUME | 475374.161 | 3743835.708 | 480.99 |
| LOCATION | L0002838 | VOLUME | 475382.751 | 3743835.655 | 480.99 |
| LOCATION | L0002839 | VOLUME | 475391.341 | 3743835.602 | 480.93 |
| LOCATION | L0002840 | VOLUME | 475399.931 | 3743835.549 | 480.63 |
| LOCATION | L0002841 | VOLUME | 475408.520 | 3743835.497 | 480.34 |
| LOCATION | L0002842 | VOLUME | 475417.110 | 3743835.444 | 480.04 |
| LOCATION | L0002843 | VOLUME | 475425.700 | 3743835.391 | 479.36 |
| LOCATION | L0002844 | VOLUME | 475434.290 | 3743835.338 | 478.51 |
| LOCATION | L0002845 | VOLUME | 475442.880 | 3743835.285 | 477.66 |
| LOCATION | L0002846 | VOLUME | 475451.470 | 3743835.232 | 476.97 |
| LOCATION | L0002847 | VOLUME | 475460.059 | 3743835.179 | 476.95 |
| LOCATION | L0002848 | VOLUME | 475468.649 | 3743835.126 | 476.94 |
| LOCATION | L0002849 | VOLUME | 475477.239 | 3743835.074 | 476.93 |
| LOCATION | L0002850 | VOLUME | 475485.829 | 3743835.021 | 477.12 |
| LOCATION | L0002851 | VOLUME | 475494.419 | 3743834.968 | 477.41 |
| LOCATION | L0002852 | VOLUME | 475503.009 | 3743834.915 | 477.69 |
| LOCATION | L0002853 | VOLUME | 475511.598 | 3743834.862 | 477.97 |
| LOCATION | L0002854 | VOLUME | 475520.188 | 3743834.809 | 478.24 |
| LOCATION | L0002855 | VOLUME | 475528.778 | 3743834.756 | 478.51 |
| LOCATION | L0002856 | VOLUME | 475537.368 | 3743834.704 | 478.77 |
| LOCATION | L0002857 | VOLUME | 475545.958 | 3743834.651 | 478.85 |
| LOCATION | L0002858 | VOLUME | 475554.548 | 3743834.598 | 478.84 |
| LOCATION | L0002859 | VOLUME | 475563.137 | 3743834.545 | 478.84 |
| LOCATION | L0002860 | VOLUME | 475571.727 | 3743834.492 | 478.77 |
| LOCATION | L0002861 | VOLUME | 475580.317 | 3743834.439 | 478.52 |
| LOCATION | L0002862 | VOLUME | 475588.907 | 3743834.386 | 478.26 |
| LOCATION | L0002863 | VOLUME | 475597.497 | 3743834.334 | 478.01 |
| LOCATION | L0002864 | VOLUME | 475606.087 | 3743834.281 | 477.95 |
| LOCATION | L0002865 | VOLUME | 475614.676 | 3743834.228 | 477.97 |
| LOCATION | L0002866 | VOLUME | 475623.266 | 3743834.175 | 477.99 |
| LOCATION | L0002867 | VOLUME | 475631.431 | 3743832.147 | 477.99 |
| LOCATION | L0002868 | VOLUME | 475639.280 | 3743828.659 | 477.92 |
| LOCATION | L0002869 | VOLUME | 475647.139 | 3743825.193 | 477.79 |
| LOCATION | L0002870 | VOLUME | 475655.265 | 3743822.407 | 477.61 |
| LOCATION | L0002871 | VOLUME | 475663.416 | 3743819.706 | 477.40 |
| LOCATION | L0002872 | VOLUME | 475671.749 | 3743817.623 | 477.23 |
| LOCATION | L0002873 | VOLUME | 475680.242 | 3743816.694 | 477.11 |
| LOCATION | L0002874 | VOLUME | 475688.828 | 3743816.438 | 477.01 |
| LOCATION | L0002875 | VOLUME | 475697.415 | 3743816.181 | 476.92 |
| LOCATION | L0002876 | VOLUME | 475705.960 | 3743815.622 | 476.83 |
| LOCATION | L0002877 | VOLUME | 475714.306 | 3743813.591 | 476.80 |
| LOCATION | L0002878 | VOLUME | 475722.688 | 3743811.752 | 476.74 |
| LOCATION | L0002879 | VOLUME | 475731.208 | 3743810.653 | 476.53 |
| LOCATION | L0002880 | VOLUME | 475739.727 | 3743809.554 | 476.30 |
| LOCATION | L0002881 | VOLUME | 475748.247 | 3743808.454 | 476.05 |
| LOCATION | L0002882 | VOLUME | 475756.834 | 3743808.565 | 475.78 |
| LOCATION | L0002883 | VOLUME | 475765.423 | 3743808.703 | 475.52 |
| LOCATION | L0002884 | VOLUME | 475774.012 | 3743808.842 | 475.27 |

** End of LINE VOLUME Source ID = SLINE12

** Source Parameters **

** LINE VOLUME Source ID = SLINE1

| | | | | | |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0001484 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001485 | 0.0000006798 | 3.49 | 4.00 | 3.25 |

[illegible]

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** LINE VOLUME Source ID = SLINE2
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| | | | | | |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0001527 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001528 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001529 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001530 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001531 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001532 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001533 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001534 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001535 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001536 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001537 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001538 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001539 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001540 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001541 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001542 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001543 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001544 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001545 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001546 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001547 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001548 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001549 | 0.0000006798 | 3.49 | 4.00 | 3.25 |

| | | | | | |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0001550 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001551 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001552 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001553 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001554 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001555 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001556 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001557 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001558 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001559 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001560 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001561 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001562 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001563 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001564 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001565 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001566 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001567 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001568 | 0.0000006798 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0001569 | 0.0000006798 | 3.49 | 4.00 | 3.25 |

[illegible]

[illegible]

[illegible]

```
** LINE VOLUME Source ID = SLINE6
```

| | | | | | |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0002089 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002090 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002091 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002092 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002093 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002094 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002095 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002096 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002097 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002098 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002099 | 0.0000000142 | 3.49 | 4.00 | 3.25 |

[illegible]

| | | | | | |
|----------|----------|--------------|------|------|------|
| SRCPARAM | L0002166 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002167 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002168 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002169 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002170 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002171 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002172 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002173 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002174 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002175 | 0.0000000142 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002176 | 0.0000000142 | 3.49 | 4.00 | 3.25 |

```
** LINE VOLUME Source ID = SLINE7
```

[illegible]

** LINE VOLUME Source ID = SLINE9

| | | | | | |
|----------|----------|----------------|------|------|------|
| SRCPARAM | L0002219 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002220 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002221 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002222 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002223 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002224 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002225 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002226 | 0.000000005911 | 3.49 | 4.00 | 3.25 |
| SRCPARAM | L0002227 | 0.000000005911 | 3.49 | 4.00 | 3.25 |

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

```

SRCPARAM L0002882      0.0000005454      3.49      4.00      3.25
SRCPARAM L0002883      0.0000005454      3.49      4.00      3.25
SRCPARAM L0002884      0.0000005454      3.49      4.00      3.25
** -----
URBANSRC ALL
SRCGROUP ALL
SO FINISHED
**
*****
** AERMOD Receptor Pathway
*****
**
**
RE STARTING
  INCLUDED "15091 Ops HRA.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 PERIOD ALL "15091 OPS HRA.AD\PE00GALL.PLT" 31
  SUMMFILE "15091 Ops HRA.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      2537      MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used      0.50
ME W187      2537      MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

```

 *** SETUP Finishes Successfully ***

PAGE 1

*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 1109 Source(s),
for Total of 1 Urban Area(s):
- Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Assumes No FLAGPOLE Receptor Heights.
- * The User Specified a Pollutant Type of: DPM

**Model Calculates PERIOD Averages Only

**This Run Includes: 1109 Source(s); 1 Source Group(s); and 81 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 1109 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of PERIOD Averages by Receptor
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 442.00 ; Decay Coef. =
0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

| | | NUMBER | EMISSION RATE | | | BASE | RELEASE | INIT. | INIT. |
|-----------------|-------------|-------------|---------------|-----------|----------|----------|----------|-------|-------|
| | | URBAN | EMISSION RATE | | | | | | |
| SOURCE | PART. | (GRAMS/SEC) | X | Y | ELEV. | HEIGHT | SY | SZ | |
| SOURCE | SCALAR VARY | | | | | | | | |
| ID | CATS. | | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | | |
| (METERS) | | BY | | | | | | | |
| ----- | | | | | | | | | |
| ----- | | | | | | | | | |
| L0001484 YES | 0 | 0.67980E-06 | 475289.7 | 3744064.6 | 485.3 | 3.49 | 4.00 | 3.25 | |
| L0001485 YES | 0 | 0.67980E-06 | 475298.2 | 3744064.6 | 485.1 | 3.49 | 4.00 | 3.25 | |
| L0001486 YES | 0 | 0.67980E-06 | 475306.8 | 3744064.7 | 484.5 | 3.49 | 4.00 | 3.25 | |
| L0001487 YES | 0 | 0.67980E-06 | 475315.4 | 3744064.7 | 484.0 | 3.49 | 4.00 | 3.25 | |
| L0001488 YES | 0 | 0.67980E-06 | 475324.0 | 3744064.8 | 483.4 | 3.49 | 4.00 | 3.25 | |
| L0001489 YES | 0 | 0.67980E-06 | 475332.6 | 3744064.8 | 482.9 | 3.49 | 4.00 | 3.25 | |
| L0001490 YES | 0 | 0.67980E-06 | 475341.2 | 3744064.8 | 482.6 | 3.49 | 4.00 | 3.25 | |
| L0001491 YES | 0 | 0.67980E-06 | 475349.8 | 3744064.9 | 482.3 | 3.49 | 4.00 | 3.25 | |
| L0001492 YES | 0 | 0.67980E-06 | 475358.4 | 3744064.9 | 482.1 | 3.49 | 4.00 | 3.25 | |
| L0001493 YES | 0 | 0.67980E-06 | 475367.0 | 3744065.0 | 482.1 | 3.49 | 4.00 | 3.25 | |
| L0001494 YES | 0 | 0.67980E-06 | 475375.6 | 3744065.0 | 482.2 | 3.49 | 4.00 | 3.25 | |
| L0001495 YES | 0 | 0.67980E-06 | 475384.1 | 3744065.0 | 482.3 | 3.49 | 4.00 | 3.25 | |
| L0001496 YES | 0 | 0.67980E-06 | 475392.7 | 3744065.1 | 482.4 | 3.49 | 4.00 | 3.25 | |
| L0001497 YES | 0 | 0.67980E-06 | 475401.3 | 3744065.1 | 482.4 | 3.49 | 4.00 | 3.25 | |
| L0001498 YES | 0 | 0.67980E-06 | 475409.9 | 3744065.2 | 482.4 | 3.49 | 4.00 | 3.25 | |
| L0001499 YES | 0 | 0.67980E-06 | 475418.5 | 3744065.2 | 482.4 | 3.49 | 4.00 | 3.25 | |
| L0001500 YES | 0 | 0.67980E-06 | 475427.1 | 3744065.2 | 482.4 | 3.49 | 4.00 | 3.25 | |

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

| | | | | | | | | |
|-----------------|---|-------------|----------|-----------|-------|------|------|------|
| L0001524 YES | 0 | 0.67980E-06 | 475633.3 | 3744066.2 | 478.3 | 3.49 | 4.00 | 3.25 |
| L0001525 YES | 0 | 0.67980E-06 | 475641.8 | 3744066.2 | 478.2 | 3.49 | 4.00 | 3.25 |
| L0001526 YES | 0 | 0.67980E-06 | 475650.4 | 3744066.3 | 478.1 | 3.49 | 4.00 | 3.25 |
| L0001527 YES | 0 | 0.67980E-06 | 475289.7 | 3743857.3 | 482.3 | 3.49 | 4.00 | 3.25 |
| L0001528 YES | 0 | 0.67980E-06 | 475298.2 | 3743857.3 | 482.1 | 3.49 | 4.00 | 3.25 |
| L0001529 YES | 0 | 0.67980E-06 | 475306.8 | 3743857.2 | 481.8 | 3.49 | 4.00 | 3.25 |
| L0001530 YES | 0 | 0.67980E-06 | 475315.4 | 3743857.2 | 481.5 | 3.49 | 4.00 | 3.25 |
| L0001531 YES | 0 | 0.67980E-06 | 475324.0 | 3743857.2 | 481.2 | 3.49 | 4.00 | 3.25 |
| L0001532 YES | 0 | 0.67980E-06 | 475332.6 | 3743857.1 | 481.0 | 3.49 | 4.00 | 3.25 |
| L0001533 YES | 0 | 0.67980E-06 | 475341.2 | 3743857.1 | 481.0 | 3.49 | 4.00 | 3.25 |
| L0001534 YES | 0 | 0.67980E-06 | 475349.8 | 3743857.1 | 481.0 | 3.49 | 4.00 | 3.25 |
| L0001535 YES | 0 | 0.67980E-06 | 475358.4 | 3743857.1 | 481.0 | 3.49 | 4.00 | 3.25 |
| L0001536 YES | 0 | 0.67980E-06 | 475367.0 | 3743857.0 | 481.0 | 3.49 | 4.00 | 3.25 |
| L0001537 YES | 0 | 0.67980E-06 | 475375.6 | 3743857.0 | 481.0 | 3.49 | 4.00 | 3.25 |
| L0001538 YES | 0 | 0.67980E-06 | 475384.1 | 3743857.0 | 481.0 | 3.49 | 4.00 | 3.25 |
| L0001539 YES | 0 | 0.67980E-06 | 475392.7 | 3743856.9 | 480.9 | 3.49 | 4.00 | 3.25 |
| L0001540 YES | 0 | 0.67980E-06 | 475401.3 | 3743856.9 | 480.6 | 3.49 | 4.00 | 3.25 |
| L0001541 YES | 0 | 0.67980E-06 | 475409.9 | 3743856.9 | 480.3 | 3.49 | 4.00 | 3.25 |
| L0001542 YES | 0 | 0.67980E-06 | 475418.5 | 3743856.8 | 480.0 | 3.49 | 4.00 | 3.25 |
| L0001543 YES | 0 | 0.67980E-06 | 475427.1 | 3743856.8 | 479.8 | 3.49 | 4.00 | 3.25 |
| L0001544 YES | 0 | 0.67980E-06 | 475435.7 | 3743856.8 | 479.5 | 3.49 | 4.00 | 3.25 |
| L0001545 YES | 0 | 0.67980E-06 | 475444.3 | 3743856.8 | 479.2 | 3.49 | 4.00 | 3.25 |
| L0001546 YES | 0 | 0.67980E-06 | 475452.9 | 3743856.7 | 479.0 | 3.49 | 4.00 | 3.25 |
| L0001547 YES | 0 | 0.67980E-06 | 475461.5 | 3743856.7 | 478.8 | 3.49 | 4.00 | 3.25 |
| L0001548 YES | 0 | 0.67980E-06 | 475470.0 | 3743856.7 | 478.6 | 3.49 | 4.00 | 3.25 |
| L0001549 YES | 0 | 0.67980E-06 | 475478.6 | 3743856.6 | 478.4 | 3.49 | 4.00 | 3.25 |
| L0001550 YES | 0 | 0.67980E-06 | 475487.2 | 3743856.6 | 478.6 | 3.49 | 4.00 | 3.25 |
| L0001551 YES | 0 | 0.67980E-06 | 475495.8 | 3743856.6 | 478.9 | 3.49 | 4.00 | 3.25 |
| L0001552 YES | 0 | 0.67980E-06 | 475504.4 | 3743856.5 | 479.2 | 3.49 | 4.00 | 3.25 |
| L0001553 YES | 0 | 0.67980E-06 | 475513.0 | 3743856.5 | 479.4 | 3.49 | 4.00 | 3.25 |
| L0001554 YES | 0 | 0.67980E-06 | 475521.6 | 3743856.5 | 479.5 | 3.49 | 4.00 | 3.25 |
| L0001555 YES | 0 | 0.67980E-06 | 475530.2 | 3743856.5 | 479.6 | 3.49 | 4.00 | 3.25 |
| L0001556 YES | 0 | 0.67980E-06 | 475538.8 | 3743856.4 | 479.7 | 3.49 | 4.00 | 3.25 |

| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0001557 | 0 | 0.67980E-06 | 475547.4 | 3743856.4 | 479.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001558 | 0 | 0.67980E-06 | 475555.9 | 3743856.4 | 479.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001559 | 0 | 0.67980E-06 | 475564.5 | 3743856.3 | 479.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001560 | 0 | 0.67980E-06 | 475573.1 | 3743856.3 | 479.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001561 | 0 | 0.67980E-06 | 475581.7 | 3743856.3 | 478.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001562 | 0 | 0.67980E-06 | 475590.3 | 3743856.2 | 478.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001563 | 0 | 0.67980E-06 | 475598.9 | 3743856.2 | 478.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 16:27:00

PAGE 4
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

| *** VOLUME SOURCE DATA *** | | | | | | | | |
|------------------------------------|---|---|---------------|---------------|---------------------------|-------------------------------|-------------------------|-------------|
| SOURCE SOURCE ID (METERS) | NUMBER URBAN PART. SCALAR CATS. | EMISSION RATE EMISSION RATE (GRAMS/SEC) VARY BY | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| L0001564 | 0 | 0.67980E-06 | 475607.5 | 3743856.2 | 478.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001565 | 0 | 0.67980E-06 | 475616.1 | 3743856.2 | 478.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001566 | 0 | 0.67980E-06 | 475624.7 | 3743856.1 | 478.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001567 | 0 | 0.67980E-06 | 475633.3 | 3743856.1 | 478.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001568 | 0 | 0.67980E-06 | 475641.8 | 3743856.1 | 478.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001569 | 0 | 0.67980E-06 | 475650.4 | 3743856.0 | 478.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001862 | 0 | 0.17760E-06 | 475791.7 | 3743814.8 | 475.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001863 | 0 | 0.17760E-06 | 475791.7 | 3743823.4 | 475.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001864 | 0 | 0.17760E-06 | 475791.7 | 3743832.0 | 475.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001865 | 0 | 0.17760E-06 | 475791.7 | 3743840.6 | 475.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001866 | 0 | 0.17760E-06 | 475791.7 | 3743849.2 | 475.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001867 | 0 | 0.17760E-06 | 475791.7 | 3743857.8 | 475.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001868 | 0 | 0.17760E-06 | 475791.6 | 3743866.4 | 476.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001869 | 0 | 0.17760E-06 | 475791.6 | 3743875.0 | 476.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001870 | 0 | 0.17760E-06 | 475791.6 | 3743883.6 | 476.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001871 | 0 | 0.17760E-06 | 475791.6 | 3743892.1 | 476.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |

```

*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                ***
***                                16:27:00

```

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

- - - - -

| | | | | | | | | |
|-----------------|---|-------------|----------|-----------|-------|------|------|------|
| L0001896 YES | 0 | 0.17760E-06 | 475792.3 | 3744106.9 | 475.0 | 3.49 | 4.00 | 3.25 |
| L0001897 YES | 0 | 0.17760E-06 | 475792.6 | 3744115.5 | 474.9 | 3.49 | 4.00 | 3.25 |
| L0001898 YES | 0 | 0.17760E-06 | 475792.9 | 3744124.1 | 474.7 | 3.49 | 4.00 | 3.25 |
| L0001899 YES | 0 | 0.17760E-06 | 475793.1 | 3744132.6 | 474.6 | 3.49 | 4.00 | 3.25 |
| L0001900 YES | 0 | 0.17760E-06 | 475793.4 | 3744141.2 | 474.6 | 3.49 | 4.00 | 3.25 |
| L0001901 YES | 0 | 0.17760E-06 | 475793.7 | 3744149.8 | 474.5 | 3.49 | 4.00 | 3.25 |
| L0001902 YES | 0 | 0.35430E-07 | 475785.7 | 3744155.5 | 474.8 | 3.49 | 4.00 | 3.25 |
| L0001903 YES | 0 | 0.35430E-07 | 475777.1 | 3744155.4 | 475.0 | 3.49 | 4.00 | 3.25 |
| L0001904 YES | 0 | 0.35430E-07 | 475768.5 | 3744155.3 | 475.0 | 3.49 | 4.00 | 3.25 |
| L0001905 YES | 0 | 0.35430E-07 | 475759.9 | 3744155.2 | 475.0 | 3.49 | 4.00 | 3.25 |
| L0001906 YES | 0 | 0.35430E-07 | 475751.4 | 3744155.1 | 475.0 | 3.49 | 4.00 | 3.25 |
| L0001907 YES | 0 | 0.35430E-07 | 475742.8 | 3744155.0 | 475.2 | 3.49 | 4.00 | 3.25 |
| L0001908 YES | 0 | 0.35430E-07 | 475734.2 | 3744154.9 | 475.5 | 3.49 | 4.00 | 3.25 |
| L0001909 YES | 0 | 0.35430E-07 | 475725.6 | 3744154.9 | 475.8 | 3.49 | 4.00 | 3.25 |
| L0001910 YES | 0 | 0.35430E-07 | 475717.0 | 3744154.8 | 476.1 | 3.49 | 4.00 | 3.25 |
| L0001911 YES | 0 | 0.35430E-07 | 475708.4 | 3744154.7 | 476.2 | 3.49 | 4.00 | 3.25 |
| L0001912 YES | 0 | 0.35430E-07 | 475699.8 | 3744154.6 | 476.4 | 3.49 | 4.00 | 3.25 |
| L0001913 YES | 0 | 0.35430E-07 | 475691.2 | 3744154.5 | 476.6 | 3.49 | 4.00 | 3.25 |
| L0001914 YES | 0 | 0.35430E-07 | 475682.6 | 3744154.4 | 476.7 | 3.49 | 4.00 | 3.25 |
| L0001915 YES | 0 | 0.35430E-07 | 475674.0 | 3744154.3 | 476.8 | 3.49 | 4.00 | 3.25 |
| L0001916 YES | 0 | 0.35430E-07 | 475665.5 | 3744154.2 | 476.9 | 3.49 | 4.00 | 3.25 |
| L0001917 YES | 0 | 0.35430E-07 | 475656.9 | 3744154.2 | 477.1 | 3.49 | 4.00 | 3.25 |
| L0001918 YES | 0 | 0.35430E-07 | 475648.3 | 3744154.2 | 477.4 | 3.49 | 4.00 | 3.25 |
| L0001919 YES | 0 | 0.35430E-07 | 475639.7 | 3744154.1 | 477.7 | 3.49 | 4.00 | 3.25 |
| L0001920 YES | 0 | 0.35430E-07 | 475631.1 | 3744154.1 | 478.0 | 3.49 | 4.00 | 3.25 |
| L0001921 YES | 0 | 0.35430E-07 | 475622.5 | 3744154.1 | 478.2 | 3.49 | 4.00 | 3.25 |
| L0001922 YES | 0 | 0.35430E-07 | 475613.9 | 3744154.1 | 478.5 | 3.49 | 4.00 | 3.25 |
| L0001923 YES | 0 | 0.35430E-07 | 475605.3 | 3744154.0 | 478.8 | 3.49 | 4.00 | 3.25 |
| L0001924 YES | 0 | 0.35430E-07 | 475596.7 | 3744154.0 | 479.0 | 3.49 | 4.00 | 3.25 |
| L0001925 YES | 0 | 0.35430E-07 | 475588.1 | 3744154.0 | 479.0 | 3.49 | 4.00 | 3.25 |
| L0001926 YES | 0 | 0.35430E-07 | 475579.6 | 3744154.0 | 479.0 | 3.49 | 4.00 | 3.25 |
| L0001927 YES | 0 | 0.35430E-07 | 475571.0 | 3744154.0 | 479.0 | 3.49 | 4.00 | 3.25 |

