Magnolia Avenue Business Center

MOBILE SOURCE HEALTH RISK ASSESSMENT

CITY OF CORONA

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LIST OF ABBREVIATED TERMS

(1)	Reference
µg	Microgram
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
APS	Auxiliary Power System
AQMD	Air Quality Management District
ARB	Air Resources Board
CEQA	California Environmental Quality Act
CPF	Cancer Potency Factor
DPM	Diesel Particulate Matter
EMFAC	Emission Factor Model
EPA	Environmental Protection Agency
HHD	Heavy Heavy-Duty
HI	Hazard Index
HRA	Health Risk Assessment
LHD	Light Heavy-Duty
MATES	Multiple Air Toxics Exposure Study
MEIR	Maximally Exposed Individual Receptor
MEIW	Maximally Exposed Individual Worker
MHD	Medium Heavy-Duty
NAD	North American Datum
OEHHA	Office of Environmental Health Hazard Assessment
PM10	Particulate Matter 10 microns in diameter or less
Project	Magnolia Avenue Business Center
REL	Reference Exposure Level
RM	Recommended Measures
SCAQMD	South Coast Air Quality Management District
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TA	Traffic Analysis
URF	Unit Risk Factor
UTM	Universal Transverse Mercator
VMT	Vehicle Miles Traveled

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EXECUTIVE SUMMARY

This report evaluates the potential mobile-source emissions health risk impacts associated with the development of the proposed Project. More specifically, potential health risk impacts that could result from exposure to Toxic Air Contaminants (TACs), in this case, diesel particulate matter (DPM) generated by heavy-duty diesel trucks accessing the site. This section summarizes the significance criteria and Project health risks.

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

CONSTRUCTION IMPACTS

The land use with the greatest potential exposure to Project construction-source DPM emissions is Location R1 which is located approximately 149 feet north of the Project site at an existing residence located at 1410 East 6th Street. R1 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 2.73 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction activity. All other receptors during construction activity would experience less risk than what is identified for this location. The nearest modeled receptors are illustrated on Exhibit 2-D.

OPERATIONAL IMPACTS

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R1 which is located approximately 149 feet north of the Project site at an existing residence located at 1410 East 6th Street. R1 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 0.32 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance from the Project site than the MEIR analyzed herein, and TACs generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences. The nearest modeled receptors are illustrated on Exhibit 2-D.

Worker Exposure Scenario[1]*:*

The worker receptor land use with the greatest potential exposure to Project operational-source DPM emissions is Location R6, which represents the adjacent potential worker receptor approximately 130 feet south of the Project site. At the MEIW, the maximum incremental cancer risk impact is 0.11 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyzed herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The nearest modeled receptors are illustrated on Exhibit 2-D.

School Child Exposure Scenario:

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

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

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

There are no schools within ¼ mile of the Project site. The nearest school is Lincoln Fundamental Elementary School, which is located approximately 4,500 feet west of the Project site. Because there is no reasonable potential that TAC emissions would cause significant health impacts at distances of more than ¼ mile from the air pollution source, there would be no significant impacts that would occur to any schools in the vicinity of the Project.

CONSTRUCTION AND OPERATIONAL IMPACTS

The land use with the greatest potential increased cancer risk due to exposure to Project construction-source and operational-source DPM emissions is Location R1. At this location, the maximum incremental cancer risk attributable to Project construction and operational DPM

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

source emissions is estimated at 2.88 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction and operational activity. All other receptors during construction and operational activity would experience less risk than what is identified for this location. The nearest modeled receptors are illustrated on Exhibit 2-D.

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

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
0.92 Year Exposure	Maximum Exposed Sensitive Receptor	2.73	10	NO
Time Period	**Location**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
Annual Average	Maximum Exposed Sensitive Receptor	≤0.01	1.0	NO

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

Time Period	Location	Maximum Lifetime Cancer Risk (Risk per Million)	Significance Threshold (Risk per Million)	Exceeds Significance Threshold
30 Year Exposure	Maximum Exposed Sensitive Receptor	0.32	10	NO
25 Year Exposure	Maximum Exposed Worker Receptor	0.11	10	NO
Time Period	**Location**	**Maximum Hazard Index**	**Significance Threshold**	**Exceeds Significance Threshold**
Annual Average	Maximum Exposed Sensitive Receptor	≤0.01	1.0	NO
Annual Average	Maximum Exposed Worker Receptor	≤0.01	1.0	NO

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

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	2.88	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

The South Coast Air Quality Management District (SCAQMD) typically issues a comment letter on the Notice of Preparation of a CEQA Document. Per the SCAQMD's typical comment letter, if a proposed Project is expected to generate/attract diesel trucks, which emit diesel particulate matter (DPM) or other Toxic Air Contaminants (TACs), preparation of a HRA is necessary. This document serves to meet the SCAQMD's request for preparation of a HRA. This HRA has been prepared in accordance with the document Health Risk Assessment Guidance for Analyzing Cancer Risk from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (2) and is comprised of all relevant and appropriate procedures presented by the United States Environmental Protection Agency (U.S. EPA), California EPA and SCAQMD. Cancer risk is expressed in terms of expected incremental incidence per million population. The SCAQMD has established an incidence rate of ten (10) persons per million as the maximum acceptable incremental cancer risk due to TAC exposure from a project such as the proposed Project. This threshold serves to determine whether or not a given project has a potentially significant development-specific and cumulatively considerable impact.