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                  ***
***                                  16:27:00

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*** MODELOPTs:      RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

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

| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0001951 | 0 | 0.35430E-07 | 475364.8 | 3744153.6 | 481.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001952 | 0 | 0.35430E-07 | 475356.2 | 3744153.6 | 482.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001953 | 0 | 0.35430E-07 | 475347.6 | 3744153.6 | 482.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001954 | 0 | 0.35430E-07 | 475339.0 | 3744153.6 | 483.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001955 | 0 | 0.35430E-07 | 475330.5 | 3744153.6 | 484.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001956 | 0 | 0.35430E-07 | 475321.9 | 3744153.6 | 484.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001957 | 0 | 0.35430E-07 | 475313.3 | 3744153.5 | 484.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001958 | 0 | 0.35430E-07 | 475304.7 | 3744153.5 | 485.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001959 | 0 | 0.35430E-07 | 475296.1 | 3744153.5 | 485.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001960 | 0 | 0.35430E-07 | 475287.5 | 3744153.5 | 486.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001961 | 0 | 0.35430E-07 | 475278.9 | 3744153.5 | 486.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001962 | 0 | 0.35430E-07 | 475270.3 | 3744153.5 | 487.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001963 | 0 | 0.35430E-07 | 475261.7 | 3744153.5 | 487.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001964 | 0 | 0.35430E-07 | 475253.1 | 3744153.4 | 487.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001965 | 0 | 0.35430E-07 | 475244.5 | 3744153.4 | 488.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001966 | 0 | 0.35430E-07 | 475236.0 | 3744153.4 | 488.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001967 | 0 | 0.35430E-07 | 475227.4 | 3744153.4 | 489.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001968 | 0 | 0.35430E-07 | 475218.8 | 3744153.3 | 489.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001969 | 0 | 0.35430E-07 | 475210.2 | 3744153.2 | 490.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001970 | 0 | 0.35430E-07 | 475201.6 | 3744153.2 | 490.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001971 | 0 | 0.35430E-07 | 475193.0 | 3744153.1 | 490.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001972 | 0 | 0.35430E-07 | 475184.4 | 3744153.0 | 491.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001973 | 0 | 0.35430E-07 | 475175.8 | 3744152.9 | 491.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001974 | 0 | 0.35430E-07 | 475167.2 | 3744152.9 | 492.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001975 | 0 | 0.35430E-07 | 475158.7 | 3744152.8 | 492.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 16:27:00

PAGE 7
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

| (METERS) | | BY | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0001976 | 0 | 0.35430E-07 | 475150.1 | 3744152.7 | 493.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001977 | 0 | 0.35430E-07 | 475141.5 | 3744152.6 | 493.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001978 | 0 | 0.35430E-07 | 475132.9 | 3744152.7 | 493.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001979 | 0 | 0.35430E-07 | 475124.3 | 3744152.7 | 494.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001980 | 0 | 0.35430E-07 | 475115.7 | 3744152.7 | 494.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001981 | 0 | 0.35430E-07 | 475107.1 | 3744152.7 | 494.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001982 | 0 | 0.35430E-07 | 475098.5 | 3744152.8 | 494.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001983 | 0 | 0.35430E-07 | 475089.9 | 3744152.8 | 495.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001984 | 0 | 0.35430E-07 | 475081.3 | 3744152.8 | 495.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001985 | 0 | 0.35430E-07 | 475072.8 | 3744152.8 | 496.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001986 | 0 | 0.35430E-07 | 475064.2 | 3744152.9 | 497.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001987 | 0 | 0.35430E-07 | 475055.6 | 3744152.9 | 497.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001988 | 0 | 0.35430E-07 | 475047.0 | 3744152.9 | 497.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001989 | 0 | 0.35430E-07 | 475038.4 | 3744152.9 | 498.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001990 | 0 | 0.35430E-07 | 475029.8 | 3744152.9 | 498.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001991 | 0 | 0.35430E-07 | 475021.2 | 3744152.9 | 498.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001992 | 0 | 0.35430E-07 | 475012.6 | 3744152.8 | 498.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001993 | 0 | 0.35430E-07 | 475004.0 | 3744152.8 | 499.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001994 | 0 | 0.35430E-07 | 474995.4 | 3744152.8 | 499.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001995 | 0 | 0.35430E-07 | 474986.9 | 3744152.8 | 499.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001996 | 0 | 0.35430E-07 | 474978.3 | 3744152.8 | 500.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001997 | 0 | 0.35430E-07 | 474969.7 | 3744152.8 | 500.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001998 | 0 | 0.35430E-07 | 474961.1 | 3744152.8 | 500.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0001999 | 0 | 0.35430E-07 | 474952.5 | 3744152.8 | 501.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002000 | 0 | 0.35430E-07 | 474943.9 | 3744152.8 | 501.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002001 | 0 | 0.35430E-07 | 474935.3 | 3744152.7 | 501.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002002 | 0 | 0.35430E-07 | 474926.7 | 3744152.7 | 502.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002003 | 0 | 0.35430E-07 | 474918.1 | 3744152.7 | 503.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002004 | 0 | 0.35430E-07 | 474909.5 | 3744152.7 | 504.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002005 | 0 | 0.35430E-07 | 474901.0 | 3744152.7 | 504.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002006 | 0 | 0.35430E-07 | 474892.4 | 3744152.7 | 505.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |

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*** AERMOT - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                  ***
***                                  16:27:00

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*** MODELOPTs:      RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

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

| | | | | | | | | |
|-----------------|---|-------------|----------|-----------|-------|------|------|------|
| L0002016 YES | 0 | 0.35430E-07 | 474806.5 | 3744152.6 | 510.4 | 3.49 | 4.00 | 3.25 |
| L0002017 YES | 0 | 0.35430E-07 | 474797.9 | 3744152.6 | 510.5 | 3.49 | 4.00 | 3.25 |
| L0002018 YES | 0 | 0.35430E-07 | 474789.3 | 3744152.6 | 510.6 | 3.49 | 4.00 | 3.25 |
| L0002019 YES | 0 | 0.35430E-07 | 474780.7 | 3744152.6 | 510.5 | 3.49 | 4.00 | 3.25 |
| L0002020 YES | 0 | 0.35430E-07 | 474772.1 | 3744152.5 | 510.3 | 3.49 | 4.00 | 3.25 |
| L0002021 YES | 0 | 0.35430E-07 | 474763.5 | 3744152.5 | 510.2 | 3.49 | 4.00 | 3.25 |
| L0002022 YES | 0 | 0.35430E-07 | 474754.9 | 3744152.5 | 510.3 | 3.49 | 4.00 | 3.25 |
| L0002023 YES | 0 | 0.35430E-07 | 474746.3 | 3744152.5 | 510.7 | 3.49 | 4.00 | 3.25 |
| L0002024 YES | 0 | 0.35430E-07 | 474737.7 | 3744152.5 | 511.2 | 3.49 | 4.00 | 3.25 |
| L0002025 YES | 0 | 0.35430E-07 | 474729.2 | 3744152.5 | 511.6 | 3.49 | 4.00 | 3.25 |
| L0002026 YES | 0 | 0.35430E-07 | 474720.6 | 3744152.5 | 511.9 | 3.49 | 4.00 | 3.25 |
| L0002027 YES | 0 | 0.35430E-07 | 474712.0 | 3744152.5 | 512.1 | 3.49 | 4.00 | 3.25 |
| L0002028 YES | 0 | 0.35430E-07 | 474703.4 | 3744152.5 | 512.4 | 3.49 | 4.00 | 3.25 |
| L0002029 YES | 0 | 0.35430E-07 | 474694.8 | 3744152.4 | 512.7 | 3.49 | 4.00 | 3.25 |

| | | | | | | | | |
|--------|--------|-------------|------|---|-------|---------|-------|-------|
| | NUMBER | EMISSION | RATE | | BASE | RELEASE | INIT. | INIT. |
| | URBAN | EMISSION | RATE | | | | | |
| SOURCE | PART. | (GRAMS/SEC) | X | Y | ELEV. | HEIGHT | SY | SZ |

| SOURCE ID (METERS) | SCALAR CATS. | VARY BY | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
|-----------------------|-----------------|-------------|----------|-----------|----------|----------|----------|----------|
| ----- | | | | | | | | |
| ----- | | | | | | | | |
| L0002056 YES | 0 | 0.35430E-07 | 474462.9 | 3744152.2 | 520.0 | 3.49 | 4.00 | 3.25 |
| L0002057 YES | 0 | 0.35430E-07 | 474454.3 | 3744152.2 | 520.1 | 3.49 | 4.00 | 3.25 |
| L0002058 YES | 0 | 0.35430E-07 | 474445.7 | 3744152.1 | 520.3 | 3.49 | 4.00 | 3.25 |
| L0002059 YES | 0 | 0.35430E-07 | 474437.1 | 3744152.1 | 520.4 | 3.49 | 4.00 | 3.25 |
| L0002060 YES | 0 | 0.35430E-07 | 474428.5 | 3744152.1 | 520.5 | 3.49 | 4.00 | 3.25 |
| L0002061 YES | 0 | 0.35430E-07 | 474419.9 | 3744152.1 | 520.4 | 3.49 | 4.00 | 3.25 |
| L0002062 YES | 0 | 0.35430E-07 | 474411.3 | 3744152.1 | 520.2 | 3.49 | 4.00 | 3.25 |
| L0002063 YES | 0 | 0.35430E-07 | 474402.7 | 3744152.1 | 520.1 | 3.49 | 4.00 | 3.25 |
| L0002064 YES | 0 | 0.35430E-07 | 474394.1 | 3744152.1 | 519.9 | 3.49 | 4.00 | 3.25 |
| L0002065 YES | 0 | 0.35430E-07 | 474385.6 | 3744152.1 | 519.6 | 3.49 | 4.00 | 3.25 |
| L0002066 YES | 0 | 0.35430E-07 | 474377.0 | 3744152.1 | 519.3 | 3.49 | 4.00 | 3.25 |
| L0002067 YES | 0 | 0.35430E-07 | 474368.4 | 3744152.0 | 519.1 | 3.49 | 4.00 | 3.25 |
| L0002068 YES | 0 | 0.35430E-07 | 474359.8 | 3744152.0 | 519.1 | 3.49 | 4.00 | 3.25 |
| L0002069 YES | 0 | 0.35430E-07 | 474351.2 | 3744152.0 | 519.0 | 3.49 | 4.00 | 3.25 |
| L0002070 YES | 0 | 0.35430E-07 | 474342.6 | 3744152.0 | 519.0 | 3.49 | 4.00 | 3.25 |
| L0002071 YES | 0 | 0.35430E-07 | 474334.0 | 3744152.0 | 519.1 | 3.49 | 4.00 | 3.25 |
| L0002072 YES | 0 | 0.35430E-07 | 474325.4 | 3744152.0 | 519.3 | 3.49 | 4.00 | 3.25 |
| L0002073 YES | 0 | 0.35430E-07 | 474316.8 | 3744152.0 | 519.4 | 3.49 | 4.00 | 3.25 |
| L0002074 YES | 0 | 0.35430E-07 | 474308.2 | 3744152.0 | 519.5 | 3.49 | 4.00 | 3.25 |
| L0002075 YES | 0 | 0.35430E-07 | 474299.7 | 3744152.0 | 519.2 | 3.49 | 4.00 | 3.25 |
| L0002076 YES | 0 | 0.35430E-07 | 474291.1 | 3744152.0 | 518.9 | 3.49 | 4.00 | 3.25 |
| L0002077 YES | 0 | 0.35430E-07 | 474282.5 | 3744151.9 | 518.6 | 3.49 | 4.00 | 3.25 |
| L0002078 YES | 0 | 0.35430E-07 | 474273.9 | 3744151.9 | 518.5 | 3.49 | 4.00 | 3.25 |
| L0002079 YES | 0 | 0.35430E-07 | 474265.3 | 3744151.9 | 518.5 | 3.49 | 4.00 | 3.25 |
| L0002080 YES | 0 | 0.35430E-07 | 474256.7 | 3744151.9 | 518.5 | 3.49 | 4.00 | 3.25 |
| L0002081 YES | 0 | 0.35430E-07 | 474248.1 | 3744151.9 | 518.5 | 3.49 | 4.00 | 3.25 |
| L0002082 YES | 0 | 0.35430E-07 | 474239.5 | 3744151.9 | 518.2 | 3.49 | 4.00 | 3.25 |
| L0002083 YES | 0 | 0.35430E-07 | 474230.9 | 3744151.9 | 517.9 | 3.49 | 4.00 | 3.25 |
| L0002084 YES | 0 | 0.35430E-07 | 474222.3 | 3744151.9 | 517.6 | 3.49 | 4.00 | 3.25 |
| L0002085 YES | 0 | 0.35430E-07 | 474213.8 | 3744151.9 | 517.4 | 3.49 | 4.00 | 3.25 |

| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0002109 | 0 | 0.14200E-06 | 475970.0 | 3744187.5 | 471.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002110 | 0 | 0.14200E-06 | 475977.8 | 3744191.0 | 471.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002111 | 0 | 0.14200E-06 | 475985.7 | 3744194.6 | 471.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002112 | 0 | 0.14200E-06 | 475993.5 | 3744198.1 | 471.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002113 | 0 | 0.14200E-06 | 476001.3 | 3744201.7 | 471.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002114 | 0 | 0.14200E-06 | 476009.1 | 3744205.3 | 471.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002115 | 0 | 0.14200E-06 | 476016.7 | 3744209.3 | 471.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002116 | 0 | 0.14200E-06 | 476024.1 | 3744213.6 | 470.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002117 | 0 | 0.14200E-06 | 476031.5 | 3744218.0 | 470.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002118 | 0 | 0.14200E-06 | 476038.9 | 3744222.4 | 470.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002119 | 0 | 0.14200E-06 | 476046.2 | 3744226.8 | 470.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002120 | 0 | 0.14200E-06 | 476053.6 | 3744231.2 | 470.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002121 | 0 | 0.14200E-06 | 476060.7 | 3744236.0 | 470.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002122 | 0 | 0.14200E-06 | 476067.7 | 3744241.0 | 470.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002123 | 0 | 0.14200E-06 | 476074.7 | 3744246.0 | 470.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002124 | 0 | 0.14200E-06 | 476081.7 | 3744251.0 | 469.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002125 | 0 | 0.14200E-06 | 476088.7 | 3744256.0 | 469.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002126 | 0 | 0.14200E-06 | 476095.4 | 3744261.3 | 469.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002127 | 0 | 0.14200E-06 | 476101.7 | 3744267.2 | 469.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002128 | 0 | 0.14200E-06 | 476107.9 | 3744273.1 | 469.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002129 | 0 | 0.14200E-06 | 476114.2 | 3744278.9 | 469.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002130 | 0 | 0.14200E-06 | 476120.5 | 3744284.8 | 469.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002131 | 0 | 0.14200E-06 | 476126.6 | 3744290.9 | 468.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002132 | 0 | 0.14200E-06 | 476132.1 | 3744297.4 | 468.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002133 | 0 | 0.14200E-06 | 476137.6 | 3744304.0 | 468.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002134 | 0 | 0.14200E-06 | 476143.2 | 3744310.6 | 468.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002135 | 0 | 0.14200E-06 | 476148.7 | 3744317.1 | 468.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |

```

*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                   08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 16:27:00

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PAGE 11

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***


| NUMBER | EMISSION RATE | BASE | RELEASE | INIT. | INIT. |
|--------|---------------|------|---------|-------|-------|
|--------|---------------|------|---------|-------|-------|

| SOURCE | URBAN | EMISSION RATE | | | | | | |
|----------|-------------|---------------|----------|-----------|----------|----------|----------|------|
| SOURCE | PART. | (GRAMS/SEC) | X | Y | ELEV. | HEIGHT | SY | SZ |
| ID | SCALAR VARY | | | | | | | |
| (METERS) | CATS. | | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | |
| | | BY | | | | | | |
| L0002136 | 0 | 0.14200E-06 | 476154.0 | 3744323.9 | 467.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002137 | 0 | 0.14200E-06 | 476159.4 | 3744330.6 | 467.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002138 | 0 | 0.14200E-06 | 476164.7 | 3744337.4 | 467.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002139 | 0 | 0.14200E-06 | 476170.0 | 3744344.1 | 467.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002140 | 0 | 0.14200E-06 | 476175.3 | 3744350.8 | 467.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002141 | 0 | 0.14200E-06 | 476180.6 | 3744357.6 | 467.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002142 | 0 | 0.14200E-06 | 476186.0 | 3744364.3 | 467.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002143 | 0 | 0.14200E-06 | 476191.5 | 3744370.9 | 467.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002144 | 0 | 0.14200E-06 | 476197.0 | 3744377.5 | 467.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002145 | 0 | 0.14200E-06 | 476202.5 | 3744384.1 | 466.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002146 | 0 | 0.14200E-06 | 476207.5 | 3744391.0 | 466.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002147 | 0 | 0.14200E-06 | 476212.4 | 3744398.1 | 466.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002148 | 0 | 0.14200E-06 | 476217.3 | 3744405.2 | 466.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002149 | 0 | 0.14200E-06 | 476222.2 | 3744412.2 | 466.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002150 | 0 | 0.14200E-06 | 476227.1 | 3744419.3 | 466.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002151 | 0 | 0.14200E-06 | 476232.0 | 3744426.3 | 465.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002152 | 0 | 0.14200E-06 | 476236.9 | 3744433.4 | 465.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002153 | 0 | 0.14200E-06 | 476241.8 | 3744440.4 | 465.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002154 | 0 | 0.14200E-06 | 476246.7 | 3744447.5 | 465.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002155 | 0 | 0.14200E-06 | 476251.6 | 3744454.5 | 465.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002156 | 0 | 0.14200E-06 | 476256.5 | 3744461.6 | 465.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002157 | 0 | 0.14200E-06 | 476261.5 | 3744468.6 | 465.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002158 | 0 | 0.14200E-06 | 476266.4 | 3744475.7 | 464.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002159 | 0 | 0.14200E-06 | 476271.3 | 3744482.8 | 464.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002160 | 0 | 0.14200E-06 | 476276.2 | 3744489.8 | 464.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002161 | 0 | 0.14200E-06 | 476281.1 | 3744496.9 | 464.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002162 | 0 | 0.14200E-06 | 476286.0 | 3744503.9 | 464.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002163 | 0 | 0.14200E-06 | 476290.9 | 3744511.0 | 464.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002164 | 0 | 0.14200E-06 | 476295.8 | 3744518.0 | 463.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |

*** VOLUME SOURCE DATA ***

| SOURCE SOURCE ID (METERS) | NUMBER | EMISSION RATE | | | BASE | RELEASE | INIT. | INIT. |
|------------------------------------|----------------------|---------------|----------|-----------|----------|----------|----------|-------|
| | URBAN | | | | | | | |
| | PART. | (GRAMS/SEC) | X | Y | ELEV. | HEIGHT | SY | SZ |
| | SCALAR VARY CATS. | | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | |
| | | BY | | | | | | |
| ----- | | | | | | | | |
| L0002216 YES | 0 | 0.21080E-06 | 476826.3 | 3744881.4 | 456.0 | 3.49 | 6.51 | 3.25 |
| L0002217 YES | 0 | 0.21080E-06 | 476839.4 | 3744886.4 | 456.0 | 3.49 | 6.51 | 3.25 |
| L0002218 YES | 0 | 0.21080E-06 | 476852.5 | 3744891.3 | 456.0 | 3.49 | 6.51 | 3.25 |
| L0002219 YES | 0 | 0.59110E-07 | 475790.5 | 3743802.8 | 475.0 | 3.49 | 4.00 | 3.25 |
| L0002220 YES | 0 | 0.59110E-07 | 475790.5 | 3743794.2 | 475.0 | 3.49 | 4.00 | 3.25 |
| L0002221 YES | 0 | 0.59110E-07 | 475790.6 | 3743785.6 | 475.0 | 3.49 | 4.00 | 3.25 |
| L0002222 YES | 0 | 0.59110E-07 | 475790.6 | 3743777.0 | 475.0 | 3.49 | 4.00 | 3.25 |
| L0002223 YES | 0 | 0.59110E-07 | 475790.7 | 3743768.5 | 474.9 | 3.49 | 4.00 | 3.25 |
| L0002224 YES | 0 | 0.59110E-07 | 475790.8 | 3743759.9 | 474.8 | 3.49 | 4.00 | 3.25 |
| L0002225 YES | 0 | 0.59110E-07 | 475790.8 | 3743751.3 | 474.7 | 3.49 | 4.00 | 3.25 |
| L0002226 YES | 0 | 0.59110E-07 | 475790.9 | 3743742.7 | 474.6 | 3.49 | 4.00 | 3.25 |
| L0002227 YES | 0 | 0.59110E-07 | 475790.9 | 3743734.1 | 474.6 | 3.49 | 4.00 | 3.25 |
| L0002228 YES | 0 | 0.59110E-07 | 475791.0 | 3743725.5 | 474.6 | 3.49 | 4.00 | 3.25 |
| L0002229 YES | 0 | 0.59110E-07 | 475791.0 | 3743716.9 | 474.6 | 3.49 | 4.00 | 3.25 |
| L0002230 YES | 0 | 0.59110E-07 | 475791.1 | 3743708.3 | 474.4 | 3.49 | 4.00 | 3.25 |
| L0002231 YES | 0 | 0.59110E-07 | 475791.1 | 3743699.7 | 474.1 | 3.49 | 4.00 | 3.25 |
| L0002232 YES | 0 | 0.59110E-07 | 475791.2 | 3743691.1 | 473.8 | 3.49 | 4.00 | 3.25 |
| L0002233 YES | 0 | 0.59110E-07 | 475791.3 | 3743682.6 | 473.4 | 3.49 | 4.00 | 3.25 |
| L0002234 YES | 0 | 0.59110E-07 | 475791.3 | 3743674.0 | 473.0 | 3.49 | 4.00 | 3.25 |
| L0002235 YES | 0 | 0.59110E-07 | 475791.4 | 3743665.4 | 472.5 | 3.49 | 4.00 | 3.25 |
| L0002236 YES | 0 | 0.59110E-07 | 475791.4 | 3743656.8 | 472.0 | 3.49 | 4.00 | 3.25 |
| L0002237 YES | 0 | 0.59110E-07 | 475791.5 | 3743648.2 | 472.0 | 3.49 | 4.00 | 3.25 |
| L0002238 YES | 0 | 0.59110E-07 | 475791.5 | 3743639.6 | 472.0 | 3.49 | 4.00 | 3.25 |
| L0002239 YES | 0 | 0.59110E-07 | 475791.6 | 3743631.0 | 472.0 | 3.49 | 4.00 | 3.25 |
| L0002240 YES | 0 | 0.59110E-07 | 475791.6 | 3743622.4 | 472.1 | 3.49 | 4.00 | 3.25 |
| L0002241 YES | 0 | 0.59110E-07 | 475791.7 | 3743613.8 | 472.4 | 3.49 | 4.00 | 3.25 |
| L0002242 YES | 0 | 0.59110E-07 | 475791.8 | 3743605.3 | 472.7 | 3.49 | 4.00 | 3.25 |
| L0002243 YES | 0 | 0.59110E-07 | 475791.8 | 3743596.7 | 473.0 | 3.49 | 4.00 | 3.25 |

| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0002267 | 0 | 0.59110E-07 | 475793.2 | 3743390.5 | 476.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002268 | 0 | 0.59110E-07 | 475793.2 | 3743381.9 | 476.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002269 | 0 | 0.59110E-07 | 475793.3 | 3743373.3 | 476.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002270 | 0 | 0.59110E-07 | 475793.3 | 3743364.7 | 476.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002271 | 0 | 0.59110E-07 | 475796.9 | 3743357.0 | 476.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002272 | 0 | 0.59110E-07 | 475800.9 | 3743349.4 | 476.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002273 | 0 | 0.59110E-07 | 475808.1 | 3743346.1 | 476.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002274 | 0 | 0.59110E-07 | 475816.5 | 3743344.3 | 476.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002275 | 0 | 0.59110E-07 | 475824.9 | 3743342.6 | 476.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002276 | 0 | 0.59110E-07 | 475833.5 | 3743342.9 | 476.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002277 | 0 | 0.59110E-07 | 475842.1 | 3743343.2 | 476.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002278 | 0 | 0.59110E-07 | 475850.7 | 3743343.4 | 476.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002279 | 0 | 0.59110E-07 | 475859.3 | 3743343.7 | 476.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002280 | 0 | 0.59110E-07 | 475867.9 | 3743343.9 | 476.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002281 | 0 | 0.59110E-07 | 475876.5 | 3743344.2 | 475.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002282 | 0 | 0.59110E-07 | 475885.0 | 3743344.4 | 475.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002283 | 0 | 0.59110E-07 | 475893.6 | 3743344.7 | 474.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002284 | 0 | 0.59110E-07 | 475902.2 | 3743345.1 | 474.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002285 | 0 | 0.59110E-07 | 475910.8 | 3743345.4 | 474.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002286 | 0 | 0.59110E-07 | 475919.4 | 3743345.7 | 474.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002287 | 0 | 0.59110E-07 | 475928.0 | 3743346.0 | 474.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002288 | 0 | 0.59110E-07 | 475936.5 | 3743346.4 | 473.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002289 | 0 | 0.59110E-07 | 475945.1 | 3743346.7 | 473.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002290 | 0 | 0.59110E-07 | 475953.7 | 3743347.0 | 473.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002291 | 0 | 0.59110E-07 | 475962.3 | 3743347.3 | 473.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002292 | 0 | 0.59110E-07 | 475970.9 | 3743347.7 | 473.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002293 | 0 | 0.59110E-07 | 475979.5 | 3743348.0 | 473.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002294 | 0 | 0.59110E-07 | 475988.0 | 3743348.3 | 473.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002295 | 0 | 0.59110E-07 | 475996.6 | 3743348.6 | 473.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***

*** 16:27:00

*** VOLUME SOURCE DATA ***

| SOURCE SOURCE ID (METERS) | NUMBER URBAN PART. SCALAR VARY CATS. | EMISSION RATE EMISSION RATE (GRAMS/SEC) BY | X (METERS) | Y (METERS) | BASE ELEV. (METERS) | RELEASE HEIGHT (METERS) | INIT. SY (METERS) | INIT. SZ |
|------------------------------------|--|---|---------------|---------------|---------------------------|-------------------------------|-------------------------|-------------|
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| L0002296 | 0 | 0.59110E-07 | 476005.2 | 3743349.0 | 473.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002297 | 0 | 0.59110E-07 | 476013.8 | 3743349.3 | 473.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002298 | 0 | 0.59110E-07 | 476022.4 | 3743349.6 | 473.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002299 | 0 | 0.59110E-07 | 476031.0 | 3743349.9 | 473.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002300 | 0 | 0.59110E-07 | 476039.5 | 3743350.3 | 473.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002301 | 0 | 0.59110E-07 | 476048.1 | 3743350.6 | 473.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002302 | 0 | 0.59110E-07 | 476056.7 | 3743350.9 | 473.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002303 | 0 | 0.59110E-07 | 476065.3 | 3743351.2 | 473.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002304 | 0 | 0.59110E-07 | 476073.9 | 3743351.6 | 473.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002305 | 0 | 0.59110E-07 | 476082.5 | 3743351.9 | 474.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002306 | 0 | 0.59110E-07 | 476091.0 | 3743352.2 | 474.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002307 | 0 | 0.59110E-07 | 476099.6 | 3743352.5 | 474.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002308 | 0 | 0.59110E-07 | 476108.2 | 3743352.9 | 474.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002309 | 0 | 0.59110E-07 | 476116.8 | 3743353.2 | 475.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002310 | 0 | 0.59110E-07 | 476125.4 | 3743353.5 | 475.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002311 | 0 | 0.59110E-07 | 476134.0 | 3743353.8 | 475.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002312 | 0 | 0.59110E-07 | 476142.6 | 3743354.1 | 476.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002313 | 0 | 0.59110E-07 | 476151.1 | 3743354.2 | 476.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002314 | 0 | 0.59110E-07 | 476159.7 | 3743354.3 | 476.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002315 | 0 | 0.59110E-07 | 476168.3 | 3743354.4 | 476.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002316 | 0 | 0.59110E-07 | 476176.9 | 3743354.5 | 475.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002317 | 0 | 0.59110E-07 | 476185.5 | 3743354.6 | 475.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002318 | 0 | 0.59110E-07 | 476194.1 | 3743354.7 | 475.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002319 | 0 | 0.59110E-07 | 476202.7 | 3743354.8 | 474.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002320 | 0 | 0.59110E-07 | 476211.3 | 3743354.8 | 474.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002321 | 0 | 0.59110E-07 | 476219.9 | 3743354.9 | 474.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002322 | 0 | 0.59110E-07 | 476228.4 | 3743355.0 | 474.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |

| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0002323 | 0 | 0.59110E-07 | 476237.0 | 3743355.1 | 474.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002324 | 0 | 0.59110E-07 | 476245.6 | 3743355.2 | 474.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002325 | 0 | 0.59110E-07 | 476254.2 | 3743355.3 | 474.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002326 | 0 | 0.59110E-07 | 476262.8 | 3743355.4 | 473.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002327 | 0 | 0.59110E-07 | 476271.4 | 3743355.5 | 473.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002328 | 0 | 0.59110E-07 | 476280.0 | 3743355.6 | 473.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002329 | 0 | 0.59110E-07 | 476288.6 | 3743355.6 | 473.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002330 | 0 | 0.59110E-07 | 476297.2 | 3743355.7 | 473.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002331 | 0 | 0.59110E-07 | 476305.8 | 3743355.8 | 473.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002332 | 0 | 0.59110E-07 | 476314.3 | 3743355.9 | 473.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002333 | 0 | 0.59110E-07 | 476322.9 | 3743356.0 | 473.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002334 | 0 | 0.59110E-07 | 476331.5 | 3743356.1 | 473.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002335 | 0 | 0.59110E-07 | 476340.1 | 3743356.2 | 473.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 16:27:00

PAGE 16

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| SOURCE | | NUMBER EMISSION RATE | | BASE | | RELEASE | INIT. | INIT. |
|----------|---|----------------------|---------------|-----------|----------|----------|----------|----------|
| SOURCE | | URBAN | EMISSION RATE | | | | | |
| ID | | PART. | (GRAMS/SEC) | X | Y | ELEV. | HEIGHT | SY |
| (METERS) | | SCALAR VARY | | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) |
| | | CATS. | BY | | | | | |
| ----- | | | | | | | | |
| L0002336 | 0 | 0.59110E-07 | 476348.7 | 3743356.3 | 473.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002337 | 0 | 0.59110E-07 | 476357.3 | 3743356.3 | 472.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002338 | 0 | 0.59110E-07 | 476365.9 | 3743356.4 | 472.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002339 | 0 | 0.59110E-07 | 476374.5 | 3743356.5 | 472.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002340 | 0 | 0.59110E-07 | 476383.1 | 3743356.6 | 472.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002341 | 0 | 0.59110E-07 | 476391.6 | 3743356.7 | 472.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002342 | 0 | 0.59110E-07 | 476400.2 | 3743356.8 | 472.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002343 | 0 | 0.59110E-07 | 476408.8 | 3743356.9 | 472.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002344 | 0 | 0.59110E-07 | 476417.4 | 3743357.0 | 471.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002345 | 0 | 0.59110E-07 | 476426.0 | 3743357.2 | 471.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |

| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0002346 | 0 | 0.59110E-07 | 476434.6 | 3743357.8 | 471.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002347 | 0 | 0.59110E-07 | 476443.2 | 3743358.3 | 470.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002348 | 0 | 0.59110E-07 | 476451.7 | 3743358.8 | 470.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002349 | 0 | 0.59110E-07 | 476460.3 | 3743359.3 | 470.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002350 | 0 | 0.59110E-07 | 476468.9 | 3743359.8 | 470.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002351 | 0 | 0.59110E-07 | 476477.5 | 3743360.3 | 470.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002352 | 0 | 0.59110E-07 | 476486.0 | 3743360.8 | 470.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002353 | 0 | 0.59110E-07 | 476494.6 | 3743361.3 | 470.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002354 | 0 | 0.59110E-07 | 476503.2 | 3743361.8 | 470.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002355 | 0 | 0.59110E-07 | 476511.8 | 3743362.3 | 469.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002356 | 0 | 0.59110E-07 | 476520.3 | 3743362.8 | 469.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002357 | 0 | 0.59110E-07 | 476528.9 | 3743363.3 | 469.8 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002358 | 0 | 0.59110E-07 | 476537.5 | 3743363.8 | 469.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002359 | 0 | 0.59110E-07 | 476546.1 | 3743364.3 | 469.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002360 | 0 | 0.59110E-07 | 476554.6 | 3743364.8 | 468.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002361 | 0 | 0.59110E-07 | 476563.2 | 3743365.3 | 468.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002362 | 0 | 0.59110E-07 | 476571.8 | 3743365.8 | 468.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002363 | 0 | 0.59110E-07 | 476580.4 | 3743366.3 | 468.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002364 | 0 | 0.59110E-07 | 476588.9 | 3743366.8 | 467.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002365 | 0 | 0.59110E-07 | 476597.5 | 3743367.3 | 467.5 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002366 | 0 | 0.59110E-07 | 476606.1 | 3743367.8 | 467.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002367 | 0 | 0.59110E-07 | 476614.7 | 3743368.3 | 467.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002368 | 0 | 0.59110E-07 | 476623.2 | 3743368.8 | 466.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002369 | 0 | 0.59110E-07 | 476631.8 | 3743369.3 | 466.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002370 | 0 | 0.59110E-07 | 476640.4 | 3743369.8 | 466.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002371 | 0 | 0.59110E-07 | 476649.0 | 3743370.3 | 466.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002372 | 0 | 0.59110E-07 | 476657.5 | 3743370.6 | 465.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002373 | 0 | 0.59110E-07 | 476666.1 | 3743370.8 | 465.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002374 | 0 | 0.59110E-07 | 476674.7 | 3743370.9 | 465.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |
| L0002375 | 0 | 0.59110E-07 | 476683.3 | 3743371.1 | 465.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | |

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAS\15091 MVCC\15091
MVCC\15091 MVC ***      08/21/23
*** AERMET - VERSION 16216 ***
***
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16:27:00

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| *** VOLUME SOURCE DATA *** | | | | | | | | | |
|----------------------------|--------|--------|---------------|----------|-----------|----------|----------|----------|-------|
| | | NUMBER | EMISSION RATE | | | BASE | RELEASE | INIT. | INIT. |
| SOURCE | URBAN | PART. | EMISSION RATE | X | Y | ELEV. | HEIGHT | SY | SZ |
| SOURCE | SCALAR | VARY | (GRAMS/SEC) | | | | | | |
| ID | CATS. | | | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | |
| (METERS) | | | BY | | | | | | |
| ----- | | | | | | | | | |
| ----- | | | | | | | | | |
| L0002376 | | 0 | 0.59110E-07 | 476691.9 | 3743371.3 | 465.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002377 | | 0 | 0.59110E-07 | 476700.5 | 3743371.5 | 465.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002378 | | 0 | 0.59110E-07 | 476709.1 | 3743371.7 | 465.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002379 | | 0 | 0.59110E-07 | 476717.7 | 3743371.8 | 464.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002380 | | 0 | 0.59110E-07 | 476726.2 | 3743372.0 | 464.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002381 | | 0 | 0.59110E-07 | 476734.8 | 3743372.2 | 464.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002382 | | 0 | 0.59110E-07 | 476743.4 | 3743372.4 | 463.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002383 | | 0 | 0.59110E-07 | 476752.0 | 3743372.6 | 463.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002384 | | 0 | 0.59110E-07 | 476760.6 | 3743372.7 | 463.3 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002385 | | 0 | 0.59110E-07 | 476769.2 | 3743372.9 | 463.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002386 | | 0 | 0.59110E-07 | 476777.8 | 3743373.1 | 463.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002387 | | 0 | 0.59110E-07 | 476786.4 | 3743373.3 | 463.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002388 | | 0 | 0.59110E-07 | 476795.0 | 3743373.5 | 462.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002389 | | 0 | 0.59110E-07 | 476803.5 | 3743373.6 | 462.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002390 | | 0 | 0.59110E-07 | 476812.1 | 3743373.8 | 462.2 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002391 | | 0 | 0.59110E-07 | 476820.7 | 3743374.0 | 462.1 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002392 | | 0 | 0.59110E-07 | 476829.3 | 3743374.2 | 462.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002393 | | 0 | 0.59110E-07 | 476837.9 | 3743374.4 | 462.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002394 | | 0 | 0.59110E-07 | 476846.5 | 3743374.6 | 462.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002395 | | 0 | 0.59110E-07 | 476855.1 | 3743374.7 | 462.0 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002396 | | 0 | 0.59110E-07 | 476863.7 | 3743374.9 | 461.9 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002397 | | 0 | 0.59110E-07 | 476872.2 | 3743375.1 | 461.7 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002398 | | 0 | 0.59110E-07 | 476880.8 | 3743375.3 | 461.6 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002399 | | 0 | 0.59110E-07 | 476889.4 | 3743375.5 | 461.4 | 3.49 | 4.00 | 3.25 |
| YES | | | | | | | | | |
| L0002400 | | 0 | 0.59110E-07 | 476898.0 | 3743375.6 | 461.3 | 3.49 | 4.00 | 3.25 |
| | | | | | | | | | |


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FF *** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                    08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 16:27:00
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| | | NUMBER | EMISSION RATE | | | BASE | RELEASE | INIT. | INIT. |
|----------|--------|--------|---------------|----------|-----------|----------|----------|----------|-------|
| | | URBAN | EMISSION RATE | | | | | | |
| SOURCE | | PART. | (GRAMS/SEC) | X | Y | ELEV. | HEIGHT | SY | SZ |
| SOURCE | SCALAR | VARY | | | | | | | |
| ID | | CATS. | | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | |
| (METERS) | | | BY | | | | | | |
| ----- | | | | | | | | | |
| ----- | | | | | | | | | |
| L0002456 | | 0 | 0.96480E-07 | 477199.0 | 3742750.7 | 458.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002457 | | 0 | 0.96480E-07 | 477203.8 | 3742737.5 | 458.5 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002458 | | 0 | 0.96480E-07 | 477208.5 | 3742724.3 | 458.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002459 | | 0 | 0.96480E-07 | 477213.3 | 3742711.2 | 458.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002460 | | 0 | 0.96480E-07 | 477218.0 | 3742698.0 | 458.9 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002461 | | 0 | 0.96480E-07 | 477222.8 | 3742684.8 | 458.9 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002462 | | 0 | 0.96480E-07 | 477227.0 | 3742671.5 | 458.8 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002463 | | 0 | 0.96480E-07 | 477230.9 | 3742658.0 | 458.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002464 | | 0 | 0.96480E-07 | 477234.7 | 3742644.6 | 458.5 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002465 | | 0 | 0.96480E-07 | 477238.6 | 3742631.1 | 458.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002466 | | 0 | 0.96480E-07 | 477242.5 | 3742617.7 | 458.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002467 | | 0 | 0.96480E-07 | 477244.3 | 3742604.0 | 458.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002468 | | 0 | 0.96480E-07 | 477243.9 | 3742590.0 | 458.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002469 | | 0 | 0.96480E-07 | 477243.5 | 3742576.0 | 458.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002470 | | 0 | 0.96480E-07 | 477257.0 | 3742575.8 | 458.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002471 | | 0 | 0.96480E-07 | 477271.0 | 3742576.1 | 458.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002472 | | 0 | 0.96480E-07 | 477285.0 | 3742576.3 | 457.8 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002473 | | 0 | 0.96480E-07 | 477299.0 | 3742576.6 | 457.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002474 | | 0 | 0.96480E-07 | 477313.0 | 3742576.9 | 456.9 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002475 | | 0 | 0.96480E-07 | 477327.0 | 3742577.2 | 456.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002476 | | 0 | 0.96480E-07 | 477341.0 | 3742577.5 | 456.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002477 | | 0 | 0.96480E-07 | 477355.0 | 3742577.8 | 456.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002478 | | 0 | 0.96480E-07 | 477369.0 | 3742578.0 | 456.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002479 | | 0 | 0.96480E-07 | 477383.0 | 3742578.3 | 456.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | | |
| L0002480 | | 0 | 0.96480E-07 | 477397.0 | 3742578.4 | 455.9 | 3.49 | | |

| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0002481 | 0 | 0.96480E-07 | 477411.0 | 3742578.1 | 455.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002482 | 0 | 0.96480E-07 | 477425.0 | 3742577.7 | 455.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002483 | 0 | 0.96480E-07 | 477439.0 | 3742577.4 | 454.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002484 | 0 | 0.96480E-07 | 477453.0 | 3742577.1 | 454.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002485 | 0 | 0.96480E-07 | 477467.0 | 3742576.8 | 454.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002486 | 0 | 0.96480E-07 | 477481.0 | 3742576.5 | 454.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002487 | 0 | 0.96480E-07 | 477495.0 | 3742576.2 | 453.8 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002488 | 0 | 0.96480E-07 | 477509.0 | 3742575.8 | 453.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002489 | 0 | 0.96480E-07 | 477523.0 | 3742575.5 | 453.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002490 | 0 | 0.96480E-07 | 477537.0 | 3742575.0 | 453.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002491 | 0 | 0.96480E-07 | 477550.9 | 3742574.5 | 453.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002492 | 0 | 0.96480E-07 | 477564.9 | 3742574.1 | 452.5 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002493 | 0 | 0.96480E-07 | 477578.9 | 3742573.6 | 452.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002494 | 0 | 0.96480E-07 | 477592.9 | 3742573.1 | 452.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002495 | 0 | 0.96480E-07 | 477606.9 | 3742572.6 | 452.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |

```

FF *** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                      08/21/23
*** AERMET - VERSION 16216 ***
***                                     ***          16:27:00