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

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

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

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

1.1 SITE LOCATION

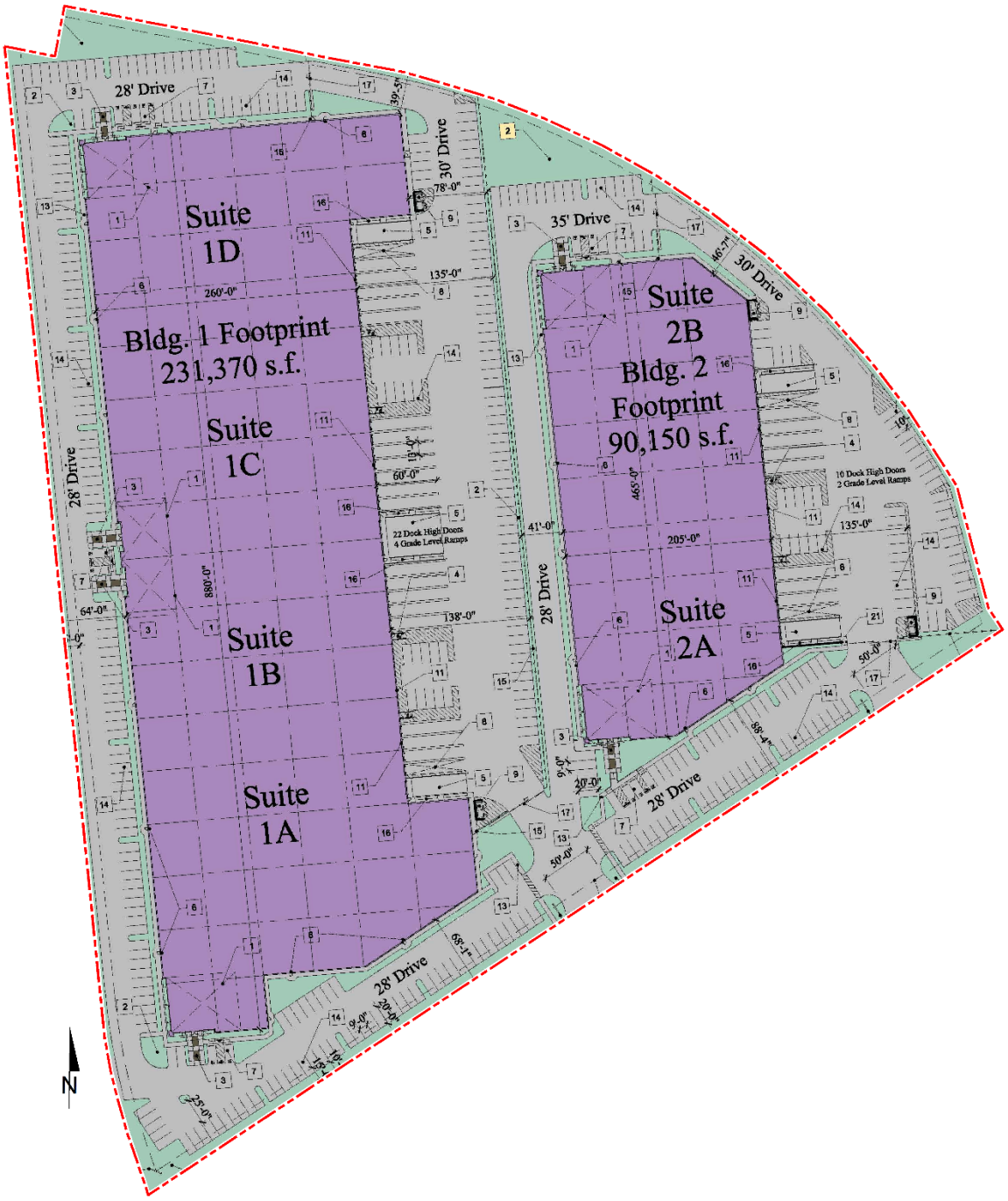
The proposed project is located at 1375 Magnolia Avenue in the City of Corona as shown on Exhibit 1-A.

1.2 PROJECT DESCRIPTION

The proposed Project is to consist of two buildings with a total of 334,520 sf of warehousing/industrial use (includes office/mezzanine space) as shown on Exhibit 1-B. Building 1 is anticipated to contain four suites and serve multiple tenants. As such, Building 1 has been evaluated assuming 238,370 sf of industrial park use while Building 2 has been evaluated assuming 96,150 sf of warehousing use. It is anticipated that the Project would be developed in a single phase with an anticipated Opening Year of 2024. According to the *Magnolia Avenue Business Center Trip Generation Assessment*, the proposed Project is anticipated to generate a total of 972 trip-ends per day (486 vehicles inbound + 486 vehicles outbound) which includes 776 total passenger vehicle trips per day (388 passenger vehicles inbound + 388 passenger vehicles outbound) and 196 total truck trips per day (98 trucks inbound + 98 trucks outbound) (4).

EXHIBIT 1-A: LOCATION MAP

EXHIBIT 1-B: SITE PLAN



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2 BACKGROUND

2.1 BACKGROUND ON RECOMMENDED METHODOLOGY

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

- The ARB-adopted diesel exhaust Unit Risk Factor (URF) of 300 in one million per µg/m3 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

The emissions calculations for the construction HRA component are based on an assumed mix of construction equipment and hauling activity as presented in the *Magnolia Avenue Business 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 heavy-duty construction equipment that would be operating on-site.

As discussed in the technical study, the Project would result in approximately 240 total working-days of construction activity. The construction duration by phase is shown on Table 2-1. A detailed summary of construction equipment assumptions by phase is provided at Table 2-2. The CalEEMod emissions outputs are presented in Appendix 2.1. The modeled emission sources for construction activity are illustrated on Exhibit 2-A.