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PAGE 20

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

| | | NUMBER | EMISSION RATE | | | BASE | RELEASE | INIT. | INIT. |
|----------|-------------|-------------|---------------|-----------|----------|----------|----------|-------|-------|
| | | URBAN | EMISSION RATE | | | | | | |
| SOURCE | PART. | (GRAMS/SEC) | X | Y | ELEV. | HEIGHT | SY | SZ | |
| SOURCE | SCALAR VARY | | | | | | | | |
| ID | CATS. | | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | | |
| (METERS) | | BY | | | | | | | |
| ----- | | | | | | | | | |
| ----- | | | | | | | | | |
| L0002496 | 0 | 0.96480E-07 | 477620.9 | 3742572.2 | 451.7 | 3.49 | 6.51 | 3.25 | |
| YES | | | | | | | | | |
| L0002497 | 0 | 0.96480E-07 | 477634.9 | 3742571.9 | 451.3 | 3.49 | 6.51 | 3.25 | |
| YES | | | | | | | | | |
| L0002498 | 0 | 0.96480E-07 | 477648.9 | 3742571.5 | 451.1 | 3.49 | 6.51 | 3.25 | |
| YES | | | | | | | | | |
| L0002499 | 0 | 0.96480E-07 | 477662.9 | 3742571.1 | 451.0 | 3.49 | 6.51 | 3.25 | |
| YES | | | | | | | | | |
| L0002500 | 0 | 0.96480E-07 | 477676.9 | 3742570.8 | 451.0 | 3.49 | 6.51 | 3.25 | |
| YES | | | | | | | | | |
| L0002501 | 0 | 0.96480E-07 | 477690.9 | 3742570.4 | 451.0 | 3.49 | 6.51 | 3.25 | |
| YES | | | | | | | | | |
| L0002502 | 0 | 0.96480E-07 | 477704.9 | 3742570.1 | 450.8 | 3.49 | 6.51 | 3.25 | |
| YES | | | | | | | | | |
| L0002503 | 0 | 0.96480E-07 | 477718.9 | 3742569.7 | 450.4 | 3.49 | 6.51 | 3.25 | |
| YES | | | | | | | | | |

| | | | | | | | | |
|-----------------|---|-------------|----------|-----------|-------|------|------|------|
| L0002504 YES | 0 | 0.96480E-07 | 477732.9 | 3742569.4 | 450.0 | 3.49 | 6.51 | 3.25 |
| L0002505 YES | 0 | 0.96480E-07 | 477746.9 | 3742569.0 | 450.0 | 3.49 | 6.51 | 3.25 |
| L0002506 YES | 0 | 0.96480E-07 | 477760.9 | 3742568.7 | 450.0 | 3.49 | 6.51 | 3.25 |
| L0002507 YES | 0 | 0.96480E-07 | 477774.9 | 3742568.3 | 449.6 | 3.49 | 6.51 | 3.25 |
| L0002508 YES | 0 | 0.96480E-07 | 477788.9 | 3742568.0 | 449.3 | 3.49 | 6.51 | 3.25 |
| L0002509 YES | 0 | 0.96480E-07 | 477802.8 | 3742567.6 | 449.2 | 3.49 | 6.51 | 3.25 |
| L0002510 YES | 0 | 0.96480E-07 | 477816.8 | 3742567.3 | 449.0 | 3.49 | 6.51 | 3.25 |
| L0002511 YES | 0 | 0.96480E-07 | 477830.8 | 3742566.9 | 448.8 | 3.49 | 6.51 | 3.25 |
| L0002512 YES | 0 | 0.96480E-07 | 477844.8 | 3742566.6 | 448.4 | 3.49 | 6.51 | 3.25 |
| L0002513 YES | 0 | 0.96480E-07 | 477858.8 | 3742566.2 | 448.2 | 3.49 | 6.51 | 3.25 |
| L0002514 YES | 0 | 0.19300E-07 | 476337.0 | 3744620.8 | 463.0 | 3.49 | 6.51 | 3.25 |
| L0002515 YES | 0 | 0.19300E-07 | 476325.9 | 3744629.4 | 463.0 | 3.49 | 6.51 | 3.25 |
| L0002516 YES | 0 | 0.19300E-07 | 476314.9 | 3744638.0 | 463.2 | 3.49 | 6.51 | 3.25 |
| L0002517 YES | 0 | 0.19300E-07 | 476303.8 | 3744646.6 | 463.5 | 3.49 | 6.51 | 3.25 |
| L0002518 YES | 0 | 0.19300E-07 | 476293.5 | 3744656.0 | 463.9 | 3.49 | 6.51 | 3.25 |
| L0002519 YES | 0 | 0.19300E-07 | 476284.2 | 3744666.5 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002520 YES | 0 | 0.19300E-07 | 476274.9 | 3744676.9 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002521 YES | 0 | 0.19300E-07 | 476265.6 | 3744687.4 | 463.9 | 3.49 | 6.51 | 3.25 |
| L0002522 YES | 0 | 0.19300E-07 | 476258.8 | 3744699.6 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002523 YES | 0 | 0.19300E-07 | 476252.1 | 3744711.9 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002524 YES | 0 | 0.19300E-07 | 476245.5 | 3744724.3 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002525 YES | 0 | 0.19300E-07 | 476239.9 | 3744737.0 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002526 YES | 0 | 0.19300E-07 | 476235.2 | 3744750.2 | 463.9 | 3.49 | 6.51 | 3.25 |
| L0002527 YES | 0 | 0.19300E-07 | 476230.4 | 3744763.4 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002528 YES | 0 | 0.19300E-07 | 476225.7 | 3744776.6 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002529 YES | 0 | 0.19300E-07 | 476222.2 | 3744790.0 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002530 YES | 0 | 0.19300E-07 | 476220.4 | 3744803.9 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002531 YES | 0 | 0.19300E-07 | 476218.7 | 3744817.8 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002532 YES | 0 | 0.19300E-07 | 476216.9 | 3744831.7 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002533 YES | 0 | 0.19300E-07 | 476216.4 | 3744845.7 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002534 YES | 0 | 0.19300E-07 | 476216.4 | 3744859.7 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002535 YES | 0 | 0.19300E-07 | 476216.4 | 3744873.7 | 464.0 | 3.49 | 6.51 | 3.25 |

| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0002560 | 0 | 0.19300E-07 | 476217.4 | 3745223.6 | 463.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002561 | 0 | 0.19300E-07 | 476217.6 | 3745237.6 | 463.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002562 | 0 | 0.19300E-07 | 476217.7 | 3745251.6 | 462.9 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002563 | 0 | 0.19300E-07 | 476217.9 | 3745265.6 | 462.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002564 | 0 | 0.19300E-07 | 476218.0 | 3745279.6 | 462.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002565 | 0 | 0.19300E-07 | 476218.1 | 3745293.6 | 462.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002566 | 0 | 0.19300E-07 | 476218.2 | 3745307.6 | 462.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002567 | 0 | 0.19300E-07 | 476218.4 | 3745321.6 | 462.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002568 | 0 | 0.19300E-07 | 476218.5 | 3745335.6 | 462.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002569 | 0 | 0.19300E-07 | 476218.6 | 3745349.6 | 462.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002570 | 0 | 0.19300E-07 | 476218.4 | 3745363.6 | 462.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002571 | 0 | 0.19300E-07 | 476217.8 | 3745377.5 | 462.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002572 | 0 | 0.19300E-07 | 476217.1 | 3745391.5 | 462.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002573 | 0 | 0.19300E-07 | 476214.5 | 3745405.3 | 462.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002574 | 0 | 0.19300E-07 | 476211.3 | 3745418.9 | 462.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002575 | 0 | 0.19300E-07 | 476208.2 | 3745432.5 | 462.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                     ***                  16:27:00

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PAGE 22
*** MODELOPTs:   RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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| *** VOLUME SOURCE DATA *** | | | | | | | | |
|----------------------------|--------|-------------|----------|-----------|----------|----------|----------|-------|
| SOURCE | NUMBER | EMISSION | RATE | | BASE | RELEASE | INIT. | INIT. |
| SOURCE | URBAN | EMISSION | RATE | | | | | |
| ID | PART. | (GRAMS/SEC) | X | Y | ELEV. | HEIGHT | SY | SZ |
| (METERS) | SCALAR | VARY | | | (METERS) | (METERS) | (METERS) | |
| | CATS. | BY | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | |
| ----- | | | | | | | | |
| ----- | | | | | | | | |
| L0002576 | 0 | 0.19300E-07 | 476205.0 | 3745446.2 | 462.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002577 | 0 | 0.19300E-07 | 476199.8 | 3745459.1 | 462.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002578 | 0 | 0.19300E-07 | 476193.4 | 3745471.5 | 462.2 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002579 | 0 | 0.19300E-07 | 476186.9 | 3745483.9 | 462.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002580 | 0 | 0.19300E-07 | 476180.5 | 3745496.3 | 462.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002581 | 0 | 0.19300E-07 | 476174.0 | 3745508.7 | 462.9 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002582 | 0 | 0.19300E-07 | 476166.4 | 3745520.4 | 462.9 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |

| | | | | | | | | |
|-----------------|---|-------------|----------|-----------|-------|------|------|------|
| L0002583 YES | 0 | 0.19300E-07 | 476158.2 | 3745531.8 | 462.7 | 3.49 | 6.51 | 3.25 |
| L0002584 YES | 0 | 0.19300E-07 | 476150.0 | 3745543.2 | 462.7 | 3.49 | 6.51 | 3.25 |
| L0002585 YES | 0 | 0.19300E-07 | 476141.8 | 3745554.5 | 462.9 | 3.49 | 6.51 | 3.25 |
| L0002586 YES | 0 | 0.19300E-07 | 476133.7 | 3745565.9 | 463.0 | 3.49 | 6.51 | 3.25 |
| L0002587 YES | 0 | 0.19300E-07 | 476125.5 | 3745577.3 | 463.0 | 3.49 | 6.51 | 3.25 |
| L0002588 YES | 0 | 0.19300E-07 | 476117.3 | 3745588.6 | 463.0 | 3.49 | 6.51 | 3.25 |
| L0002589 YES | 0 | 0.19300E-07 | 476109.1 | 3745600.0 | 463.0 | 3.49 | 6.51 | 3.25 |
| L0002590 YES | 0 | 0.19300E-07 | 476101.0 | 3745611.4 | 463.2 | 3.49 | 6.51 | 3.25 |
| L0002591 YES | 0 | 0.19300E-07 | 476092.8 | 3745622.7 | 463.3 | 3.49 | 6.51 | 3.25 |
| L0002592 YES | 0 | 0.19300E-07 | 476084.6 | 3745634.1 | 463.1 | 3.49 | 6.51 | 3.25 |
| L0002593 YES | 0 | 0.19300E-07 | 476076.4 | 3745645.4 | 463.1 | 3.49 | 6.51 | 3.25 |
| L0002594 YES | 0 | 0.19300E-07 | 476068.2 | 3745656.7 | 463.1 | 3.49 | 6.51 | 3.25 |
| L0002595 YES | 0 | 0.19300E-07 | 476059.9 | 3745668.1 | 463.0 | 3.49 | 6.51 | 3.25 |
| L0002596 YES | 0 | 0.19300E-07 | 476051.7 | 3745679.4 | 463.0 | 3.49 | 6.51 | 3.25 |
| L0002597 YES | 0 | 0.19300E-07 | 476043.5 | 3745690.7 | 463.0 | 3.49 | 6.51 | 3.25 |
| L0002598 YES | 0 | 0.19300E-07 | 476035.2 | 3745702.1 | 463.0 | 3.49 | 6.51 | 3.25 |
| L0002599 YES | 0 | 0.19300E-07 | 476027.0 | 3745713.4 | 463.0 | 3.49 | 6.51 | 3.25 |
| L0002600 YES | 0 | 0.19300E-07 | 476018.8 | 3745724.7 | 463.0 | 3.49 | 6.51 | 3.25 |
| L0002601 YES | 0 | 0.19300E-07 | 476010.6 | 3745736.0 | 463.1 | 3.49 | 6.51 | 3.25 |
| L0002602 YES | 0 | 0.19300E-07 | 476002.3 | 3745747.4 | 463.4 | 3.49 | 6.51 | 3.25 |
| L0002603 YES | 0 | 0.19300E-07 | 475994.1 | 3745758.7 | 463.9 | 3.49 | 6.51 | 3.25 |
| L0002604 YES | 0 | 0.19300E-07 | 475985.9 | 3745770.0 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002605 YES | 0 | 0.19300E-07 | 475977.7 | 3745781.3 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002606 YES | 0 | 0.19300E-07 | 475969.4 | 3745792.7 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002607 YES | 0 | 0.19300E-07 | 475961.2 | 3745804.0 | 464.0 | 3.49 | 6.51 | 3.25 |
| L0002608 YES | 0 | 0.19300E-07 | 475953.0 | 3745815.3 | 464.2 | 3.49 | 6.51 | 3.25 |
| L0002609 YES | 0 | 0.19300E-07 | 475944.7 | 3745826.7 | 464.5 | 3.49 | 6.51 | 3.25 |
| L0002610 YES | 0 | 0.19300E-07 | 475936.5 | 3745838.0 | 464.8 | 3.49 | 6.51 | 3.25 |
| L0002611 YES | 0 | 0.19300E-07 | 475928.3 | 3745849.3 | 465.0 | 3.49 | 6.51 | 3.25 |
| L0002612 YES | 0 | 0.19300E-07 | 475920.1 | 3745860.6 | 465.0 | 3.49 | 6.51 | 3.25 |
| L0002613 YES | 0 | 0.19300E-07 | 475912.3 | 3745872.3 | 465.0 | 3.49 | 6.51 | 3.25 |
| L0002614 YES | 0 | 0.19300E-07 | 475904.7 | 3745884.0 | 465.0 | 3.49 | 6.51 | 3.25 |
| L0002615 YES | 0 | 0.19300E-07 | 475897.1 | 3745895.8 | 465.1 | 3.49 | 6.51 | 3.25 |

| | | | | | | | | |
|----------|---|-------------|----------|-----------|-------|------|------|------|
| L0002639 | 0 | 0.19300E-07 | 475818.2 | 3746211.9 | 467.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002640 | 0 | 0.19300E-07 | 475818.4 | 3746225.9 | 467.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002641 | 0 | 0.19300E-07 | 475818.5 | 3746239.9 | 467.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002642 | 0 | 0.19300E-07 | 475818.7 | 3746253.9 | 467.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002643 | 0 | 0.19300E-07 | 475818.8 | 3746267.9 | 467.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002644 | 0 | 0.19300E-07 | 475819.0 | 3746281.9 | 466.8 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002645 | 0 | 0.19300E-07 | 475819.1 | 3746295.9 | 466.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002646 | 0 | 0.19300E-07 | 475819.3 | 3746309.9 | 466.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002647 | 0 | 0.19300E-07 | 475819.4 | 3746323.9 | 466.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002648 | 0 | 0.19300E-07 | 475819.5 | 3746337.9 | 466.4 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002649 | 0 | 0.19300E-07 | 475819.7 | 3746351.9 | 466.1 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002650 | 0 | 0.19300E-07 | 475819.8 | 3746365.9 | 466.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002651 | 0 | 0.19300E-07 | 475820.0 | 3746379.9 | 466.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002652 | 0 | 0.19300E-07 | 475820.1 | 3746393.9 | 466.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002653 | 0 | 0.19300E-07 | 475820.3 | 3746407.9 | 466.0 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002654 | 0 | 0.19300E-07 | 475820.4 | 3746421.9 | 465.9 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002655 | 0 | 0.19300E-07 | 475820.6 | 3746435.9 | 465.8 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** 16:27:00

PAGE 24
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

| *** VOLUME SOURCE DATA *** | | | | | | | | |
|----------------------------|--------|-------------|----------|-----------|----------|----------|----------|-------|
| SOURCE | NUMBER | EMISSION | RATE | | BASE | RELEASE | INIT. | INIT. |
| SOURCE | URBAN | EMISSION | RATE | | | | | |
| ID | PART. | (GRAMS/SEC) | X | Y | ELEV. | HEIGHT | SY | SZ |
| (METERS) | SCALAR | VARY | | | | | | |
| | CATS. | | (METERS) | (METERS) | (METERS) | (METERS) | (METERS) | |
| | | BY | | | | | | |
| L0002656 | 0 | 0.19300E-07 | 475820.7 | 3746449.9 | 465.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002657 | 0 | 0.19300E-07 | 475820.9 | 3746463.9 | 465.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002658 | 0 | 0.19300E-07 | 475821.0 | 3746477.9 | 465.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002659 | 0 | 0.19300E-07 | 475821.0 | 3746491.9 | 465.6 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002660 | 0 | 0.19300E-07 | 475820.2 | 3746505.9 | 465.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |
| L0002661 | 0 | 0.19300E-07 | 475819.4 | 3746519.9 | 465.7 | 3.49 | 6.51 | 3.25 |
| YES | | | | | | | | |

| | | | | | | | | |
|-----------------|---|-------------|----------|-----------|-------|------|------|------|
| L0002662 YES | 0 | 0.19300E-07 | 475818.6 | 3746533.9 | 465.7 | 3.49 | 6.51 | 3.25 |
| L0002663 YES | 0 | 0.19300E-07 | 475817.8 | 3746547.8 | 465.7 | 3.49 | 6.51 | 3.25 |
| L0002664 YES | 0 | 0.19300E-07 | 475817.1 | 3746561.8 | 465.8 | 3.49 | 6.51 | 3.25 |
| L0002665 YES | 0 | 0.19300E-07 | 475816.3 | 3746575.8 | 465.8 | 3.49 | 6.51 | 3.25 |
| L0002666 YES | 0 | 0.19300E-07 | 475815.5 | 3746589.8 | 465.8 | 3.49 | 6.51 | 3.25 |
| L0002667 YES | 0 | 0.19300E-07 | 475811.0 | 3746603.0 | 466.0 | 3.49 | 6.51 | 3.25 |
| L0002668 YES | 0 | 0.19300E-07 | 475806.4 | 3746616.2 | 466.0 | 3.49 | 6.51 | 3.25 |
| L0002669 YES | 0 | 0.19300E-07 | 475801.8 | 3746629.5 | 465.9 | 3.49 | 6.51 | 3.25 |
| L0002670 YES | 0 | 0.19300E-07 | 475797.2 | 3746642.7 | 465.7 | 3.49 | 6.51 | 3.25 |
| L0002671 YES | 0 | 0.19300E-07 | 475792.5 | 3746655.9 | 465.6 | 3.49 | 6.51 | 3.25 |
| L0002672 YES | 0 | 0.19300E-07 | 475783.2 | 3746666.3 | 465.6 | 3.49 | 6.51 | 3.25 |
| L0002673 YES | 0 | 0.19300E-07 | 475773.9 | 3746676.8 | 465.5 | 3.49 | 6.51 | 3.25 |
| L0002674 YES | 0 | 0.19300E-07 | 475764.5 | 3746687.2 | 465.5 | 3.49 | 6.51 | 3.25 |
| L0002675 YES | 0 | 0.19300E-07 | 475754.9 | 3746697.3 | 465.8 | 3.49 | 6.51 | 3.25 |
| L0002676 YES | 0 | 0.19300E-07 | 475744.8 | 3746707.0 | 466.1 | 3.49 | 6.51 | 3.25 |
| L0002677 YES | 0 | 0.19300E-07 | 475734.7 | 3746716.7 | 466.0 | 3.49 | 6.51 | 3.25 |
| L0002678 YES | 0 | 0.19300E-07 | 475724.6 | 3746726.4 | 466.3 | 3.49 | 6.51 | 3.25 |
| L0002679 YES | 0 | 0.19300E-07 | 475714.5 | 3746736.1 | 466.7 | 3.49 | 6.51 | 3.25 |
| L0002680 YES | 0 | 0.19300E-07 | 475704.4 | 3746745.8 | 467.0 | 3.49 | 6.51 | 3.25 |
| L0002681 YES | 0 | 0.19300E-07 | 475694.9 | 3746756.0 | 467.0 | 3.49 | 6.51 | 3.25 |
| L0002682 YES | 0 | 0.19300E-07 | 475687.1 | 3746767.6 | 467.1 | 3.49 | 6.51 | 3.25 |
| L0002683 YES | 0 | 0.19300E-07 | 475679.2 | 3746779.2 | 467.4 | 3.49 | 6.51 | 3.25 |
| L0002684 YES | 0 | 0.19300E-07 | 475671.3 | 3746790.7 | 467.6 | 3.49 | 6.51 | 3.25 |
| L0002685 YES | 0 | 0.19300E-07 | 475663.4 | 3746802.3 | 467.9 | 3.49 | 6.51 | 3.25 |
| L0002686 YES | 0 | 0.19300E-07 | 475657.8 | 3746815.0 | 468.1 | 3.49 | 6.51 | 3.25 |
| L0002687 YES | 0 | 0.19300E-07 | 475653.6 | 3746828.4 | 468.2 | 3.49 | 6.51 | 3.25 |
| L0002688 YES | 0 | 0.19300E-07 | 475649.4 | 3746841.7 | 468.2 | 3.49 | 6.51 | 3.25 |
| L0002689 YES | 0 | 0.19300E-07 | 475645.2 | 3746855.1 | 467.9 | 3.49 | 6.51 | 3.25 |
| L0002690 YES | 0 | 0.19300E-07 | 475641.0 | 3746868.4 | 467.6 | 3.49 | 6.51 | 3.25 |
| L0002691 YES | 0 | 0.19300E-07 | 475638.3 | 3746882.0 | 467.3 | 3.49 | 6.51 | 3.25 |
| L0002692 YES | 0 | 0.19300E-07 | 475638.1 | 3746896.0 | 467.0 | 3.49 | 6.51 | 3.25 |
| L0002693 YES | 0 | 0.19300E-07 | 475638.0 | 3746910.0 | 466.5 | 3.49 | 6.51 | 3.25 |
| L0002694 YES | 0 | 0.19300E-07 | 475637.8 | 3746924.0 | 466.1 | 3.49 | 6.51 | 3.25 |

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                ***
***                                16:27:00

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*** MODELOPTs:      RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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[illegible]

| | | | | | | | | |
|-----------------|---|-------------|----------|-----------|-------|------|------|------|
| L0002696 YES | 0 | 0.19300E-07 | 475648.2 | 3746941.4 | 466.0 | 3.49 | 6.51 | 3.25 |
| L0002697 YES | 0 | 0.19300E-07 | 475662.2 | 3746941.5 | 466.0 | 3.49 | 6.51 | 3.25 |
| L0002698 YES | 0 | 0.19300E-07 | 475676.2 | 3746941.6 | 466.0 | 3.49 | 6.51 | 3.25 |
| L0002699 YES | 0 | 0.19300E-07 | 475690.2 | 3746941.8 | 466.0 | 3.49 | 6.51 | 3.25 |
| L0002700 YES | 0 | 0.19300E-07 | 475704.2 | 3746941.9 | 465.3 | 3.49 | 6.51 | 3.25 |
| L0002701 YES | 0 | 0.19300E-07 | 475718.2 | 3746942.0 | 464.6 | 3.49 | 6.51 | 3.25 |
| L0002702 YES | 0 | 0.19300E-07 | 475732.2 | 3746942.1 | 464.1 | 3.49 | 6.51 | 3.25 |
| L0002703 YES | 0 | 0.19300E-07 | 475746.2 | 3746942.2 | 463.6 | 3.49 | 6.51 | 3.25 |
| L0002704 YES | 0 | 0.19300E-07 | 475760.2 | 3746942.3 | 463.5 | 3.49 | 6.51 | 3.25 |
| L0002705 YES | 0 | 0.19300E-07 | 475774.2 | 3746942.4 | 463.5 | 3.49 | 6.51 | 3.25 |
| L0002706 YES | 0 | 0.19300E-07 | 475788.2 | 3746942.6 | 463.3 | 3.49 | 6.51 | 3.25 |
| L0002707 YES | 0 | 0.19300E-07 | 475802.2 | 3746942.7 | 463.1 | 3.49 | 6.51 | 3.25 |
| L0002708 YES | 0 | 0.19300E-07 | 475816.2 | 3746942.8 | 463.0 | 3.49 | 6.51 | 3.25 |
| L0002709 YES | 0 | 0.19300E-07 | 475830.2 | 3746942.9 | 463.0 | 3.49 | 6.51 | 3.25 |
| L0002710 YES | 0 | 0.19300E-07 | 475844.2 | 3746943.0 | 462.9 | 3.49 | 6.51 | 3.25 |
| L0002711 YES | 0 | 0.19300E-07 | 475858.2 | 3746943.1 | 462.7 | 3.49 | 6.51 | 3.25 |
| L0002712 YES | 0 | 0.19300E-07 | 475872.2 | 3746943.2 | 462.4 | 3.49 | 6.51 | 3.25 |
| L0002713 YES | 0 | 0.19300E-07 | 475886.2 | 3746943.4 | 462.2 | 3.49 | 6.51 | 3.25 |
| L0002714 YES | 0 | 0.19300E-07 | 475900.2 | 3746943.5 | 462.0 | 3.49 | 6.51 | 3.25 |
| L0002715 YES | 0 | 0.19300E-07 | 475914.2 | 3746943.6 | 462.0 | 3.49 | 6.51 | 3.25 |
| L0002716 YES | 0 | 0.19300E-07 | 475928.2 | 3746943.7 | 462.0 | 3.49 | 6.51 | 3.25 |
| L0002717 YES | 0 | 0.19300E-07 | 475942.2 | 3746943.8 | 461.6 | 3.49 | 6.51 | 3.25 |