[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	Days
Demolition/Crushing	03/01/2023	03/28/2023	20
Site Preparation	03/29/2023	04/11/2023	10
Grading	04/12/2023	05/23/2023	30
Building Construction	05/24/2023	01/30/2024	180
Paving	01/03/2024	01/30/2024	20
Architectural Coating	12/06/2023	01/30/2024	40

TABLE 2-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Construction Activity	Equipment	Amount	Hours Per Day
Demolition/Crushing	Concrete/Industrial Saws	1	8
	Crushing/Proc. Equipment	1	4
	Excavators	3	8
	Rubber Tired Dozers	2	8
Site Preparation	Crawler Tractors	4	8
	Rubber Tired Dozers	3	8
Grading	Crawler Tractors	2	8
	Excavators	2	8
	Graders	1	8
	Rubber Tired Dozers	1	8
	Scraper	2	8
Building Construction	Cranes	2	8
	Crawler Tractors	5	8
	Forklifts	5	8
	Generators Sets	2	8
	Welders	2	8
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	1	8

EXHIBIT 2-A: MODELED CONSTRUCTION EMISSION SOURCES

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 10µm in diameter (PM_{10}) generated with the 2021 version of the EMission FACtor model (EMFAC) developed by the CARB. EMFAC 2021 is a mathematical model that CARB developed to calculate emission rates from motor vehicles that operate on highways, freeways, and local roads in California and is commonly used by the ARB to project changes in future emissions from on-road mobile sources (6). The most recent version of this model, EMFAC 2021, incorporates regional motor vehicle data, information and estimates regarding the distribution of vehicle miles traveled (VMT) by speed, and number of starts per day.

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

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

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

Calculated emission factors are shown at Table 2-3. As a conservative measure, a 2024 EMFAC 2021 run was conducted and a static 2024 emissions factor data set was used for the entire duration of analysis herein (e.g., 30 years). Use of 2024 emission factors would overstate potential impacts since this approach assumes that emission factors remain “static” and do not change over time due to fleet turnover or cleaner technology with lower emissions that would be incorporated into vehicles after 2024. Additionally, based on EMFAC 2021, Light-Heavy-Duty Trucks are comprised of 59.7% diesel, Medium-Heavy-Duty Trucks are comprised of 91.3% diesel, and Heavy-Heavy-Duty Trucks are comprised of 95.2% diesel. Trucks fueled by diesel are accounted for by these percentages accordingly in the emissions factor generation. Appendix 2.2 includes additional details on the emissions estimates from EMFAC.

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

$Emissions_{speedA}$ (g/s) = $EF_{RunExhaust}$ (g/VMT) * Distance (VMT/trip) * Number of Trips (trips/day) / seconds per day

Where:

$Emissions_{speedA}$ (g/s): Vehicle emissions at a given speed A;

$EF_{RunExhaust}$ (g/VMT): EMFAC running exhaust PM_{10} emission factor at speed A;

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

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

$Emissions_{idle}$ (g/s) = EF_{idle} (g/hr) * Number of Trips (trips/day) * Idling Time (min/trip) *

60 minutes per hour / seconds per day

Where:

$Emissions_{idle}$ (g/s): Vehicle emissions during idling;

EF_{idle}(g/s): EMFAC idle exhaust PM_{10} emission factor.

TABLE 2-3: 2024 WEIGHTED AVERAGE DPM EMISSIONS FACTORS

Speed	Weighted Average
0 (idling)	0.09198 (g/idle-hr)
5	0.02425 (g/s)
25	0.01010 (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 ¾ mile. This modeling domain is more inclusive and conservative than using only a ¼ mile modeling domain which is the distance supported by several reputable studies which conclude that the greatest potential risks occur within a ¼ mile of the primary source of emissions (1) (in the case of the Project, the primary source of emissions is the on-site idling and on-site travel).