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FR *** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                      08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 16:27:00

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*** MODELOPTs:      RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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[illegible]

| | | | | | | | | |
|-----------------|---|-------------|----------|-----------|-------|------|------|------|
| L0002736 YES | 0 | 0.54540E-06 | 475676.3 | 3744087.6 | 477.3 | 3.49 | 4.00 | 3.25 |
| L0002737 YES | 0 | 0.54540E-06 | 475667.7 | 3744088.3 | 477.4 | 3.49 | 4.00 | 3.25 |
| L0002738 YES | 0 | 0.54540E-06 | 475659.1 | 3744088.2 | 477.6 | 3.49 | 4.00 | 3.25 |
| L0002739 YES | 0 | 0.54540E-06 | 475650.5 | 3744088.2 | 477.7 | 3.49 | 4.00 | 3.25 |
| L0002740 YES | 0 | 0.54540E-06 | 475642.0 | 3744088.2 | 477.8 | 3.49 | 4.00 | 3.25 |

| | | | | | | | | |
|-----------------|---|-------------|----------|-----------|-------|------|------|------|
| L0002741 YES | 0 | 0.54540E-06 | 475633.4 | 3744088.2 | 477.9 | 3.49 | 4.00 | 3.25 |
| L0002742 YES | 0 | 0.54540E-06 | 475624.8 | 3744088.1 | 478.2 | 3.49 | 4.00 | 3.25 |
| L0002743 YES | 0 | 0.54540E-06 | 475616.2 | 3744088.1 | 478.4 | 3.49 | 4.00 | 3.25 |
| L0002744 YES | 0 | 0.54540E-06 | 475607.6 | 3744088.1 | 478.7 | 3.49 | 4.00 | 3.25 |
| L0002745 YES | 0 | 0.54540E-06 | 475599.0 | 3744088.0 | 479.0 | 3.49 | 4.00 | 3.25 |
| L0002746 YES | 0 | 0.54540E-06 | 475590.4 | 3744088.0 | 479.3 | 3.49 | 4.00 | 3.25 |
| L0002747 YES | 0 | 0.54540E-06 | 475581.8 | 3744088.0 | 479.6 | 3.49 | 4.00 | 3.25 |
| L0002748 YES | 0 | 0.54540E-06 | 475573.2 | 3744088.0 | 479.9 | 3.49 | 4.00 | 3.25 |
| L0002749 YES | 0 | 0.54540E-06 | 475564.6 | 3744087.9 | 480.1 | 3.49 | 4.00 | 3.25 |
| L0002750 YES | 0 | 0.54540E-06 | 475556.1 | 3744087.9 | 480.3 | 3.49 | 4.00 | 3.25 |
| L0002751 YES | 0 | 0.54540E-06 | 475547.5 | 3744087.9 | 480.4 | 3.49 | 4.00 | 3.25 |
| L0002752 YES | 0 | 0.54540E-06 | 475538.9 | 3744087.8 | 480.6 | 3.49 | 4.00 | 3.25 |
| L0002753 YES | 0 | 0.54540E-06 | 475530.3 | 3744087.8 | 480.7 | 3.49 | 4.00 | 3.25 |
| L0002754 YES | 0 | 0.54540E-06 | 475521.7 | 3744087.8 | 480.9 | 3.49 | 4.00 | 3.25 |
| L0002755 YES | 0 | 0.54540E-06 | 475513.1 | 3744087.8 | 481.0 | 3.49 | 4.00 | 3.25 |
| L0002756 YES | 0 | 0.54540E-06 | 475504.5 | 3744087.7 | 481.2 | 3.49 | 4.00 | 3.25 |
| L0002757 YES | 0 | 0.54540E-06 | 475495.9 | 3744087.7 | 481.5 | 3.49 | 4.00 | 3.25 |
| L0002758 YES | 0 | 0.54540E-06 | 475487.3 | 3744087.7 | 481.8 | 3.49 | 4.00 | 3.25 |
| L0002759 YES | 0 | 0.54540E-06 | 475478.7 | 3744087.6 | 482.0 | 3.49 | 4.00 | 3.25 |
| L0002760 YES | 0 | 0.54540E-06 | 475470.2 | 3744087.6 | 482.0 | 3.49 | 4.00 | 3.25 |
| L0002761 YES | 0 | 0.54540E-06 | 475461.6 | 3744087.6 | 482.0 | 3.49 | 4.00 | 3.25 |
| L0002762 YES | 0 | 0.54540E-06 | 475453.0 | 3744087.6 | 482.0 | 3.49 | 4.00 | 3.25 |
| L0002763 YES | 0 | 0.54540E-06 | 475444.4 | 3744087.5 | 481.9 | 3.49 | 4.00 | 3.25 |
| L0002764 YES | 0 | 0.54540E-06 | 475435.8 | 3744087.5 | 481.8 | 3.49 | 4.00 | 3.25 |
| L0002765 YES | 0 | 0.54540E-06 | 475427.2 | 3744087.5 | 481.7 | 3.49 | 4.00 | 3.25 |
| L0002766 YES | 0 | 0.54540E-06 | 475418.6 | 3744087.4 | 481.6 | 3.49 | 4.00 | 3.25 |
| L0002767 YES | 0 | 0.54540E-06 | 475410.0 | 3744087.4 | 481.6 | 3.49 | 4.00 | 3.25 |
| L0002768 YES | 0 | 0.54540E-06 | 475401.4 | 3744087.4 | 481.6 | 3.49 | 4.00 | 3.25 |
| L0002769 YES | 0 | 0.54540E-06 | 475392.8 | 3744087.4 | 481.6 | 3.49 | 4.00 | 3.25 |
| L0002770 YES | 0 | 0.54540E-06 | 475384.3 | 3744087.3 | 481.7 | 3.49 | 4.00 | 3.25 |
| L0002771 YES | 0 | 0.54540E-06 | 475375.7 | 3744087.3 | 481.8 | 3.49 | 4.00 | 3.25 |
| L0002772 YES | 0 | 0.54540E-06 | 475367.1 | 3744087.3 | 481.9 | 3.49 | 4.00 | 3.25 |
| L0002773 YES | 0 | 0.54540E-06 | 475358.5 | 3744087.2 | 482.0 | 3.49 | 4.00 | 3.25 |

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                ***
***                                16:27:00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

[illegible]

| | | | | | | | | |
|-----------------|---|-------------|----------|-----------|-------|------|------|------|
| L0002776 YES | 0 | 0.54540E-06 | 475332.7 | 3744087.2 | 482.9 | 3.49 | 4.00 | 3.25 |
| L0002777 YES | 0 | 0.54540E-06 | 475324.1 | 3744087.1 | 483.4 | 3.49 | 4.00 | 3.25 |
| L0002778 YES | 0 | 0.54540E-06 | 475315.5 | 3744087.1 | 483.9 | 3.49 | 4.00 | 3.25 |
| L0002779 YES | 0 | 0.54540E-06 | 475306.9 | 3744087.1 | 484.5 | 3.49 | 4.00 | 3.25 |
| L0002780 YES | 0 | 0.54540E-06 | 475298.4 | 3744087.0 | 485.1 | 3.49 | 4.00 | 3.25 |
| L0002781 YES | 0 | 0.54540E-06 | 475289.8 | 3744087.0 | 485.5 | 3.49 | 4.00 | 3.25 |
| L0002782 YES | 0 | 0.54540E-06 | 475281.2 | 3744087.0 | 485.8 | 3.49 | 4.00 | 3.25 |
| L0002783 YES | 0 | 0.54540E-06 | 475272.6 | 3744087.0 | 486.2 | 3.49 | 4.00 | 3.25 |
| L0002784 YES | 0 | 0.54540E-06 | 475264.0 | 3744086.9 | 486.5 | 3.49 | 4.00 | 3.25 |
| L0002785 YES | 0 | 0.54540E-06 | 475255.4 | 3744086.9 | 486.7 | 3.49 | 4.00 | 3.25 |
| L0002786 YES | 0 | 0.54540E-06 | 475246.8 | 3744086.9 | 486.9 | 3.49 | 4.00 | 3.25 |
| L0002787 YES | 0 | 0.54540E-06 | 475238.2 | 3744086.9 | 487.0 | 3.49 | 4.00 | 3.25 |
| L0002788 YES | 0 | 0.54540E-06 | 475229.8 | 3744085.2 | 487.1 | 3.49 | 4.00 | 3.25 |
| L0002789 YES | 0 | 0.54540E-06 | 475224.1 | 3744080.1 | 487.1 | 3.49 | 4.00 | 3.25 |
| L0002790 YES | 0 | 0.54540E-06 | 475220.7 | 3744072.2 | 487.0 | 3.49 | 4.00 | 3.25 |
| L0002791 YES | 0 | 0.54540E-06 | 475220.6 | 3744063.6 | 487.0 | 3.49 | 4.00 | 3.25 |
| L0002792 YES | 0 | 0.54540E-06 | 475220.6 | 3744055.0 | 487.0 | 3.49 | 4.00 | 3.25 |
| L0002793 YES | 0 | 0.54540E-06 | 475220.6 | 3744046.4 | 487.0 | 3.49 | 4.00 | 3.25 |
| L0002794 YES | 0 | 0.54540E-06 | 475220.5 | 3744037.8 | 487.2 | 3.49 | 4.00 | 3.25 |
| L0002795 YES | 0 | 0.54540E-06 | 475220.5 | 3744029.2 | 487.4 | 3.49 | 4.00 | 3.25 |
| L0002796 YES | 0 | 0.54540E-06 | 475220.5 | 3744020.7 | 487.6 | 3.49 | 4.00 | 3.25 |

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*** AERMOT - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                  ***
***                                  16:27:00

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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ U*

[illegible]

| | | | | | | | | |
|-----------------|---|-------------|----------|-----------|-------|------|------|------|
| L0002816 YES | 0 | 0.54540E-06 | 475219.8 | 3743848.9 | 484.9 | 3.49 | 4.00 | 3.25 |
| L0002817 YES | 0 | 0.54540E-06 | 475219.8 | 3743840.3 | 484.8 | 3.49 | 4.00 | 3.25 |
| L0002818 YES | 0 | 0.54540E-06 | 475220.7 | 3743831.9 | 484.5 | 3.49 | 4.00 | 3.25 |
| L0002819 YES | 0 | 0.54540E-06 | 475225.5 | 3743824.8 | 484.1 | 3.49 | 4.00 | 3.25 |

| | | | | | | | | |
|-----------------|---|-------------|----------|-----------|-------|------|------|------|
| L0002820 YES | 0 | 0.54540E-06 | 475231.9 | 3743820.1 | 483.7 | 3.49 | 4.00 | 3.25 |
| L0002821 YES | 0 | 0.54540E-06 | 475240.3 | 3743818.5 | 483.4 | 3.49 | 4.00 | 3.25 |
| L0002822 YES | 0 | 0.54540E-06 | 475248.8 | 3743816.9 | 483.2 | 3.49 | 4.00 | 3.25 |
| L0002823 YES | 0 | 0.54540E-06 | 475257.3 | 3743816.1 | 483.1 | 3.49 | 4.00 | 3.25 |
| L0002824 YES | 0 | 0.54540E-06 | 475265.9 | 3743816.3 | 483.0 | 3.49 | 4.00 | 3.25 |
| L0002825 YES | 0 | 0.54540E-06 | 475274.5 | 3743816.5 | 482.9 | 3.49 | 4.00 | 3.25 |
| L0002826 YES | 0 | 0.54540E-06 | 475283.0 | 3743816.8 | 482.6 | 3.49 | 4.00 | 3.25 |
| L0002827 YES | 0 | 0.54540E-06 | 475291.3 | 3743818.7 | 482.3 | 3.49 | 4.00 | 3.25 |
| L0002828 YES | 0 | 0.54540E-06 | 475299.3 | 3743821.8 | 482.0 | 3.49 | 4.00 | 3.25 |
| L0002829 YES | 0 | 0.54540E-06 | 475307.4 | 3743824.8 | 481.8 | 3.49 | 4.00 | 3.25 |
| L0002830 YES | 0 | 0.54540E-06 | 475315.4 | 3743827.9 | 481.6 | 3.49 | 4.00 | 3.25 |
| L0002831 YES | 0 | 0.54540E-06 | 475323.5 | 3743830.8 | 481.4 | 3.49 | 4.00 | 3.25 |
| L0002832 YES | 0 | 0.54540E-06 | 475331.6 | 3743833.5 | 481.1 | 3.49 | 4.00 | 3.25 |
| L0002833 YES | 0 | 0.54540E-06 | 475339.8 | 3743835.9 | 481.0 | 3.49 | 4.00 | 3.25 |
| L0002834 YES | 0 | 0.54540E-06 | 475348.4 | 3743835.9 | 481.0 | 3.49 | 4.00 | 3.25 |
| L0002835 YES | 0 | 0.54540E-06 | 475357.0 | 3743835.8 | 481.0 | 3.49 | 4.00 | 3.25 |
| L0002836 YES | 0 | 0.54540E-06 | 475365.6 | 3743835.8 | 481.0 | 3.49 | 4.00 | 3.25 |
| L0002837 YES | 0 | 0.54540E-06 | 475374.2 | 3743835.7 | 481.0 | 3.49 | 4.00 | 3.25 |
| L0002838 YES | 0 | 0.54540E-06 | 475382.8 | 3743835.7 | 481.0 | 3.49 | 4.00 | 3.25 |
| L0002839 YES | 0 | 0.54540E-06 | 475391.3 | 3743835.6 | 480.9 | 3.49 | 4.00 | 3.25 |
| L0002840 YES | 0 | 0.54540E-06 | 475399.9 | 3743835.5 | 480.6 | 3.49 | 4.00 | 3.25 |
| L0002841 YES | 0 | 0.54540E-06 | 475408.5 | 3743835.5 | 480.3 | 3.49 | 4.00 | 3.25 |
| L0002842 YES | 0 | 0.54540E-06 | 475417.1 | 3743835.4 | 480.0 | 3.49 | 4.00 | 3.25 |
| L0002843 YES | 0 | 0.54540E-06 | 475425.7 | 3743835.4 | 479.4 | 3.49 | 4.00 | 3.25 |
| L0002844 YES | 0 | 0.54540E-06 | 475434.3 | 3743835.3 | 478.5 | 3.49 | 4.00 | 3.25 |
| L0002845 YES | 0 | 0.54540E-06 | 475442.9 | 3743835.3 | 477.7 | 3.49 | 4.00 | 3.25 |
| L0002846 YES | 0 | 0.54540E-06 | 475451.5 | 3743835.2 | 477.0 | 3.49 | 4.00 | 3.25 |
| L0002847 YES | 0 | 0.54540E-06 | 475460.1 | 3743835.2 | 476.9 | 3.49 | 4.00 | 3.25 |
| L0002848 YES | 0 | 0.54540E-06 | 475468.6 | 3743835.1 | 476.9 | 3.49 | 4.00 | 3.25 |
| L0002849 YES | 0 | 0.54540E-06 | 475477.2 | 3743835.1 | 476.9 | 3.49 | 4.00 | 3.25 |
| L0002850 YES | 0 | 0.54540E-06 | 475485.8 | 3743835.0 | 477.1 | 3.49 | 4.00 | 3.25 |
| L0002851 YES | 0 | 0.54540E-06 | 475494.4 | 3743835.0 | 477.4 | 3.49 | 4.00 | 3.25 |
| L0002852 YES | 0 | 0.54540E-06 | 475503.0 | 3743834.9 | 477.7 | 3.49 | 4.00 | 3.25 |


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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***
***                                  *** 16:27:00

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*** MODELOPTs:      RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

| SRCGROUP ID | | SOURCE IDs | | | | | | | | | | |
|-------------|------------|------------|----------|---|----------|---|----------|---|----------|---|----------|---|
| ----- | | ----- | | | | | | | | | | |
| ALL | 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 | , | | | | | | | | |
| | L0001540 | , | L0001541 | , | L0001542 | , | L0001543 | , | L0001544 | , | L0001545 | , |
| | L0001546 | , | L0001547 | , | | | | | | | | |
| | L0001548 | , | L0001549 | , | L0001550 | , | L0001551 | , | L0001552 | , | L0001553 | , |
| | L0001554 | , | L0001555 | , | | | | | | | | |
| | L0001556 | , | L0001557 | , | L0001558 | , | L0001559 | , | L0001560 | , | L0001561 | , |
| | L0001562 | , | L0001563 | , | | | | | | | | |
| | L0001564 | , | L0001565 | , | L0001566 | , | L0001567 | , | L0001568 | , | L0001569 | , |
| | L0001862 | , | L0001863 | , | | | | | | | | |

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| L0001864 | , | L0001865 | , | L0001866 | , | L0001867 | , | L0001868 | , | L0001869 | , |
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| L0001872 | , | L0001873 | , | L0001874 | , | L0001875 | , | L0001876 | , | L0001877 | , |
| L0001878 | , | L0001879 | , | | | | | | | | |
| L0001880 | , | L0001881 | , | L0001882 | , | L0001883 | , | L0001884 | , | L0001885 | , |
| L0001886 | , | L0001887 | , | | | | | | | | |
| L0001888 | , | L0001889 | , | L0001890 | , | L0001891 | , | L0001892 | , | L0001893 | , |
| L0001894 | , | L0001895 | , | | | | | | | | |
| L0001896 | , | L0001897 | , | L0001898 | , | L0001899 | , | L0001900 | , | L0001901 | , |
| L0001902 | , | L0001903 | , | | | | | | | | |
| L0001904 | , | L0001905 | , | L0001906 | , | L0001907 | , | L0001908 | , | L0001909 | , |
| L0001910 | , | L0001911 | , | | | | | | | | |
| L0001912 | , | L0001913 | , | L0001914 | , | L0001915 | , | L0001916 | , | L0001917 | , |
| L0001918 | , | L0001919 | , | | | | | | | | |
| L0001920 | , | L0001921 | , | L0001922 | , | L0001923 | , | L0001924 | , | L0001925 | , |
| L0001926 | , | L0001927 | , | | | | | | | | |
| L0001928 | , | L0001929 | , | L0001930 | , | L0001931 | , | L0001932 | , | L0001933 | , |
| L0001934 | , | L0001935 | , | | | | | | | | |

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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*** 16:27:00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

| | | | | | | | | | | | |
|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
| L0001936 | , | L0001937 | , | L0001938 | , | L0001939 | , | L0001940 | , | L0001941 | , |
| L0001942 | , | L0001943 | , | | | | | | | | |
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| L0001950 | , | L0001951 | , | | | | | | | | |
| L0001952 | , | L0001953 | , | L0001954 | , | L0001955 | , | L0001956 | , | L0001957 | , |
| L0001958 | , | L0001959 | , | | | | | | | | |
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| L0001966 | , | L0001967 | , | | | | | | | | |
| L0001968 | , | L0001969 | , | L0001970 | , | L0001971 | , | L0001972 | , | L0001973 | , |
| L0001974 | , | L0001975 | , | | | | | | | | |
| L0001976 | , | L0001977 | , | L0001978 | , | L0001979 | , | L0001980 | , | L0001981 | , |
| L0001982 | , | L0001983 | , | | | | | | | | |
| L0001984 | , | L0001985 | , | L0001986 | , | L0001987 | , | L0001988 | , | L0001989 | , |
| L0001990 | , | L0001991 | , | | | | | | | | |
| L0001992 | , | L0001993 | , | L0001994 | , | L0001995 | , | L0001996 | , | L0001997 | , |
| L0001998 | , | L0001999 | , | | | | | | | | |
| L0002000 | , | L0002001 | , | L0002002 | , | L0002003 | , | L0002004 | , | L0002005 | , |

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| | | | | | | L0002013 | , |
| L0002016 | , | L0002017 | , | L0002018 | , | L0002019 | , |
| L0002022 | , | L0002023 | , | | | L0002020 | , |
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| L0002024 | , | L0002025 | , | L0002026 | , | L0002027 | , |
| L0002030 | , | L0002031 | , | | | L0002028 | , |
| | | | | | | L0002029 | , |
| L0002032 | , | L0002033 | , | L0002034 | , | L0002035 | , |
| L0002038 | , | L0002039 | , | | | L0002036 | , |
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| L0002046 | , | L0002047 | , | | | L0002044 | , |
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| L0002054 | , | L0002055 | , | | | L0002052 | , |
| | | | | | | L0002053 | , |
| L0002056 | , | L0002057 | , | L0002058 | , | L0002059 | , |
| L0002062 | , | L0002063 | , | | | L0002060 | , |
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| L0002070 | , | L0002071 | , | | | L0002068 | , |
| | | | | | | L0002069 | , |
| L0002072 | , | L0002073 | , | L0002074 | , | L0002075 | , |
| L0002078 | , | L0002079 | , | | | L0002076 | , |
| | | | | | | L0002077 | , |
| L0002080 | , | L0002081 | , | L0002082 | , | L0002083 | , |
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| L0002088 | , | L0002089 | , | L0002090 | , | L0002091 | , |
| L0002094 | , | L0002095 | , | | | L0002092 | , |
| | | | | | | L0002093 | , |

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
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16:27:00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

| | | | | | | | | | | | |
|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
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| L0002102 | , | L0002103 | , | | | | | | | | |
| L0002104 | , | L0002105 | , | L0002106 | , | L0002107 | , | L0002108 | , | L0002109 | , |
| L0002110 | , | L0002111 | , | | | | | | | | |
| L0002112 | , | L0002113 | , | L0002114 | , | L0002115 | , | L0002116 | , | L0002117 | , |
| L0002118 | , | L0002119 | , | | | | | | | | |
| L0002120 | , | L0002121 | , | L0002122 | , | L0002123 | , | L0002124 | , | L0002125 | , |
| L0002126 | , | L0002127 | , | | | | | | | | |
| L0002128 | , | L0002129 | , | L0002130 | , | L0002131 | , | L0002132 | , | L0002133 | , |
| L0002134 | , | L0002135 | , | | | | | | | | |
| L0002136 | , | L0002137 | , | L0002138 | , | L0002139 | , | L0002140 | , | L0002141 | , |
| L0002142 | , | L0002143 | , | | | | | | | | |

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

| | | | | | | | | | | | |
|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
| L0002256 | , | L0002257 | , | L0002258 | , | L0002259 | , | L0002260 | , | L0002261 | , |
| L0002262 | , | L0002263 | , | | | | | | | | |
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| L0002270 | , | L0002271 | , | | | | | | | | |
| L0002272 | , | L0002273 | , | L0002274 | , | L0002275 | , | L0002276 | , | L0002277 | , |
| L0002278 | , | L0002279 | , | | | | | | | | |

| | | | | | | | | | | | |
|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
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| L0002286 | , | L0002287 | , | | | | | | | | |
| L0002288 | , | L0002289 | , | L0002290 | , | L0002291 | , | L0002292 | , | L0002293 | , |
| L0002294 | , | L0002295 | , | | | | | | | | |
| L0002296 | , | L0002297 | , | L0002298 | , | L0002299 | , | L0002300 | , | L0002301 | , |
| L0002302 | , | L0002303 | , | | | | | | | | |
| L0002304 | , | L0002305 | , | L0002306 | , | L0002307 | , | L0002308 | , | L0002309 | , |
| L0002310 | , | L0002311 | , | | | | | | | | |
| L0002312 | , | L0002313 | , | L0002314 | , | L0002315 | , | L0002316 | , | L0002317 | , |
| L0002318 | , | L0002319 | , | | | | | | | | |
| L0002320 | , | L0002321 | , | L0002322 | , | L0002323 | , | L0002324 | , | L0002325 | , |
| L0002326 | , | L0002327 | , | | | | | | | | |
| L0002328 | , | L0002329 | , | L0002330 | , | L0002331 | , | L0002332 | , | L0002333 | , |
| L0002334 | , | L0002335 | , | | | | | | | | |
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| L0002342 | , | L0002343 | , | | | | | | | | |
| L0002344 | , | L0002345 | , | L0002346 | , | L0002347 | , | L0002348 | , | L0002349 | , |
| L0002350 | , | L0002351 | , | | | | | | | | |
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| L0002358 | , | L0002359 | , | | | | | | | | |
| L0002360 | , | L0002361 | , | L0002362 | , | L0002363 | , | L0002364 | , | L0002365 | , |
| L0002366 | , | L0002367 | , | | | | | | | | |
| L0002368 | , | L0002369 | , | L0002370 | , | L0002371 | , | L0002372 | , | L0002373 | , |
| L0002374 | , | L0002375 | , | | | | | | | | |
| L0002376 | , | L0002377 | , | L0002378 | , | L0002379 | , | L0002380 | , | L0002381 | , |
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| L0002398 | , | L0002399 | , | | | | | | | | |
| L0002400 | , | L0002401 | , | L0002402 | , | L0002403 | , | L0002404 | , | L0002405 | , |
| L0002406 | , | L0002407 | , | | | | | | | | |
| L0002408 | , | L0002409 | , | L0002410 | , | L0002411 | , | L0002412 | , | L0002413 | , |
| L0002414 | , | L0002415 | , | | | | | | | | |

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 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***

*** 16:27:00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*


*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

| | | | | | | | | | | | |
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| L0002446 | , | L0002447 | , | | | | |
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| L0002454 | , | L0002455 | , | | | | |
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| L0002464 | , | L0002465 | , | L0002466 | , | L0002467 | , |
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| L0002496 | , | L0002497 | , | L0002498 | , | L0002499 | , |
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| L0002504 | , | L0002505 | , | L0002506 | , | L0002507 | , |
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| L0002518 | , | L0002519 | , | | | | |
| L0002520 | , | L0002521 | , | L0002522 | , | L0002523 | , |
| L0002526 | , | L0002527 | , | | | | |
| L0002528 | , | L0002529 | , | L0002530 | , | L0002531 | , |
| L0002534 | , | L0002535 | , | | | | |
| L0002536 | , | L0002537 | , | L0002538 | , | L0002539 | , |
| L0002542 | , | L0002543 | , | | | | |
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| L0002558 | , | L0002559 | , | | | | |
| L0002560 | , | L0002561 | , | L0002562 | , | L0002563 | , |
| L0002566 | , | L0002567 | , | | | | |
| L0002568 | , | L0002569 | , | L0002570 | , | L0002571 | , |
| L0002574 | , | L0002575 | , | | | | |

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFault CONC ELEV URBAN ADJ U*

SOURCE IDs

| | | | | | | |
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| L0002736 L0002742 | , L0002737 , L0002743 | , L0002738 , | , L0002739 , | , L0002740 , | , L0002741 , | |
| L0002744 L0002750 | , L0002745 , L0002751 | , L0002746 , | , L0002747 , | , L0002748 , | , L0002749 , | |
| L0002752 L0002758 | , L0002753 , L0002759 | , L0002754 , | , L0002755 , | , L0002756 , | , L0002757 , | |
| L0002760 L0002766 | , L0002761 , L0002767 | , L0002762 , | , L0002763 , | , L0002764 , | , L0002765 , | |
| L0002768 L0002774 | , L0002769 , L0002775 | , L0002770 , | , L0002771 , | , L0002772 , | , L0002773 , | |
| L0002776 L0002782 | , L0002777 , L0002783 | , L0002778 , | , L0002779 , | , L0002780 , | , L0002781 , | |
| L0002784 L0002790 | , L0002785 , L0002791 | , L0002786 , | , L0002787 , | , L0002788 , | , L0002789 , | |
| L0002792 L0002798 | , L0002793 , L0002799 | , L0002794 , | , L0002795 , | , L0002796 , | , L0002797 , | |
| L0002800 L0002806 | , L0002801 , L0002807 | , L0002802 , | , L0002803 , | , L0002804 , | , L0002805 , | |
| L0002808 L0002814 | , L0002809 , L0002815 | , L0002810 , | , L0002811 , | , L0002812 , | , L0002813 , | |
| L0002816 L0002822 | , L0002817 , L0002823 | , L0002818 , | , L0002819 , | , L0002820 , | , L0002821 , | |
| L0002824 L0002830 | , L0002825 , L0002831 | , L0002826 , | , L0002827 , | , L0002828 , | , L0002829 , | |
| L0002832 L0002838 | , L0002833 , L0002839 | , L0002834 , | , L0002835 , | , L0002836 , | , L0002837 , | |
| L0002840 L0002846 | , L0002841 , L0002847 | , L0002842 , | , L0002843 , | , L0002844 , | , L0002845 , | |
| L0002848 L0002854 | , L0002849 , L0002855 | , L0002850 , | , L0002851 , | , L0002852 , | , L0002853 , | |
| L0002856 L0002862 | , L0002857 , L0002863 | , L0002858 , | , L0002859 , | , L0002860 , | , L0002861 , | |
| L0002864 L0002870 | , L0002865 , L0002871 | , L0002866 , | , L0002867 , | , L0002868 , | , L0002869 , | |

L0002872 , L0002873 , L0002874 , L0002875 , L0002876 , L0002877 ,
L0002878 , L0002879 ,

L0002880 , L0002881 , L0002882 , L0002883 , L0002884 ,

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

| URBAN ID | URBAN POP | SOURCE IDs |
|----------|--|--|
| ----- | ----- | ----- |
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| | 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 , | |
| | L0001540 , L0001541 , L0001542 , L0001543 , L0001544 , L0001545 , L0001546 , L0001547 , | |
| | L0001548 , L0001549 , L0001550 , L0001551 , L0001552 , L0001553 , L0001554 , L0001555 , | |
| | L0001556 , L0001557 , L0001558 , L0001559 , L0001560 , L0001561 , L0001562 , L0001563 , | |
| | L0001564 , L0001565 , L0001566 , L0001567 , L0001568 , L0001569 , L0001862 , L0001863 , | |
| | L0001864 , L0001865 , L0001866 , L0001867 , L0001868 , L0001869 , L0001870 , L0001871 , | |
| | L0001872 , L0001873 , L0001874 , L0001875 , L0001876 , L0001877 , L0001878 , L0001879 , | |
| | L0001880 , L0001881 , L0001882 , L0001883 , L0001884 , L0001885 , L0001886 , L0001887 , | |
| | L0001888 , L0001889 , L0001890 , L0001891 , L0001892 , L0001893 , L0001894 , L0001895 , | |
| | L0001896 , L0001897 , L0001898 , L0001899 , L0001900 , L0001901 , | |

| | | | | | | | |
|----------|---|----------|---|----------|---|----------|---|
| L0001902 | , | L0001903 | , | | | | |
| L0001904 | , | L0001905 | , | L0001906 | , | L0001907 | , |
| L0001910 | , | L0001911 | , | | | | |
| L0001912 | , | L0001913 | , | L0001914 | , | L0001915 | , |
| L0001918 | , | L0001919 | , | | | | |
| L0001920 | , | L0001921 | , | L0001922 | , | L0001923 | , |
| L0001926 | , | L0001927 | , | | | | |
| L0001928 | , | L0001929 | , | L0001930 | , | L0001931 | , |
| L0001934 | , | L0001935 | , | | | | |

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***
 *** 16:27:00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

| URBAN ID | URBAN POP | SOURCE IDs | | | | | |
|----------|-----------|------------|---|----------|---|----------|---|
| ----- | ----- | ----- | | | | | |
| L0001936 | , | L0001937 | , | L0001938 | , | L0001939 | , |
| L0001942 | , | L0001943 | , | | | | |
| L0001944 | , | L0001945 | , | L0001946 | , | L0001947 | , |
| L0001950 | , | L0001951 | , | | | | |
| L0001952 | , | L0001953 | , | L0001954 | , | L0001955 | , |
| L0001958 | , | L0001959 | , | | | | |
| L0001960 | , | L0001961 | , | L0001962 | , | L0001963 | , |
| L0001966 | , | L0001967 | , | | | | |
| L0001968 | , | L0001969 | , | L0001970 | , | L0001971 | , |
| L0001974 | , | L0001975 | , | | | | |
| L0001976 | , | L0001977 | , | L0001978 | , | L0001979 | , |
| L0001982 | , | L0001983 | , | | | | |
| L0001984 | , | L0001985 | , | L0001986 | , | L0001987 | , |
| L0001990 | , | L0001991 | , | | | | |
| L0001992 | , | L0001993 | , | L0001994 | , | L0001995 | , |
| L0001998 | , | L0001999 | , | | | | |
| L0002000 | , | L0002001 | , | L0002002 | , | L0002003 | , |
| L0002006 | , | L0002007 | , | | | | |
| L0002008 | , | L0002009 | , | L0002010 | , | L0002011 | , |
| L0002014 | , | L0002015 | , | | | | |
| L0002016 | , | L0002017 | , | L0002018 | , | L0002019 | , |
| L0002022 | , | L0002023 | , | | | | |
| L0002024 | , | L0002025 | , | L0002026 | , | L0002027 | , |
| L0002030 | , | L0002031 | , | | | | |
| L0002032 | , | L0002033 | , | L0002034 | , | L0002035 | , |
| L0002038 | , | L0002039 | , | | | | |

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Pr *** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                      08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 16:27:00

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

| URBAN ID | URBAN POP | SOURCE IDs | | | | | | | | | | |
|----------|-----------|------------|----------|---|----------|---|----------|---|----------|---|----------|---|
| | | | | | | | | | | | | |
| | L0002096 | , | L0002097 | , | L0002098 | , | L0002099 | , | L0002100 | , | L0002101 | , |
| | L0002102 | , | L0002103 | , | | | | | | | | |
| | L0002104 | , | L0002105 | , | L0002106 | , | L0002107 | , | L0002108 | , | L0002109 | , |
| | L0002110 | , | L0002111 | , | | | | | | | | |
| | L0002112 | , | L0002113 | , | L0002114 | , | L0002115 | , | L0002116 | , | L0002117 | , |
| | L0002118 | , | L0002119 | , | | | | | | | | |
| | L0002120 | , | L0002121 | , | L0002122 | , | L0002123 | , | L0002124 | , | L0002125 | , |
| | L0002126 | , | L0002127 | , | | | | | | | | |
| | L0002128 | , | L0002129 | , | L0002130 | , | L0002131 | , | L0002132 | , | L0002133 | , |
| | L0002134 | , | L0002135 | , | | | | | | | | |
| | L0002136 | , | L0002137 | , | L0002138 | , | L0002139 | , | L0002140 | , | L0002141 | , |
| | L0002142 | , | L0002143 | , | | | | | | | | |
| | L0002144 | , | L0002145 | , | L0002146 | , | L0002147 | , | L0002148 | , | L0002149 | , |
| | L0002150 | , | L0002151 | , | | | | | | | | |
| | L0002152 | , | L0002153 | , | L0002154 | , | L0002155 | , | L0002156 | , | L0002157 | , |
| | L0002158 | , | L0002159 | , | | | | | | | | |
| | L0002160 | , | L0002161 | , | L0002162 | , | L0002163 | , | L0002164 | , | L0002165 | , |
| | L0002166 | , | L0002167 | , | | | | | | | | |
| | L0002168 | , | L0002169 | , | L0002170 | , | L0002171 | , | L0002172 | , | L0002173 | , |
| | L0002174 | , | L0002175 | , | | | | | | | | |

| | | | | | | | | | | | |
|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
| L0002176 | , | L0002177 | , | L0002178 | , | L0002179 | , | L0002180 | , | L0002181 | , |
| L0002182 | , | L0002183 | , | | | | | | | | |
| L0002184 | , | L0002185 | , | L0002186 | , | L0002187 | , | L0002188 | , | L0002189 | , |
| L0002190 | , | L0002191 | , | | | | | | | | |
| L0002192 | , | L0002193 | , | L0002194 | , | L0002195 | , | L0002196 | , | L0002197 | , |
| L0002198 | , | L0002199 | , | | | | | | | | |
| L0002200 | , | L0002201 | , | L0002202 | , | L0002203 | , | L0002204 | , | L0002205 | , |
| L0002206 | , | L0002207 | , | | | | | | | | |
| L0002208 | , | L0002209 | , | L0002210 | , | L0002211 | , | L0002212 | , | L0002213 | , |
| L0002214 | , | L0002215 | , | | | | | | | | |
| L0002216 | , | L0002217 | , | L0002218 | , | L0002219 | , | L0002220 | , | L0002221 | , |
| L0002222 | , | L0002223 | , | | | | | | | | |
| L0002224 | , | L0002225 | , | L0002226 | , | L0002227 | , | L0002228 | , | L0002229 | , |
| L0002230 | , | L0002231 | , | | | | | | | | |
| L0002232 | , | L0002233 | , | L0002234 | , | L0002235 | , | L0002236 | , | L0002237 | , |
| L0002238 | , | L0002239 | , | | | | | | | | |
| L0002240 | , | L0002241 | , | L0002242 | , | L0002243 | , | L0002244 | , | L0002245 | , |
| L0002246 | , | L0002247 | , | | | | | | | | |
| L0002248 | , | L0002249 | , | L0002250 | , | L0002251 | , | L0002252 | , | L0002253 | , |
| L0002254 | , | L0002255 | , | | | | | | | | |

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                  08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 16:27:00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

| URBAN ID | URBAN POP | SOURCE IDs |
|----------|-----------|--|
| ----- | ----- | ----- |
| L0002256 | , | L0002257 , L0002258 , L0002259 , L0002260 , L0002261 , |
| L0002262 | , | L0002263 , |
| L0002264 | , | L0002265 , L0002266 , L0002267 , L0002268 , L0002269 , |
| L0002270 | , | L0002271 , |
| L0002272 | , | L0002273 , L0002274 , L0002275 , L0002276 , L0002277 , |
| L0002278 | , | L0002279 , |
| L0002280 | , | L0002281 , L0002282 , L0002283 , L0002284 , L0002285 , |
| L0002286 | , | L0002287 , |
| L0002288 | , | L0002289 , L0002290 , L0002291 , L0002292 , L0002293 , |
| L0002294 | , | L0002295 , |
| L0002296 | , | L0002297 , L0002298 , L0002299 , L0002300 , L0002301 , |
| L0002302 | , | L0002303 , |
| L0002304 | , | L0002305 , L0002306 , L0002307 , L0002308 , L0002309 , |
| L0002310 | , | L0002311 , |
| L0002312 | , | L0002313 , L0002314 , L0002315 , L0002316 , L0002317 , |

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FF *** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                    08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 16:27:00


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*** MODELOPTs: RegDEFAULT CONC ELEV URBAN ADJ_U*

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

| URBAN ID | URBAN POP | SOURCE IDs |
|----------|------------|------------|
| ----- | ----- | ----- |
| L0002416 | , L0002417 | , L0002418 |
| L0002422 | , L0002423 | , L0002419 |
| L0002424 | , L0002425 | , L0002420 |
| L0002430 | , L0002431 | , L0002421 |
| L0002432 | , L0002433 | , L0002426 |
| L0002438 | , L0002439 | , L0002427 |
| L0002440 | , L0002441 | , L0002428 |
| L0002446 | , L0002447 | , L0002429 |
| L0002448 | , L0002449 | , L0002432 |
| L0002454 | , L0002455 | , L0002433 |
| | | , L0002434 |
| | | , L0002435 |
| | | , L0002436 |
| | | , L0002437 |
| | | , L0002438 |
| | | , L0002439 |
| | | , L0002440 |
| | | , L0002441 |
| | | , L0002442 |
| | | , L0002443 |
| | | , L0002444 |
| | | , L0002445 |
| | | , L0002446 |
| | | , L0002447 |
| | | , L0002448 |
| | | , L0002449 |
| | | , L0002450 |
| | | , L0002451 |
| | | , L0002452 |
| | | , L0002453 |

| | | | | | | | | | | | |
|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
| L0002456 | , | L0002457 | , | L0002458 | , | L0002459 | , | L0002460 | , | L0002461 | , |
| L0002462 | , | L0002463 | , | | | | | | | | |
| L0002464 | , | L0002465 | , | L0002466 | , | L0002467 | , | L0002468 | , | L0002469 | , |
| L0002470 | , | L0002471 | , | | | | | | | | |
| L0002472 | , | L0002473 | , | L0002474 | , | L0002475 | , | L0002476 | , | L0002477 | , |
| L0002478 | , | L0002479 | , | | | | | | | | |
| L0002480 | , | L0002481 | , | L0002482 | , | L0002483 | , | L0002484 | , | L0002485 | , |
| L0002486 | , | L0002487 | , | | | | | | | | |
| L0002488 | , | L0002489 | , | L0002490 | , | L0002491 | , | L0002492 | , | L0002493 | , |
| L0002494 | , | L0002495 | , | | | | | | | | |
| L0002496 | , | L0002497 | , | L0002498 | , | L0002499 | , | L0002500 | , | L0002501 | , |
| L0002502 | , | L0002503 | , | | | | | | | | |
| L0002504 | , | L0002505 | , | L0002506 | , | L0002507 | , | L0002508 | , | L0002509 | , |
| L0002510 | , | L0002511 | , | | | | | | | | |
| L0002512 | , | L0002513 | , | L0002514 | , | L0002515 | , | L0002516 | , | L0002517 | , |
| L0002518 | , | L0002519 | , | | | | | | | | |
| L0002520 | , | L0002521 | , | L0002522 | , | L0002523 | , | L0002524 | , | L0002525 | , |
| L0002526 | , | L0002527 | , | | | | | | | | |
| L0002528 | , | L0002529 | , | L0002530 | , | L0002531 | , | L0002532 | , | L0002533 | , |
| L0002534 | , | L0002535 | , | | | | | | | | |
| L0002536 | , | L0002537 | , | L0002538 | , | L0002539 | , | L0002540 | , | L0002541 | , |
| L0002542 | , | L0002543 | , | | | | | | | | |
| L0002544 | , | L0002545 | , | L0002546 | , | L0002547 | , | L0002548 | , | L0002549 | , |
| L0002550 | , | L0002551 | , | | | | | | | | |
| L0002552 | , | L0002553 | , | L0002554 | , | L0002555 | , | L0002556 | , | L0002557 | , |
| L0002558 | , | L0002559 | , | | | | | | | | |
| L0002560 | , | L0002561 | , | L0002562 | , | L0002563 | , | L0002564 | , | L0002565 | , |
| L0002566 | , | L0002567 | , | | | | | | | | |
| L0002568 | , | L0002569 | , | L0002570 | , | L0002571 | , | L0002572 | , | L0002573 | , |
| L0002574 | , | L0002575 | , | | | | | | | | |