EXHIBIT 2-B: MODELED ON-SITE EMISSION SOURCES

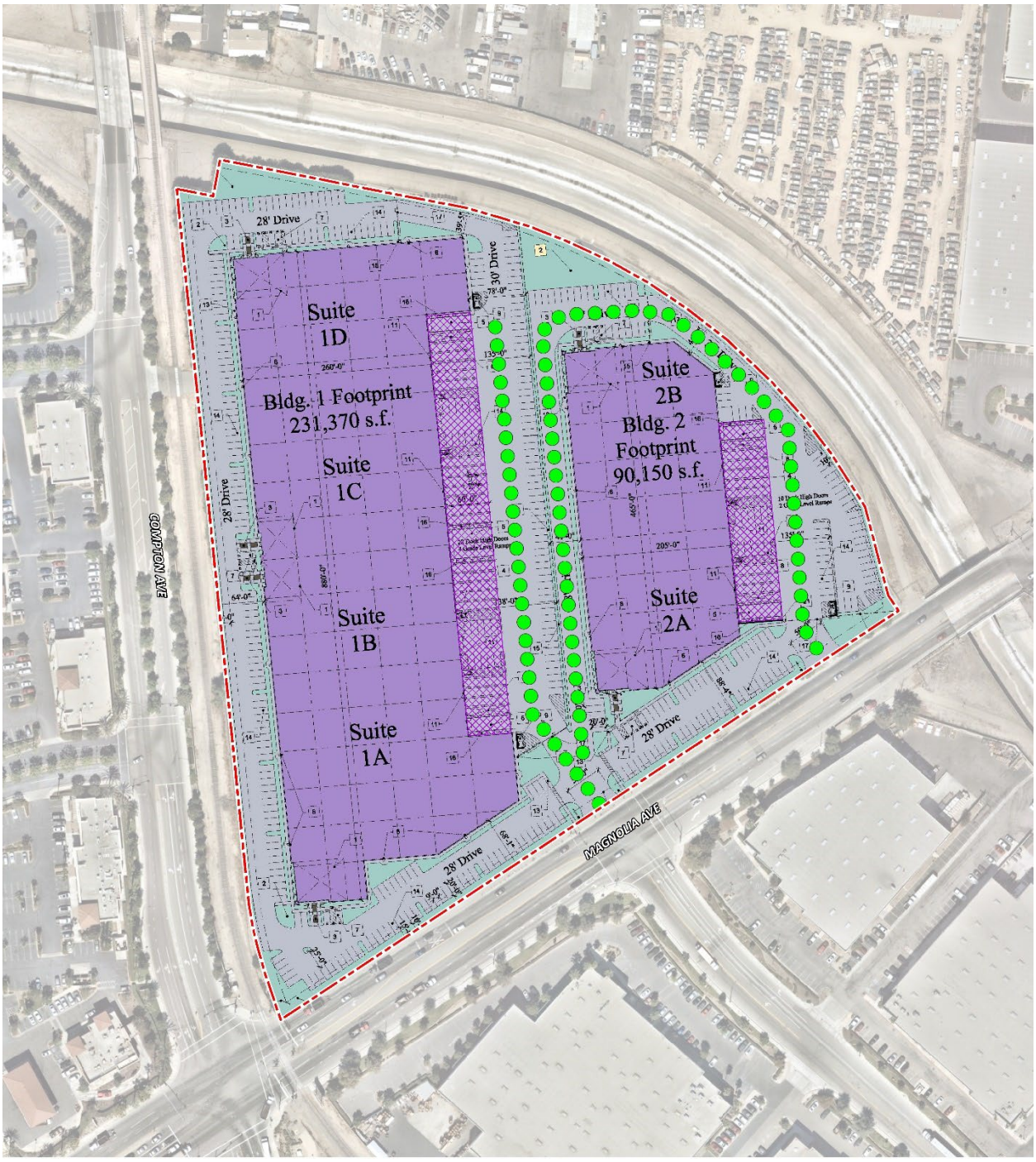

EXHIBIT 2-C: MODELED OFF-SITE EMISSION SOURCES

TABLE 2-4: DPM EMISSIONS FROM PROJECT TRUCKS (2024 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)	Modeled Emission Rates (g/second)
On-Site Idling - Bldg 1	69			0.0920	1.59	1.836E-05
On-Site Idling - Bldg 2	29			0.0920	0.67	7.719E-06
On-Site Travel - Bldg 1	138	18.47	0.0242		0.45	5.184E-06
On-Site Travel - Bldg 2	58	15.31	0.0242		0.37	4.298E-06
Off-Site Travel - Magnolia Avenue 100% Inbound/Outbound	196	91.08	0.0101		0.92	1.064E-05

[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.

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

As summarized in the *Magnolia Avenue Business Center Trip Generation Assessment* prepared by Urban Crossroads, Inc., the Project is expected to generate a total of approximately 972 vehicular trip-ends per day (actual vehicles) which includes 196 two-way truck trips per day (9).

2.3 EXPOSURE QUANTIFICATION

The analysis herein has been conducted in accordance with the guidelines in the Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis (2). SCAQMD recommends using the Environmental Protection Agency's (U.S. EPA's) AERMOD model. For purposes of this analysis, the Lakes AERMOD View (Version 10.2.1) was used to calculate annual average particulate concentrations associated with site operations. Lakes AERMOD View was utilized to incorporate the U.S. EPA's latest AERMOD Version 21112 (9).

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

SCAQMD-recommended model parameters are presented in Table 2-5 (10). The model requires additional input parameters including emission data and local meteorology. Meteorological data from the SCAQMD's Riverside Airport monitoring station was used to represent local weather conditions and prevailing winds (11).

TABLE 2-5: AERMOD MODEL PARAMETERS

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

Universal Transverse Mercator (UTM) coordinates for World Geodetic System (WGS) 84 were used to locate the Project site boundaries, each volume source location, and receptor locations in the Project site's vicinity. The AERMOD dispersion model summary output files for the

proposed Project are presented in Appendix 2.3. Modeled sensitive receptors were placed at residential and non-residential locations.

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

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

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

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

Discrete variants for daily breathing rates, exposure frequency, and exposure duration were obtained from relevant distribution profiles presented in the 2015 OEHHA Guidelines. Tables 2-6 through 2-7 summarize the Exposure Parameters for Residents and Workers based on 2015 OEHHA Guidelines. Appendix 2.4 includes the detailed risk calculation.

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

Age	Daily Breathing Rate (L/kg-day)	Age Specific Factor	Exposure Duration (years)	Fraction of Time at Home	Exposure Frequency (days/year)	Exposure Time (hours/day)
0 to 2	1,090	10	0.92	0.93	260	8

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

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

2 to 16	572	3	14	0.72	350	24
16 to 30	261	1	14	0.73	350	24

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

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

2.4 CARCINOGENIC CHEMICAL RISK

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

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

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

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

Where:

DOSEair = chronic daily intake (mg/kg/day)

Cair = concentration of contaminant in air (ug/m3)

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

A	=	inhalation absorption factor
EF	=	exposure frequency (days/365 days)
BW	=	body weight (kg)
1 x 10 -6	=	conversion factors (ug to mg, L to m3)

RISKair = DOSEair x CPF x ED/AT

Where:

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

2.5 NON-CARCINOGENIC EXPOSURES

An evaluation of the potential noncarcinogenic effects of chronic exposures was also conducted. Adverse health effects are evaluated by comparing a compound's annual concentration with its toxicity factor or Reference Exposure Level (REL). The REL for diesel particulates was obtained from OEHHA for this analysis. The chronic reference exposure level (REL) for DPM was established by OEHHA as 5 $\mu g/m^3$ (OEHHA Toxicity Criteria Database, http://www.oehha.org/risk/chemicaldb/index.asp).

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

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

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

Where:

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

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

2.6 POTENTIAL PROJECT-RELATED DPM SOURCE CANCER AND NON-CANCER RISKS

CONSTRUCTION IMPACTS

The land use with the greatest potential exposure to Project construction-source DPM emissions is Location R1 which is located approximately 149 feet north of the Project site at an existing residence located at 1410 East 6th Street. R1 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project construction-source DPM emissions is estimated at 2.73 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction activity. All other receptors during construction activity would experience less risk than what is identified for this location. The nearest modeled receptors are illustrated on Exhibit 2-D.

OPERATIONAL IMPACTS

Residential Exposure Scenario:

The residential land use with the greatest potential exposure to Project operational-source DPM emissions is Location R1 which is located approximately 149 feet north of the Project site at an existing residence located at 1410 East 6th Street. R1 is placed in the private outdoor living areas (backyard) facing the Project site. At the MEIR, the maximum incremental cancer risk attributable to Project operational-source DPM emissions is estimated at 0.32 in one million, which is less than the SCAQMD's significance threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable significance threshold of 1.0. Because all other modeled residential receptors are exposed to lesser concentrations and are located at a greater distance from the Project site than the MEIR analyzed herein, and TACs generally dissipates with distance from the source, all other residential receptors in the vicinity of the Project site would be exposed to less emissions and therefore less risk than the MEIR identified herein. As such, the Project will not cause a significant human health or cancer risk to nearby residences. The nearest modeled receptors are illustrated on Exhibit 2-D.

Worker Exposure Scenario[3]*:*

The worker receptor land use with the greatest potential exposure to Project operational-source DPM emissions is Location R6, which represents the adjacent potential worker receptor approximately 130 feet south of the Project site. At the MEIW, the maximum incremental cancer risk impact is 0.11 in one million which is less than the SCAQMD's threshold of 10 in one million. Maximum non-cancer risks at this same location were estimated to be <0.01, which would not

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

exceed the applicable significance threshold of 1.0. Because all other modeled worker receptors are located at a greater distance than the MEIW analyzed herein, and DPM dissipates with distance from the source, all other worker receptors in the vicinity of the Project would be exposed to less emissions and therefore less risk than the MEIW identified herein. As such, the Project will not cause a significant human health or cancer risk to adjacent workers. The nearest modeled receptors are illustrated on Exhibit 2-D.

School Child Exposure Scenario:

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

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

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

There are no schools within ¼ mile of the Project site. The nearest school is Lincoln Fundamental Elementary School, which is located approximately 4,500 feet west of the Project site. Because there is no reasonable potential that TAC emissions would cause significant health impacts at distances of more than ¼ mile from the air pollution source, there would be no significant impacts that would occur to any schools in the vicinity of the Project.

CONSTRUCTION AND OPERATIONAL IMPACTS

The land use with the greatest potential increased cancer risk due to exposure to Project construction-source and operational-source DPM emissions is Location R1. At this location, the maximum incremental cancer risk attributable to Project construction and operational DPM source emissions is estimated at 2.88 in one million, which is less than the threshold of 10 in one million. At this same location, non-cancer risks were estimated to be <0.01, which would not exceed the applicable threshold of 1.0. As such, the Project will not cause a significant human health or cancer risk to adjacent land uses as a result of Project construction and operational activity. All other receptors during construction and operational activity would experience less risk than what is identified for this location. The nearest modeled receptors are illustrated on Exhibit 2-D.

EXHIBIT 2-D: RECEPTOR LOCATIONS

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3 REFERENCES

1. **Air Resources Board.** *Air Quality and Land Use Handbook: A Community Health Perspective.* 2005.
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9. **Environmental Protection Agency.** User's Guide for the AMS/EPA Regulatory Model (AERMOD). [Online] 2019. https://www3.epa.gov/ttn/scram/models/aermod/aermod_userguide.pdf.
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4 CERTIFICATIONS

The contents of this health risk assessment represent an accurate depiction of the impacts to sensitive receptors associated with the proposed Magnolia Avenue Business 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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EDUCATION

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

Bachelor of Arts in Environmental Analysis and Design
University of California, Irvine • June 2006

PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners
AWMA – Air and Waste Management Association
ASTM – American Society for Testing and Materials

PROFESSIONAL CERTIFICATIONS

Environmental Site Assessment – American Society for Testing and Materials • June 2013
Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – California Air Resources Board • August 2007
AB2588 Regulatory Standards – Trinity Consultants • November 2006
Air Dispersion Modeling – Lakes Environmental • June 2006

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APPENDIX 2.1:

CALEEMOD OUTPUTS

Magnolia Avenue Business Center (Construction - Unmitigated) Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Magnolia Avenue Business Center (Construction - Unmitigated)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	19.2
Location	33.869728805185645, -117.53761216666568
County	Riverside-South Coast
City	Corona
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5460
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Industrial Park	238	1000sqft	6.63	238,370	50,494	0.00	—	—
Unrefrigerated Warehouse-No Rail	96.0	1000sqft	2.67	96,150	20,368	0.00	—	—
Parking Lot	430	Space	1.75	0.00	0.00	0.00	—	—