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***
 *** *** 16:27:00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

| URBAN ID | URBAN POP | SOURCE IDs |
|----------|-----------|--|
| ----- | ----- | ----- |
| L0002576 | , | L0002577 , L0002578 , L0002579 , L0002580 , L0002581 , |
| L0002582 | , | L0002583 , |
| L0002584 | , | L0002585 , L0002586 , L0002587 , L0002588 , L0002589 , |
| L0002590 | , | L0002591 , |

| | | | | | | | | | | | |
|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
| L0002592 | , | L0002593 | , | L0002594 | , | L0002595 | , | L0002596 | , | L0002597 | , |
| L0002598 | , | L0002599 | , | | | | | | | | |
| L0002600 | , | L0002601 | , | L0002602 | , | L0002603 | , | L0002604 | , | L0002605 | , |
| L0002606 | , | L0002607 | , | | | | | | | | |
| L0002608 | , | L0002609 | , | L0002610 | , | L0002611 | , | L0002612 | , | L0002613 | , |
| L0002614 | , | L0002615 | , | | | | | | | | |
| L0002616 | , | L0002617 | , | L0002618 | , | L0002619 | , | L0002620 | , | L0002621 | , |
| L0002622 | , | L0002623 | , | | | | | | | | |
| L0002624 | , | L0002625 | , | L0002626 | , | L0002627 | , | L0002628 | , | L0002629 | , |
| L0002630 | , | L0002631 | , | | | | | | | | |
| L0002632 | , | L0002633 | , | L0002634 | , | L0002635 | , | L0002636 | , | L0002637 | , |
| L0002638 | , | L0002639 | , | | | | | | | | |
| L0002640 | , | L0002641 | , | L0002642 | , | L0002643 | , | L0002644 | , | L0002645 | , |
| L0002646 | , | L0002647 | , | | | | | | | | |
| L0002648 | , | L0002649 | , | L0002650 | , | L0002651 | , | L0002652 | , | L0002653 | , |
| L0002654 | , | L0002655 | , | | | | | | | | |
| L0002656 | , | L0002657 | , | L0002658 | , | L0002659 | , | L0002660 | , | L0002661 | , |
| L0002662 | , | L0002663 | , | | | | | | | | |
| L0002664 | , | L0002665 | , | L0002666 | , | L0002667 | , | L0002668 | , | L0002669 | , |
| L0002670 | , | L0002671 | , | | | | | | | | |
| L0002672 | , | L0002673 | , | L0002674 | , | L0002675 | , | L0002676 | , | L0002677 | , |
| L0002678 | , | L0002679 | , | | | | | | | | |
| L0002680 | , | L0002681 | , | L0002682 | , | L0002683 | , | L0002684 | , | L0002685 | , |
| L0002686 | , | L0002687 | , | | | | | | | | |
| L0002688 | , | L0002689 | , | L0002690 | , | L0002691 | , | L0002692 | , | L0002693 | , |
| L0002694 | , | L0002695 | , | | | | | | | | |
| L0002696 | , | L0002697 | , | L0002698 | , | L0002699 | , | L0002700 | , | L0002701 | , |
| L0002702 | , | L0002703 | , | | | | | | | | |
| L0002704 | , | L0002705 | , | L0002706 | , | L0002707 | , | L0002708 | , | L0002709 | , |
| L0002710 | , | L0002711 | , | | | | | | | | |
| L0002712 | , | L0002713 | , | L0002714 | , | L0002715 | , | L0002716 | , | L0002717 | , |
| L0002718 | , | L0002719 | , | | | | | | | | |
| L0002720 | , | L0002721 | , | L0002722 | , | L0002723 | , | L0002724 | , | L0002725 | , |
| L0002726 | , | L0002727 | , | | | | | | | | |
| L0002728 | , | L0002729 | , | L0002730 | , | L0002731 | , | L0002732 | , | L0002733 | , |
| L0002734 | , | L0002735 | , | | | | | | | | |

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
***
*** 16:27:00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

| | | | | | | | | | | | |
|----------|---|----------|---|----------|---|----------|---|----------|---|----------|---|
| L0002736 | , | L0002737 | , | L0002738 | , | L0002739 | , | L0002740 | , | L0002741 | , |
| L0002742 | , | L0002743 | , | | | | | | | | |
| L0002744 | , | L0002745 | , | L0002746 | , | L0002747 | , | L0002748 | , | L0002749 | , |
| L0002750 | , | L0002751 | , | | | | | | | | |
| L0002752 | , | L0002753 | , | L0002754 | , | L0002755 | , | L0002756 | , | L0002757 | , |
| L0002758 | , | L0002759 | , | | | | | | | | |
| L0002760 | , | L0002761 | , | L0002762 | , | L0002763 | , | L0002764 | , | L0002765 | , |
| L0002766 | , | L0002767 | , | | | | | | | | |
| L0002768 | , | L0002769 | , | L0002770 | , | L0002771 | , | L0002772 | , | L0002773 | , |
| L0002774 | , | L0002775 | , | | | | | | | | |
| L0002776 | , | L0002777 | , | L0002778 | , | L0002779 | , | L0002780 | , | L0002781 | , |
| L0002782 | , | L0002783 | , | | | | | | | | |
| L0002784 | , | L0002785 | , | L0002786 | , | L0002787 | , | L0002788 | , | L0002789 | , |
| L0002790 | , | L0002791 | , | | | | | | | | |
| L0002792 | , | L0002793 | , | L0002794 | , | L0002795 | , | L0002796 | , | L0002797 | , |
| L0002798 | , | L0002799 | , | | | | | | | | |
| L0002800 | , | L0002801 | , | L0002802 | , | L0002803 | , | L0002804 | , | L0002805 | , |
| L0002806 | , | L0002807 | , | | | | | | | | |
| L0002808 | , | L0002809 | , | L0002810 | , | L0002811 | , | L0002812 | , | L0002813 | , |
| L0002814 | , | L0002815 | , | | | | | | | | |
| L0002816 | , | L0002817 | , | L0002818 | , | L0002819 | , | L0002820 | , | L0002821 | , |
| L0002822 | , | L0002823 | , | | | | | | | | |
| L0002824 | , | L0002825 | , | L0002826 | , | L0002827 | , | L0002828 | , | L0002829 | , |
| L0002830 | , | L0002831 | , | | | | | | | | |
| L0002832 | , | L0002833 | , | L0002834 | , | L0002835 | , | L0002836 | , | L0002837 | , |
| L0002838 | , | L0002839 | , | | | | | | | | |
| L0002840 | , | L0002841 | , | L0002842 | , | L0002843 | , | L0002844 | , | L0002845 | , |
| L0002846 | , | L0002847 | , | | | | | | | | |
| L0002848 | , | L0002849 | , | L0002850 | , | L0002851 | , | L0002852 | , | L0002853 | , |
| L0002854 | , | L0002855 | , | | | | | | | | |
| L0002856 | , | L0002857 | , | L0002858 | , | L0002859 | , | L0002860 | , | L0002861 | , |
| L0002862 | , | L0002863 | , | | | | | | | | |
| L0002864 | , | L0002865 | , | L0002866 | , | L0002867 | , | L0002868 | , | L0002869 | , |
| L0002870 | , | L0002871 | , | | | | | | | | |
| L0002872 | , | L0002873 | , | L0002874 | , | L0002875 | , | L0002876 | , | L0002877 | , |
| L0002878 | , | L0002879 | , | | | | | | | | |
| L0002880 | , | L0002881 | , | L0002882 | , | L0002883 | , | L0002884 | , | | |

 *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23
 *** AERMET - VERSION 16216 ***

*** 16:27:00

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

| | |
|--|--|
| (475146.6, 3744202.5, 493.9, 493.9, 0.0); | (475113.0, 3744175.7, 495.1, 495.1, 0.0); |
| (475037.5, 3744171.1, 499.7, 499.7, 0.0); | (475003.3, 3744194.3, 500.8, 513.0, 0.0); |
| (474973.8, 3744217.1, 503.2, 513.0, 0.0); | (475158.9, 3744265.7, 493.0, 493.0, 0.0); |
| (475561.0, 3744189.8, 479.1, 479.1, 0.0); | (475620.6, 3744192.9, 478.3, 478.3, 0.0); |
| (476022.0, 3744121.5, 471.0, 471.0, 0.0); | (476021.4, 3744054.7, 471.9, 471.9, 0.0); |
| (476034.9, 3743961.1, 471.0, 471.0, 0.0); | (476034.4, 3743833.7, 471.0, 471.0, 0.0); |
| (475059.3, 3743678.9, 487.3, 487.3, 0.0); | (475048.5, 3743620.0, 488.5, 488.5, 0.0); |
| (475935.5, 3743551.9, 471.4, 471.4, 0.0); | (475683.5, 3743480.9, 475.3, 475.3, 0.0); |
| (475443.7, 3743717.1, 477.2, 477.2, 0.0); | (475706.7, 3743746.2, 476.0, 476.0, 0.0); |
| (475941.5, 3743535.1, 471.0, 471.0, 0.0); | (475815.8, 3743304.0, 476.8, 476.8, 0.0); |
| (475933.0, 3743505.3, 471.0, 471.0, 0.0); | (475933.8, 3743472.8, 472.1, 472.1, 0.0); |
| (475940.2, 3743429.0, 472.7, 472.7, 0.0); | (475935.8, 3743407.7, 472.8, 472.8, 0.0); |
| (475896.4, 3743329.8, 474.2, 474.2, 0.0); | (476014.3, 3743338.2, 473.6, 473.6, 0.0); |
| (474177.2, 3743537.2, 514.0, 514.0, 0.0); | (474175.6, 3743395.7, 513.0, 513.0, 0.0); |
| (474176.4, 3743645.1, 512.8, 512.8, 0.0); | (474425.9, 3743758.7, 513.6, 513.6, 0.0); |
| (474577.7, 3743867.1, 505.1, 505.1, 0.0); | (474590.6, 3743989.2, 512.7, 512.7, 0.0); |
| (474592.2, 3744075.9, 512.0, 543.0, 0.0); | (474915.5, 3744193.7, 504.6, 519.0, 0.0); |
| (474841.1, 3744193.1, 511.7, 519.0, 0.0); | (475376.6, 3744371.8, 486.3, 486.3, 0.0); |
| (475878.5, 3744298.5, 472.7, 472.7, 0.0); | (475682.8, 3744476.5, 473.2, 473.2, 0.0); |
| (475728.9, 3744369.5, 474.2, 474.2, 0.0); | (473300.3, 3743374.6, 513.4, 513.4, 0.0); |
| (473285.3, 3743456.1, 514.3, 514.3, 0.0); | (473563.1, 3744593.4, 512.0, 512.0, 0.0); |
| (473693.9, 3744822.4, 513.9, 513.9, 0.0); | (473729.9, 3744880.8, 514.0, 514.0, 0.0); |
| (473723.3, 3744920.3, 514.0, 514.0, 0.0); | (477058.5, 3744344.8, 455.0, 455.0, 0.0); |
| (477121.4, 3744258.3, 455.0, 455.0, 0.0); | (476222.8, 3744351.2, 467.0, 467.0, 0.0); |
| (475778.6, 3744875.9, 472.0, 472.0, 0.0); | (476245.5, 3744901.1, 463.5, 463.5, 0.0); |
| (475789.7, 3745945.0, 466.9, 466.9, 0.0); | (475799.5, 3745896.1, 467.3, 467.3, 0.0); |
| (475900.8, 3745941.6, 465.0, 465.0, 0.0); | (475591.2, 3746890.0, 468.5, 468.5, 0.0); |
| (475669.1, 3747051.5, 465.7, 465.7, 0.0); | (476084.8, 3746869.7, 459.8, 459.8, 0.0); |
| (475792.5, 3746462.0, 466.3, 466.3, 0.0); | (475784.6, 3745725.9, 467.8, 467.8, 0.0); |
| (476282.7, 3745000.2, 463.0, 463.0, 0.0); | (476520.7, 3744159.9, 463.0, 463.0, 0.0); |
| (475764.1, 3744381.2, 473.8, 473.8, 0.0); | (475934.7, 3743371.0, 473.3, 473.3, 0.0); |
| (475964.8, 3743368.5, 472.6, 472.6, 0.0); | (475769.9, 3743487.6, |

```
*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091  
MVCC\15091 MVC ***                  08/21/23  
*** AERMET - VERSION 16216 ***  
***                                *** 16:27:00
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[illegible]

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PF *** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***                      08/21/23
*** AERMET - VERSION 16216 ***
***                                     *** 16:27:00

```

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Met

Profile format:
FREE

Surface station no.: 3171
Name: UNKNOWN
UNKNOWN
Year: 2010

Upper air station no.: 3190
Name:
Year: 2010

First 24 hours of scalar data

| YR | MO | DY | JDY | HR | H0 | U* | W* | DT/DZ | ZICNV | ZIMCH | M-O | LEN | Z0 | BOWEN | ALBEDO | REF | WS |
|------|----|----|-----|-----|-------|-------|--------|--------|-------|-------|-----|-------|------|-------|--------|------|----|
| WD | | | | HT | REF | TA | HT | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 01 | -7.9 | 0.125 | -9.000 | -9.000 | -999. | 106. | | 21.2 | 0.19 | 0.61 | 1.00 | 1.30 | |
| 335. | | | | 9.1 | 282.5 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 02 | -3.9 | 0.088 | -9.000 | -9.000 | -999. | 62. | | 15.1 | 0.19 | 0.61 | 1.00 | 0.90 | |
| 142. | | | | 9.1 | 280.9 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 03 | -3.9 | 0.088 | -9.000 | -9.000 | -999. | 62. | | 15.1 | 0.19 | 0.61 | 1.00 | 0.90 | |
| 324. | | | | 9.1 | 280.4 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 04 | -1.3 | 0.064 | -9.000 | -9.000 | -999. | 39. | | 18.3 | 0.19 | 0.61 | 1.00 | 0.40 | |
| 294. | | | | 9.1 | 278.8 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 05 | -3.9 | 0.088 | -9.000 | -9.000 | -999. | 62. | | 15.0 | 0.19 | 0.61 | 1.00 | 0.90 | |
| 205. | | | | 9.1 | 278.1 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 06 | -1.3 | 0.065 | -9.000 | -9.000 | -999. | 39. | | 18.3 | 0.19 | 0.61 | 1.00 | 0.40 | |
| 3. | | | | 9.1 | 277.0 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 07 | -8.0 | 0.125 | -9.000 | -9.000 | -999. | 106. | | 21.0 | 0.19 | 0.61 | 1.00 | 1.30 | |
| 99. | | | | 9.1 | 277.0 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 08 | -3.3 | 0.086 | -9.000 | -9.000 | -999. | 61. | | 16.8 | 0.19 | 0.61 | 0.54 | 0.90 | |
| 319. | | | | 9.1 | 278.8 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 09 | 20.1 | 0.128 | 0.307 | 0.010 | 49. | 110. | | -9.0 | 0.19 | 0.61 | 0.33 | 0.90 | |
| 239. | | | | 9.1 | 284.2 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 10 | 56.7 | 0.087 | 0.560 | 0.010 | 107. | 62. | | -1.0 | 0.19 | 0.61 | 0.26 | 0.40 | |
| 188. | | | | 9.1 | 289.2 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 11 | 81.5 | 0.323 | 0.867 | 0.008 | 277. | 441. | | -35.9 | 0.19 | 0.61 | 0.23 | 2.70 | |
| 310. | | | | 9.1 | 290.9 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 12 | 97.1 | 0.281 | 1.058 | 0.008 | 421. | 357. | | -19.7 | 0.19 | 0.61 | 0.22 | 2.20 | |
| 357. | | | | 9.1 | 293.1 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 13 | 92.2 | 0.279 | 1.117 | 0.008 | 523. | 354. | | -20.4 | 0.19 | 0.61 | 0.22 | 2.20 | |
| 356. | | | | 9.1 | 293.8 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 14 | 77.6 | 0.275 | 1.102 | 0.008 | 595. | 347. | | -23.2 | 0.19 | 0.61 | 0.23 | 2.20 | |
| 50. | | | | 9.1 | 294.2 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 15 | 54.9 | 0.230 | 1.006 | 0.008 | 640. | 266. | | -19.2 | 0.19 | 0.61 | 0.27 | 1.80 | |
| 53. | | | | 9.1 | 293.8 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 16 | 12.3 | 0.206 | 0.613 | 0.008 | 648. | 225. | | -61.5 | 0.19 | 0.61 | 0.36 | 1.80 | |
| 11. | | | | 9.1 | 292.5 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 17 | -3.6 | 0.087 | -9.000 | -9.000 | -999. | 71. | | 15.6 | 0.19 | 0.61 | 0.64 | 0.90 | |
| 351. | | | | 9.1 | 290.4 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 18 | -3.8 | 0.087 | -9.000 | -9.000 | -999. | 62. | | 15.2 | 0.19 | 0.61 | 1.00 | 0.90 | |
| 186. | | | | 9.1 | 287.5 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 19 | -3.8 | 0.087 | -9.000 | -9.000 | -999. | 62. | | 15.2 | 0.19 | 0.61 | 1.00 | 0.90 | |
| 275. | | | | 9.1 | 285.9 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 20 | -1.2 | 0.064 | -9.000 | -9.000 | -999. | 39. | | 18.1 | 0.19 | 0.61 | 1.00 | 0.40 | |
| 181. | | | | 9.1 | 285.4 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 21 | -7.8 | 0.125 | -9.000 | -9.000 | -999. | 106. | | 21.3 | 0.19 | 0.61 | 1.00 | 1.30 | |
| 318. | | | | 9.1 | 284.9 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 22 | -3.8 | 0.088 | -9.000 | -9.000 | -999. | 62. | | 15.1 | 0.19 | 0.61 | 1.00 | 0.90 | |
| 196. | | | | 9.1 | 283.1 | 5.5 | | | | | | | | | | | |
| 10 | 01 | 01 | 1 | 23 | -3.8 | 0.088 | -9.000 | -9.000 | -999. | 62. | | 15.1 | 0.19 | 0.61 | 1.00 | 0.90 | |

330. 9.1 281.4 5.5
 10 01 01 1 24 -7.9 0.125 -9.000 -9.000 -999. 106. 21.2 0.19 0.61 1.00 1.30
 332. 9.1 280.9 5.5

First hour of profile data

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

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

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 MVCC\15091 MVC *** 08/21/23

*** AERMET - VERSION 16216 ***

*** 16:27:00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): 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 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD |
|-------------|-------------|---------|-------------|---------|
| 475146.64 | 3744202.50 | 0.00155 | 475112.97 | |
| 3744175.66 | 0.00159 | | | |
| 475037.46 | 3744171.11 | 0.00124 | 475003.34 | |
| 3744194.31 | 0.00092 | | | |
| 474973.77 | 3744217.06 | 0.00074 | 475158.92 | |
| 3744265.73 | 0.00124 | | | |
| 475561.05 | 3744189.76 | 0.00333 | 475620.65 | |
| 3744192.95 | 0.00302 | | | |
| 476022.00 | 3744121.55 | 0.00122 | 476021.40 | |
| 3744054.73 | 0.00106 | | | |
| 476034.92 | 3743961.08 | 0.00093 | 476034.44 | |
| 3743833.66 | 0.00087 | | | |
| 475059.35 | 3743678.88 | 0.00091 | 475048.50 | |
| 3743620.04 | 0.00075 | | | |
| 475935.55 | 3743551.90 | 0.00087 | 475683.50 | |
| 3743480.93 | 0.00105 | | | |
| 475443.74 | 3743717.06 | 0.00313 | 475706.71 | |
| 3743746.17 | 0.00345 | | | |
| 475941.47 | 3743535.07 | 0.00084 | 475815.76 | |
| 3743304.00 | 0.00088 | | | |
| 475932.99 | 3743505.26 | 0.00083 | 475933.83 | |
| 3743472.84 | 0.00081 | | | |
| 475940.25 | 3743428.98 | 0.00081 | 475935.78 | |
| 3743407.74 | 0.00085 | | | |
| 475896.38 | 3743329.79 | 0.00133 | 476014.30 | |
| 3743338.17 | 0.00143 | | | |
| 474177.19 | 3743537.24 | 0.00012 | 474175.64 | |

| | | | |
|------------|------------|---------|-----------|
| 3743395.68 | 0.00011 | | |
| 474176.41 | 3743645.14 | 0.00013 | 474425.93 |
| 3743758.69 | 0.00018 | | |
| 474577.72 | 3743867.11 | 0.00027 | 474590.57 |
| 3743989.17 | 0.00029 | | |
| 474592.18 | 3744075.89 | 0.00035 | 474915.52 |
| 3744193.66 | 0.00071 | | |
| 474841.11 | 3744193.13 | 0.00057 | 475376.61 |
| 3744371.75 | 0.00116 | | |
| 475878.54 | 3744298.48 | 0.00111 | 475682.76 |
| 3744476.50 | 0.00077 | | |
| 475728.87 | 3744369.46 | 0.00103 | 473300.31 |
| 3743374.59 | 0.00005 | | |
| 473285.29 | 3743456.06 | 0.00005 | 473563.14 |
| 3744593.37 | 0.00007 | | |
| 473693.91 | 3744822.42 | 0.00007 | 473729.89 |
| 3744880.84 | 0.00007 | | |
| 473723.32 | 3744920.30 | 0.00007 | 477058.55 |
| 3744344.84 | 0.00018 | | |
| 477121.37 | 3744258.35 | 0.00017 | 476222.79 |
| 3744351.21 | 0.00139 | | |
| 475778.58 | 3744875.95 | 0.00033 | 476245.48 |
| 3744901.08 | 0.00042 | | |
| 475789.67 | 3745945.04 | 0.00015 | 475799.52 |
| 3745896.10 | 0.00015 | | |
| 475900.79 | 3745941.65 | 0.00021 | 475591.16 |
| 3746890.01 | 0.00012 | | |
| 475669.11 | 3747051.55 | 0.00008 | 476084.82 |
| 3746869.67 | 0.00008 | | |
| 475792.51 | 3746462.05 | 0.00018 | 475784.60 |
| 3745725.90 | 0.00014 | | |
| 476282.68 | 3745000.17 | 0.00032 | 476520.67 |
| 3744159.93 | 0.00036 | | |
| 475764.14 | 3744381.17 | 0.00096 | 475934.73 |
| 3743371.00 | 0.00109 | | |
| 475964.80 | 3743368.46 | 0.00112 | 475769.93 |
| 3743487.62 | 0.00144 | | |
| 476951.79 | 3743309.79 | 0.00057 | 477009.01 |
| 3743353.61 | 0.00076 | | |
| 477061.89 | 3742955.92 | 0.00042 | 477123.11 |
| 3742856.31 | 0.00056 | | |
| 477212.21 | 3742907.75 | 0.00038 | 477036.90 |
| 3742768.30 | 0.00024 | | |
| 477016.26 | 3742710.71 | 0.00021 | 477016.98 |
| 3742673.40 | 0.00020 | | |
| 477017.71 | 3742623.78 | 0.00019 | 477022.78 |
| 3742560.76 | 0.00018 | | |
| 474679.33 | 3744187.71 | 0.00049 | 474582.07 |
| 3744195.73 | 0.00040 | | |
| 474323.38 | 3744184.20 | 0.00038 | 474486.81 |
| 3744187.21 | 0.00040 | | |
| 474282.27 | 3744129.55 | 0.00047 | 474448.21 |
| 3744117.52 | 0.00042 | | |