Other Asphalt Surfaces	215	1000sqft	4.94	0.00	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.	5.94	5.00	53.7	41.9	0.13	2.53	5.92	8.46	2.33	2.75	5.08	—	18,093	18,093	0.48	1.82	24.6	18,674
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.6	47.2	47.2	48.9	0.07	2.53	29.4	30.9	2.33	4.48	5.81	—	8,844	8,844	0.35	0.32	0.37	8,948
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	4.04	5.66	22.6	24.1	0.04	1.20	3.20	4.40	1.11	0.70	1.81	—	5,506	5,506	0.20	0.29	3.30	5,600
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.74	1.03	4.13	4.40	0.01	0.22	0.58	0.80	0.20	0.13	0.33	—	912	912	0.03	0.05	0.55	927

2.2. Construction Emissions by Year, Unmitigated

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

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

Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	5.94	5.00	53.7	41.9	0.13	2.53	5.92	8.46	2.33	2.75	5.08	—	18,093	18,093	0.48	1.82	24.6	18,674
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	20.6	46.6	47.2	48.9	0.06	2.53	29.4	30.9	2.33	4.48	5.81	—	8,844	8,844	0.35	0.32	0.37	8,948
2024	5.35	47.2	39.6	40.0	0.07	2.22	2.52	4.74	2.05	0.63	2.68	—	6,799	6,799	0.28	0.06	—	6,823
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.04	5.66	22.6	24.1	0.04	1.20	3.20	4.40	1.11	0.70	1.81	—	5,506	5,506	0.20	0.29	3.30	5,600
2024	0.31	2.76	2.29	2.31	< 0.005	0.13	0.15	0.27	0.12	0.04	0.16	—	393	393	0.02	< 0.005	—	395
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.74	1.03	4.13	4.40	0.01	0.22	0.58	0.80	0.20	0.13	0.33	—	912	912	0.03	0.05	0.55	927
2024	0.06	0.50	0.42	0.42	< 0.005	0.02	0.03	0.05	0.02	0.01	0.03	—	65.1	65.1	< 0.005	< 0.005	—	65.3

3. Construction Emissions Details

3.1. Demolition (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	20.4	19.8	27.8	47.6	0.03	1.49	—	1.49	1.33	—	1.33	—	3,464	3,464	0.14	0.03	—	3,476

Demolitio	—	—	—	—	—	—	29.1	29.1	—	4.40	4.40	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.12	1.08	1.52	2.61	< 0.005	0.08	—	0.08	0.07	—	0.07	—	190	190	0.01	< 0.005	—	190
Demolitio n	—	—	—	—	—	—	1.59	1.59	—	0.24	0.24	—	—	—	—	—	—	—
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	0.20	0.20	0.28	0.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	31.4	31.4	< 0.005	< 0.005	—	31.5
Demolitio n	—	—	—	—	—	—	0.29	0.29	—	0.04	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	0.10	0.09	0.11	1.24	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	243	243	0.01	0.01	0.03	246
Vendor	0.01	< 0.005	0.19	0.06	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	157	157	< 0.005	0.02	0.01	164
Hauling	0.01	< 0.005	0.17	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	142	142	< 0.005	0.02	0.01	149
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	13.5	13.5	< 0.005	< 0.005	0.03	13.7
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	8.61	8.61	< 0.005	< 0.005	0.01	9.00

Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.78	7.78	< 0.005	< 0.005	0.01	8.16
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	2.23	2.23	< 0.005	< 0.005	< 0.005	2.26
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.43	1.43	< 0.005	< 0.005	< 0.005	1.49
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.29	1.29	< 0.005	< 0.005	< 0.005	1.35

3.3. Site Preparation (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.83	4.90	47.0	38.0	0.05	2.53	—	2.53	2.33	—	2.33	—	5,530	5,530	0.22	0.04	—	5,549
Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.83	4.90	47.0	38.0	0.05	2.53	—	2.53	2.33	—	2.33	—	5,530	5,530	0.22	0.04	—	5,549
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	0.16	0.13	1.29	1.04	< 0.005	0.07	—	0.07	0.06	—	0.06	—	152	152	0.01	< 0.005	—	152
Dust From Material Movement	—	—	—	—	—	—	0.16	0.16	—	0.07	0.07	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.24	0.19	< 0.005	0.01	—	0.01	0.01	—	0.01	—	25.1	25.1	< 0.005	< 0.005	—	25.2
Dust From Material Movement	—	—	—	—	—	—	0.03	0.03	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.10	0.10	1.63	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	264	264	0.01	0.01	1.13	269
Vendor	< 0.005	< 0.005	0.11	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	94.2	94.2	< 0.005	0.01	0.26	98.7
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.11	1.24	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	243	243	0.01	0.01	0.03	246
Vendor	< 0.005	< 0.005	0.12	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	94.3	94.3	< 0.005	0.01	0.01	98.5
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

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	6.74	6.74	< 0.005	< 0.005	0.01	6.84
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.58	2.58	< 0.005	< 0.005	< 0.005	2.70
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	1.12	1.12	< 0.005	< 0.005	< 0.005	1.13
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.43	0.43	< 0.005	< 0.005	< 0.005	0.45
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	5.00	4.20	40.9	32.7	0.06	1.96	—	1.96	1.80	—	1.80	—	6,715	6,715	0.27	0.05	—	6,738
Dust From Material Movement	—	—	—	—	—	—	2.68	2.68	—	0.98	0.98	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.41	0.34	3.36	2.69	0.01	0.16	—	0.16	0.15	—	0.15	—	552	552	0.02	< 0.005	—	554

Dust From Material Movement	—	—	—	—	—	—	0.22	0.22	—	0.08	0.08	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.06	0.61	0.49	< 0.005	0.03	—	0.03	0.03	—	0.03	—	91.4	91.4	< 0.005	< 0.005	—	91.7
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.11	1.81	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	294	294	0.01	0.01	1.26	298
Vendor	0.01	0.01	0.26	0.08	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	0.01	—	220	220	< 0.005	0.03	0.61	230
Hauling	0.44	0.17	12.5	2.98	0.07	0.20	0.74	0.94	0.20	0.27	0.47	—	10,864	10,864	0.20	1.73	22.8	11,407
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.12	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	22.5	22.5	< 0.005	< 0.005	0.04	22.8
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	18.1	18.1	< 0.005	< 0.005	0.02	18.9
Hauling	0.04	0.01	1.08	0.25	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	893	893	0.02	0.14	0.81	937
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	3.72	3.72	< 0.005	< 0.005	0.01	3.77
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.99	2.99	< 0.005	< 0.005	< 0.005	3.13

Hauling	0.01	< 0.005	0.20	0.05	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	148	148	< 0.005	0.02	0.13	155

3.7. Building Construction (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.40	3.69	32.6	28.8	0.05	1.99	—	1.99	1.83	—	1.83	—	5,110	5,110	0.21	0.04	—	5,128
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	4.40	3.69	32.6	28.8	0.05	1.99	—	1.99	1.83	—	1.83	—	5,110	5,110	0.21	0.04	—	5,128
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.91	1.60	14.2	12.5	0.02	0.86	—	0.86	0.79	—	0.79	—	2,220	2,220	0.09	0.02	—	2,228
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	0.35	0.29	2.58	2.28	< 0.005	0.16	—	0.16	0.14	—	0.14	—	368	368	0.01	< 0.005	—	369
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	0.82	0.75	0.74	12.7	0.00	0.00	0.11	0.11	0.00	0.00	0.00	—	2,057	2,057	0.08	0.07	8.82	2,088
Vendor	0.07	0.04	1.50	0.47	0.01	0.02	0.07	0.09	0.02	0.03	0.05	—	1,288	1,288	0.03	0.19	3.59	1,349
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	0.78	0.71	0.86	9.62	0.00	0.00	0.11	0.11	0.00	0.00	0.00	—	1,890	1,890	0.09	0.07	0.23	1,913
Vendor	0.06	0.04	1.58	0.48	0.01	0.02	0.07	0.09	0.02	0.03	0.05	—	1,289	1,289	0.03	0.19	0.09	1,346
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	0.34	0.31	0.37	4.38	0.00	0.00	0.05	0.05	0.00	0.00	0.00	—	832	832	0.04	0.03	1.65	843
Vendor	0.03	0.02	0.69	0.21	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	560	560	0.01	0.08	0.68	585
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	0.06	0.06	0.07	0.80	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	138	138	0.01	< 0.005	0.27	140
Vendor	0.01	< 0.005	0.13	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	92.6	92.6	< 0.005	0.01	0.11	96.9
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.9. Building Construction (2024) - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.12	3.45	30.5	28.5	0.05	1.79	—	1.79	1.65	—	1.65	—	5,110	5,110	0.21	0.04	—	5,127
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.79	1.67	< 0.005	0.11	—	0.11	0.10	—	0.10	—	300	300	0.01	< 0.005	—	301
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.33	0.31	< 0.005	0.02	—	0.02	0.02	—	0.02	—	49.7	49.7	< 0.005	< 0.005	—	49.8
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.11. Paving (2024) - Unmitigated

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

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

Off-Road Equipment	1.01	0.85	7.81	10.0	0.01	0.39	—	0.39	0.36	—	0.36	—	1,512	1,512	0.06	0.01	—	1,517
Paving	—	0.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.43	0.55	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.08	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

3.13. Architectural Coating (2023) - Unmitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.20	1.25	1.54	< 0.005	0.05	—	0.05	0.05	—	0.05	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	41.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.06	0.08	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	9.06	9.06	< 0.005	< 0.005	—	9.09
Architectural Coatings	—	2.13	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.50	1.50	< 0.005	< 0.005	—	1.50
Architectural Coatings	—	0.39	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.16	0.14	0.17	1.92	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	378	378	0.02	0.01	0.05	383

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	19.5	19.5	< 0.005	< 0.005	0.04	19.7
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	0.02	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	3.22	3.22	< 0.005	< 0.005	0.01	3.27
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

3.15. Architectural Coating (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.22	0.18	1.21	1.53	< 0.005	0.04	—	0.04	0.04	—	0.04	—	178	178	0.01	< 0.005	—	179
Architectural Coatings	—	41.8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.09	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	10.5	10.5	< 0.005	< 0.005	—	10.5

Architect Coatings	—	2.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.73	1.73	< 0.005	< 0.005	—	1.74
Architectural Coatings	—	0.45	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	3/1/2023	3/28/2023	5.00	20.0	—
Site Preparation	Site Preparation	3/29/2023	4/11/2023	5.00	10.0	—
Grading	Grading	4/12/2023	5/23/2023	5.00	30.0	—
Building Construction	Building Construction	5/24/2023	1/30/2024	5.00	180	—
Paving	Paving	1/3/2024	1/30/2024	5.00	20.0	—
Architectural Coating	Architectural Coating	12/6/2023	1/30/2024	5.00	40.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	8.00	367	0.40
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Grading	Excavators	Diesel	Average	2.00	8.00	36.0	0.38
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Grading	Scrapers	Diesel	Average	2.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Average	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Average	5.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	2.00	8.00	14.0	0.74

Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	1.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Average	4.00	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Average	2.00	8.00	87.0	0.43
Building Construction	Crawler Tractors	Diesel	Average	5.00	8.00	87.0	0.43
Demolition	Crushing/Proc. Equipment	Gasoline	Average	1.00	4.00	12.0	0.85