RR *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
 MVCC\15091 MVC *** 08/21/23
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 *** *** 16:27:00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43824 HRS) AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0001484 , L0001485 ,
 L0001486 , L0001487 , L0001488 ,
 L0001489 , L0001490 , L0001491 , L0001492 , L0001493 ,

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L0001494 , L0001495 , L0001496 ,
L0001497 , L0001498 , L0001499 , L0001500 , L0001501 ,
L0001502 , L0001503 , L0001504 ,
L0001505 , L0001506 , L0001507 , L0001508 , L0001509 ,
L0001510 , L0001511 , . . . ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

```

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

```

| X-COORD (M) | Y-COORD (M) | CONC | X-COORD (M) | Y-COORD |
|-------------|-------------|---------|-------------|---------|
| 474223.61 | 3744174.17 | 0.00041 | | |

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*** AERMOD - VERSION 22112 ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC ***               08/21/23
*** AERMET - VERSION 16216 ***
***                               *** 16:27:00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE SUMMARY OF MAXIMUM PERIOD (43824 HRS) RESULTS ***

```

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

```

| GROUP ID | NETWORK | AVERAGE CONC | RECEPTOR (XR, YR, ZELEV, ZHILL, |
|----------|-----------------------|--------------|---------------------------------|
| ZFLAG) | OF TYPE GRID-ID | | |
| ALL | 1ST HIGHEST VALUE IS | 0.00345 AT (| 475706.71, 3743746.17, 476.00, |
| 476.00, | 0.00) DC | | |
| | 2ND HIGHEST VALUE IS | 0.00333 AT (| 475561.05, 3744189.76, 479.06, |
| | 479.06, 0.00) DC | | |
| | 3RD HIGHEST VALUE IS | 0.00313 AT (| 475443.74, 3743717.06, 477.21, |
| | 477.21, 0.00) DC | | |
| | 4TH HIGHEST VALUE IS | 0.00302 AT (| 475620.65, 3744192.95, 478.31, |
| | 478.31, 0.00) DC | | |
| | 5TH HIGHEST VALUE IS | 0.00159 AT (| 475112.97, 3744175.66, 495.14, |
| | 495.14, 0.00) DC | | |
| | 6TH HIGHEST VALUE IS | 0.00155 AT (| 475146.64, 3744202.50, 493.90, |
| | 493.90, 0.00) DC | | |
| | 7TH HIGHEST VALUE IS | 0.00144 AT (| 475769.93, 3743487.62, 474.74, |
| | 474.74, 0.00) DC | | |
| | 8TH HIGHEST VALUE IS | 0.00143 AT (| 476014.30, 3743338.17, 473.60, |
| | 473.60, 0.00) DC | | |
| | 9TH HIGHEST VALUE IS | 0.00139 AT (| 476222.79, 3744351.21, 467.00, |
| | 467.00, 0.00) DC | | |
| | 10TH HIGHEST VALUE IS | 0.00133 AT (| 475896.38, 3743329.79, 474.23, |
| | 474.23, 0.00) DC | | |

```

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

```


*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\15091 MVCC\15091
MVCC\15091 MVC *** 08/21/23
*** AERMET - VERSION 16216 ***
*** *** 16:27:00

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

----- Summary of Total Messages -----

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

***** WARNING MESSAGES *****
ME W186 2537 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 2537 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 ***

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APPENDIX 2.4:

RISK CALCULATIONS

Construction Risk

| Receptor No. | Age Bin | DPM Conc. (µg/m³) | Exposure Frequency (days) | Exposure Duration (years) | Inhalation Rate (L/kg-day) | Inhalation Absorption Factor | Averaging Time (years) | FAH | ASF | Cancer Risk | | | | Non-Cancer Risk | | | | | | | | | |
|--------------|----------|-------------------|---------------------------|---------------------------|----------------------------|------------------------------|------------------------|------|-----|-------------|---------|---------|--------------------|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|--|
| | | | | | | | | | | URF | CPF | Dose | Risk (per million) | REL | RfD | RESP | CNS/PNS | CV/BL | IMMUN | KIDN | REPRO | EYES | |
| 1 | 0 to 2 | 0.00221 | 250 | 1.28 | 1090 | 1 | 70 | 1.00 | 10 | 3.0E-04 | 1.1E+00 | 1.6E-06 | 0.32 | 5.0E+00 | 1.4E-03 | 4.4E-04 | | | | | | | |
| | Total | | | | | | | | | | 0.32 | | | 4.4E-04 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | | |
| 2 | 0 to 2 | 0.00575 | 250 | 1.28 | 1090 | 1 | 70 | 1.00 | 10 | 3.0E-04 | 1.1E+00 | 4.3E-06 | 0.82 | 5.0E+00 | 1.4E-03 | 1.2E-03 | | | | | | | |
| | Total | | | | | | | | | | 0.82 | | | 1.2E-03 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | |
| 3 | 0 to 2 | 0.00690 | 250 | 1.28 | 1090 | 1 | 70 | 1.00 | 10 | 3.0E-04 | 1.1E+00 | 5.2E-06 | 0.99 | 5.0E+00 | 1.4E-03 | 1.4E-03 | | | | | | | |
| | Total | | | | | | | | | | 0.99 | | | 1.4E-03 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | |
| 4 (MEIR) | 0 to 2 | 0.00976 | 250 | 1.28 | 1090 | 1 | 70 | 1.00 | 10 | 3.0E-04 | 1.1E+00 | 7.3E-06 | 1.40 | 5.0E+00 | 1.4E-03 | 2.0E-03 | | | | | | | |
| | Total | | | | | | | | | | 1.40 | | | 2.0E-03 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | |
| 5 | 0 to 2 | 0.00551 | 250 | 1.28 | 1090 | 1 | 70 | 1.00 | 10 | 3.0E-04 | 1.1E+00 | 4.1E-06 | 0.79 | 5.0E+00 | 1.4E-03 | 1.1E-03 | | | | | | | |
| | Total | | | | | | | | | | 0.79 | | | 1.1E-03 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | |
| 6 (MEIW) | 16 to 41 | 0.00161 | 250 | 1.28 | 230 | 1 | 70 | 1.00 | 1 | 3.0E-04 | 1.1E+00 | 2.5E-07 | 0.00 | 5.0E+00 | 1.4E-03 | 3.2E-04 | | | | | | | |
| | Total | | | | | | | | | | 0.00 | | | 3.2E-04 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | |
| MEISC | 4 to 13 | 0.00096 | 180 | 1.28 | 572 | 1 | 70 | 1.00 | 3 | 3.0E-04 | 1.1E+00 | 2.7E-07 | 0.02 | 5.0E+00 | 1.4E-03 | 1.9E-04 | | | | | | | |
| | Total | | | | | | | | | | 0.02 | | | 1.9E-04 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | |

Operational Risk

| Receptor No. | Age Bin | DPM Conc. (µg/m³) | Exposure Frequency (days) | Exposure Duration (years) | Inhalation Rate (L/kg-day) | Inhalation Absorption Factor | Averaging Time (years) | FAH | ASF | Cancer Risk | | | | Non-Cancer Risk | | | | | | | | |
|--------------|------------|-------------------|---------------------------|---------------------------|----------------------------|------------------------------|------------------------|------|-----|-------------|---------|---------|--------------------|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | | | | | | | | | URF | CPF | Dose | Risk (per million) | REL | RfD | RESP | CNS/PNS | CV/BL | IMMUN | KIDN | REPRO | EYES |
| 1 | -0.25 to 0 | 0.00155 | 350 | 0.25 | 361 | 1 | 70 | 0.85 | 10 | 3.0E-04 | 1.1E+00 | 5.4E-07 | 0.02 | 5.0E+00 | 1.4E-03 | 3.1E-04 | | | | | | |
| | 0 to 2 | 0.00155 | 350 | 2 | 1090 | 1 | 70 | 0.85 | 10 | 3.0E-04 | 1.1E+00 | 1.6E-06 | 0.41 | 5.0E+00 | 1.4E-03 | 3.1E-04 | | | | | | |
| | 2 to 16 | 0.00155 | 350 | 14 | 572 | 1 | 70 | 0.72 | 3 | 3.0E-04 | 1.1E+00 | 8.5E-07 | 0.39 | 5.0E+00 | 1.4E-03 | 3.1E-04 | | | | | | |
| | 16 to 30 | 0.00155 | 350 | 14 | 261 | 1 | 70 | 0.73 | 1 | 3.0E-04 | 1.1E+00 | 3.9E-07 | 0.06 | 5.0E+00 | 1.4E-03 | 3.1E-04 | | | | | | |
| | Total | | | | | | | | | | | | 0.88 | | | 1.2E-03 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 |
| 2 | -0.25 to 0 | 0.00333 | 350 | 0.25 | 361 | 1 | 70 | 0.85 | 10 | 3.0E-04 | 1.1E+00 | 1.2E-06 | 0.04 | 5.0E+00 | 1.4E-03 | 6.7E-04 | | | | | | |
| | 0 to 2 | 0.00333 | 350 | 2 | 1090 | 1 | 70 | 0.85 | 10 | 3.0E-04 | 1.1E+00 | 3.5E-06 | 0.89 | 5.0E+00 | 1.4E-03 | 6.7E-04 | | | | | | |
| | 2 to 16 | 0.00333 | 350 | 14 | 572 | 1 | 70 | 0.72 | 3 | 3.0E-04 | 1.1E+00 | 1.8E-06 | 0.83 | 5.0E+00 | 1.4E-03 | 6.7E-04 | | | | | | |
| | 16 to 30 | 0.00333 | 350 | 14 | 261 | 1 | 70 | 0.73 | 1 | 3.0E-04 | 1.1E+00 | 8.3E-07 | 0.13 | 5.0E+00 | 1.4E-03 | 6.7E-04 | | | | | | |
| | Total | | | | | | | | | | | | 1.88 | | | 2.7E-03 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 |
| 3 (MEIR) | -0.25 to 0 | 0.00345 | 350 | 0.25 | 361 | 1 | 70 | 0.85 | 10 | 3.0E-04 | 1.1E+00 | 1.2E-06 | 0.04 | 5.0E+00 | 1.4E-03 | 6.9E-04 | | | | | | |
| | 0 to 2 | 0.00345 | 350 | 2 | 1090 | 1 | 70 | 0.85 | 10 | 3.0E-04 | 1.1E+00 | 3.6E-06 | 0.92 | 5.0E+00 | 1.4E-03 | 6.9E-04 | | | | | | |
| | 2 to 16 | 0.00345 | 350 | 14 | 572 | 1 | 70 | 0.72 | 3 | 3.0E-04 | 1.1E+00 | 1.9E-06 | 0.86 | 5.0E+00 | 1.4E-03 | 6.9E-04 | | | | | | |
| | 16 to 30 | 0.00345 | 350 | 14 | 261 | 1 | 70 | 0.73 | 1 | 3.0E-04 | 1.1E+00 | 8.6E-07 | 0.13 | 5.0E+00 | 1.4E-03 | 6.9E-04 | | | | | | |
| | Total | | | | | | | | | | | | 1.95 | | | 2.8E-03 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 |
| 4 | -0.25 to 0 | 0.00313 | 350 | 0.25 | 361 | 1 | 70 | 0.85 | 10 | 3.0E-04 | 1.1E+00 | 1.1E-06 | 0.03 | 5.0E+00 | 1.4E-03 | 6.3E-04 | | | | | | |
| | 0 to 2 | 0.00313 | 350 | 2 | 1090 | 1 | 70 | 0.85 | 10 | 3.0E-04 | 1.1E+00 | 3.3E-06 | 0.83 | 5.0E+00 | 1.4E-03 | 6.3E-04 | | | | | | |
| | 2 to 16 | 0.00313 | 350 | 14 | 572 | 1 | 70 | 0.72 | 3 | 3.0E-04 | 1.1E+00 | 1.7E-06 | 0.78 | 5.0E+00 | 1.4E-03 | 6.3E-04 | | | | | | |
| | 16 to 30 | 0.00313 | 350 | 14 | 261 | 1 | 70 | 0.73 | 1 | 3.0E-04 | 1.1E+00 | 7.8E-07 | 0.12 | 5.0E+00 | 1.4E-03 | 6.3E-04 | | | | | | |
| | Total | | | | | | | | | | | | 1.77 | | | 2.5E-03 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 |
| 5 | -0.25 to 0 | 0.00091 | 350 | 0.25 | 361 | 1 | 70 | 0.85 | 10 | 3.0E-04 | 1.1E+00 | 3.2E-07 | 0.01 | 5.0E+00 | 1.4E-03 | 1.8E-04 | | | | | | |
| | 0 to 2 | 0.00091 | 350 | 2 | 1090 | 1 | 70 | 0.85 | 10 | 3.0E-04 | 1.1E+00 | 9.5E-07 | 0.24 | 5.0E+00 | 1.4E-03 | 1.8E-04 | | | | | | |
| | 2 to 16 | 0.00091 | 350 | 14 | 572 | 1 | 70 | 0.72 | 3 | 3.0E-04 | 1.1E+00 | 5.0E-07 | 0.23 | 5.0E+00 | 1.4E-03 | 1.8E-04 | | | | | | |
| | 16 to 30 | 0.00091 | 350 | 14 | 261 | 1 | 70 | 0.73 | 1 | 3.0E-04 | 1.1E+00 | 2.3E-07 | 0.03 | 5.0E+00 | 1.4E-03 | 1.8E-04 | | | | | | |
| | Total | | | | | | | | | | | | 0.51 | | | 7.3E-04 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 |
| 6 (MEIW) | 16 to 41 | 0.00122 | 250 | 25 | 230 | 1 | 70 | 1.00 | 1 | 3.0E-04 | 1.1E+00 | 1.9E-07 | 0.07 | 5.0E+00 | 1.4E-03 | 2.4E-04 | | | | | | |
| MEISC | Total | | | | | | | | | | | | 0.07 | | | 2.4E-04 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 |
| | 4 to 13 | 0.00077 | 180 | 9.00 | 572 | 1 | 70 | 1.00 | 3 | 3.0E-04 | 1.1E+00 | 2.2E-07 | 0.09 | 5.0E+00 | 1.4E-03 | 1.5E-04 | | | | | | |
| Total | | | | | | | | | | | | | 0.09 | | | 1.5E-04 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 |

Combined Construction and Operational Risk

| Receptor No. | Age Bin | DPM Conc. (µg/m³) | Exposure Frequency (days) | Exposure Duration (years) | Inhalation Rate (L/kg-day) | Inhalation Absorption Factor | Averaging Time (years) | FAH | ASF | Cancer Risk | | | | Non-Cancer Risk | | | | | | | | |
|--------------|----------|-------------------|---------------------------|---------------------------|----------------------------|------------------------------|------------------------|------|-----|-------------|---------|---------|--------------------|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | | | | | | | | | URF | CPF | Dose | Risk (per million) | REL | RfD | RESP | CNS/PNS | CV/BL | IMMUN | KIDN | REPRO | EYES |
| 1 | 0 to 2 | 0.00221 | 250 | 1.28 | 1090 | 1 | 70 | 1.00 | 10 | 3.0E-04 | 1.1E+00 | 1.6E-06 | 0.32 | 5.0E+00 | 1.4E-03 | 4.4E-04 | | | | | | |
| | 0 to 2 | 0.00155 | 350 | 0.72 | 1090 | 1 | 70 | 0.85 | 10 | 3.0E-04 | 1.1E+00 | 1.6E-06 | 0.15 | 5.0E+00 | 1.4E-03 | 3.1E-04 | | | | | | |
| | 2 to 16 | 0.00155 | 350 | 14 | 572 | 1 | 70 | 0.72 | 3 | 3.0E-04 | 1.1E+00 | 8.5E-07 | 0.39 | 5.0E+00 | 1.4E-03 | 3.1E-04 | | | | | | |
| | 16 to 30 | 0.00155 | 350 | 14 | 261 | 1 | 70 | 0.73 | 1 | 3.0E-04 | 1.1E+00 | 3.9E-07 | 0.06 | 5.0E+00 | 1.4E-03 | 3.1E-04 | | | | | | |
| | Total | | | | | | | | | | | | | 0.91 | | 1.4E-03 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 |
| 2 | 0 to 2 | 0.00575 | 250 | 1.28 | 1090 | 1 | 70 | 1.00 | 10 | 3.0E-04 | 1.1E+00 | 4.3E-06 | 0.82 | 5.0E+00 | 1.4E-03 | 1.2E-03 | | | | | | |
| | 0 to 2 | 0.00333 | 350 | 0.72 | 1090 | 1 | 70 | 0.85 | 10 | 3.0E-04 | 1.1E+00 | 3.5E-06 | 0.32 | 5.0E+00 | 1.4E-03 | 6.7E-04 | | | | | | |
| | 2 to 16 | 0.00333 | 350 | 14 | 572 | 1 | 70 | 0.72 | 3 | 3.0E-04 | 1.1E+00 | 1.8E-06 | 0.83 | 5.0E+00 | 1.4E-03 | 6.7E-04 | | | | | | |
| | 16 to 30 | 0.00333 | 350 | 14 | 261 | 1 | 70 | 0.73 | 1 | 3.0E-04 | 1.1E+00 | 8.3E-07 | 0.13 | 5.0E+00 | 1.4E-03 | 6.7E-04 | | | | | | |
| | Total | | | | | | | | | | | | | 2.10 | | 3.1E-03 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 |
| 3 | 0 to 2 | 0.00690 | 250 | 1.28 | 1090 | 1 | 70 | 1.00 | 10 | 3.0E-04 | 1.1E+00 | 5.2E-06 | 0.99 | 5.0E+00 | 1.4E-03 | 1.4E-03 | | | | | | |
| | 0 to 2 | 0.00345 | 350 | 0.72 | 1090 | 1 | 70 | 0.85 | 10 | 3.0E-04 | 1.1E+00 | 3.6E-06 | 0.33 | 5.0E+00 | 1.4E-03 | 6.9E-04 | | | | | | |
| | 2 to 16 | 0.00345 | 350 | 14 | 572 | 1 | 70 | 0.72 | 3 | 3.0E-04 | 1.1E+00 | 1.9E-06 | 0.86 | 5.0E+00 | 1.4E-03 | 6.9E-04 | | | | | | |
| | 16 to 30 | 0.00345 | 350 | 14 | 261 | 1 | 70 | 0.73 | 1 | 3.0E-04 | 1.1E+00 | 8.6E-07 | 0.13 | 5.0E+00 | 1.4E-03 | 6.9E-04 | | | | | | |
| | Total | | | | | | | | | | | | | 2.31 | | 3.5E-03 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 |
| 4 (MEIR) | 0 to 2 | 0.00976 | 250 | 1.28 | 1090 | 1 | 70 | 1.00 | 10 | 3.0E-04 | 1.1E+00 | 7.3E-06 | 1.40 | 5.0E+00 | 1.4E-03 | 2.0E-03 | | | | | | |
| | 0 to 2 | 0.00313 | 350 | 0.72 | 1090 | 1 | 70 | 0.85 | 10 | 3.0E-04 | 1.1E+00 | 3.3E-06 | 0.30 | 5.0E+00 | 1.4E-03 | 6.3E-04 | | | | | | |
| | 2 to 16 | 0.00313 | 350 | 14 | 572 | 1 | 70 | 0.72 | 3 | 3.0E-04 | 1.1E+00 | 1.7E-06 | 0.78 | 5.0E+00 | 1.4E-03 | 6.3E-04 | | | | | | |
| | 16 to 30 | 0.00313 | 350 | 14 | 261 | 1 | 70 | 0.73 | 1 | 3.0E-04 | 1.1E+00 | 7.8E-07 | 0.12 | 5.0E+00 | 1.4E-03 | 6.3E-04 | | | | | | |
| | Total | | | | | | | | | | | | | 2.60 | | 3.8E-03 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 |
| 5 | 0 to 2 | 0.00551 | 250 | 1.28 | 1090 | 1 | 70 | 1.00 | 10 | 3.0E-04 | 1.1E+00 | 4.1E-06 | 0.79 | 5.0E+00 | 1.4E-03 | 1.1E-03 | | | | | | |
| | 0 to 2 | 0.00091 | 350 | 0.72 | 1090 | 1 | 70 | 0.85 | 10 | 3.0E-04 | 1.1E+00 | 9.5E-07 | 0.09 | 5.0E+00 | 1.4E-03 | 1.8E-04 | | | | | | |
| | 2 to 16 | 0.00091 | 350 | 14 | 572 | 1 | 70 | 0.72 | 3 | 3.0E-04 | 1.1E+00 | 5.0E-07 | 0.23 | 5.0E+00 | 1.4E-03 | 1.8E-04 | | | | | | |
| | 16 to 30 | 0.00091 | 350 | 14 | 261 | 1 | 70 | 0.73 | 1 | 3.0E-04 | 1.1E+00 | 2.3E-07 | 0.03 | 5.0E+00 | 1.4E-03 | 1.8E-04 | | | | | | |
| | Total | | | | | | | | | | | | | 1.14 | | 1.6E-03 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 |
| 6 (MEIW) | 16 to 41 | 0.00161 | 250 | 1.28 | 230 | 1 | 70 | 1.00 | 1 | 3.0E-04 | 1.1E+00 | 2.5E-07 | 0.00 | 5.0E+00 | 1.4E-03 | 3.2E-04 | | | | | | |
| | 16 to 41 | 0.00122 | 250 | 23.72 | 230 | 1 | 70 | 1.00 | 1 | 3.0E-04 | 1.1E+00 | 1.9E-07 | 0.07 | 5.0E+00 | 1.4E-03 | 2.4E-04 | | | | | | |
| | Total | | | | | | | | | | | | | 0.07 | | 3.2E-04 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 |
| MEISC | 4 to 13 | 0.00096 | 180 | 1.28 | 572 | 1 | 70 | 1.00 | 3 | 3.0E-04 | 1.1E+00 | 2.7E-07 | 0.02 | 5.0E+00 | 1.4E-03 | 1.9E-04 | | | | | | |
| | 4 to 13 | 0.00077 | 180 | 7.72 | 572 | 1 | 70 | 1.00 | 3 | 3.0E-04 | 1.1E+00 | 2.2E-07 | 0.08 | 5.0E+00 | 1.4E-03 | 1.5E-04 | | | | | | |
| | Total | | | | | | | | | | | | | 0.09 | | 3.5E-04 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 | 0.0E+00 |

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