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	18.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	5.00	10.2	HHDT,MHDT
Demolition	Hauling	2.00	20.0	HHDT
Demolition	Onsite truck	0.00	0.00	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	18.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	3.00	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	0.00	0.00	HHDT
Grading	—	—	—	—
Grading	Worker	20.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	7.00	10.2	HHDT,MHDT

Grading	Hauling	153	20.0	HHDT
Grading	Onsite truck	0.00	0.00	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	140	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	41.0	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	0.00	0.00	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	0.00	0.00	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	28.0	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	0.00	0.00	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	514,894	171,631	17,485

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Building Square Footage)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	590,930	—
Site Preparation	0.00	0.00	35.0	0.00	—
Grading	36,654	0.00	120	0.00	—
Paving	0.00	0.00	0.00	0.00	6.69

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
Industrial Park	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Parking Lot	1.75	100%
Other Asphalt Surfaces	4.94	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

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

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

8. User Changes to Default Data

Screen	Justification
Land Use	Project areas based on information consistent with the Traffic analysis and Site Plan
Construction: Construction Phases	Construction anticipated to begin March 2023 and end January 2024
Construction: Off-Road Equipment	Construction Equipment based on equipment used for other industrial projects
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Demolition, Site Preparation, Grading, and Building Construction
Construction: Architectural Coatings	Rule 1113

Magnolia Avenue Business Center (Building 1 Operations) Custom Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Magnolia Avenue Business Center (Building 1 Operations)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	19.2
Location	33.869728805185645, -117.53761216666568
County	Riverside-South Coast
City	Corona
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5460
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Industrial Park	238	1000sqft	6.63	238,370	50,494	0.00	—	—
Parking Lot	291	Space	1.20	0.00	0.00	0.00	—	—
Other Asphalt Surfaces	215	1000sqft	4.94	0.00	0.00	0.00	—	—

User Defined Industrial	238	User Defined Unit	0.00	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	13.2	18.2	14.2	58.4	0.19	0.36	4.71	5.07	0.36	0.89	1.24	265	25,224	25,489	27.8	1.88	126	26,870
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.2	16.3	14.8	39.5	0.18	0.35	4.71	5.05	0.34	0.89	1.22	265	24,457	24,722	27.8	1.90	63.7	26,047
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.8	15.9	13.4	43.1	0.16	0.33	4.11	4.45	0.33	0.77	1.10	265	22,348	22,613	27.7	1.70	86.1	23,900
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.98	2.91	2.44	7.87	0.03	0.06	0.75	0.81	0.06	0.14	0.20	43.8	3,700	3,744	4.59	0.28	14.3	3,957

2.5. Operations Emissions by Sector, Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.1	10.6	12.1	46.3	0.18	0.19	4.71	4.90	0.18	0.89	1.07	—	18,412	18,412	0.45	1.57	63.7	18,955
Area	1.84	7.47	0.09	10.4	< 0.005	0.01	—	0.01	0.02	—	0.02	—	42.6	42.6	< 0.005	< 0.005	—	42.8
Energy	0.23	0.11	2.05	1.72	0.01	0.16	—	0.16	0.16	—	0.16	—	6,408	6,408	0.59	0.05	—	6,438
Water	—	—	—	—	—	—	—	—	—	—	—	105	362	467	10.8	0.26	—	816
Waste	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.0	62.0
Total	13.2	18.2	14.2	58.4	0.19	0.36	4.71	5.07	0.36	0.89	1.24	265	25,224	25,489	27.8	1.88	126	26,870
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.0	10.4	12.7	37.8	0.17	0.19	4.71	4.90	0.18	0.89	1.07	—	17,688	17,688	0.46	1.59	1.65	18,174
Area	—	5.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.23	0.11	2.05	1.72	0.01	0.16	—	0.16	0.16	—	0.16	—	6,408	6,408	0.59	0.05	—	6,438
Water	—	—	—	—	—	—	—	—	—	—	—	105	362	467	10.8	0.26	—	816
Waste	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.0	62.0
Total	11.2	16.3	14.8	39.5	0.18	0.35	4.71	5.05	0.34	0.89	1.22	265	24,457	24,722	27.8	1.90	63.7	26,047
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.35	8.90	11.3	34.3	0.15	0.17	4.11	4.28	0.16	0.77	0.93	—	15,549	15,549	0.40	1.39	24.0	15,998
Area	1.26	6.93	0.06	7.10	< 0.005	0.01	—	0.01	0.01	—	0.01	—	29.2	29.2	< 0.005	< 0.005	—	29.3
Energy	0.23	0.11	2.05	1.72	0.01	0.16	—	0.16	0.16	—	0.16	—	6,408	6,408	0.59	0.05	—	6,438
Water	—	—	—	—	—	—	—	—	—	—	—	105	362	467	10.8	0.26	—	816
Waste	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.0	62.0
Total	10.8	15.9	13.4	43.1	0.16	0.33	4.11	4.45	0.33	0.77	1.10	265	22,348	22,613	27.7	1.70	86.1	23,900

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.71	1.63	2.06	6.26	0.03	0.03	0.75	0.78	0.03	0.14	0.17	—	2,574	2,574	0.07	0.23	3.98	2,649
Area	0.23	1.27	0.01	1.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.83	4.83	< 0.005	< 0.005	—	4.85
Energy	0.04	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	1,061	1,061	0.10	0.01	—	1,066
Water	—	—	—	—	—	—	—	—	—	—	—	17.5	59.9	77.4	1.80	0.04	—	135
Waste	—	—	—	—	—	—	—	—	—	—	—	26.3	0.00	26.3	2.63	0.00	—	92.1
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.3	10.3
Total	1.98	2.91	2.44	7.87	0.03	0.06	0.75	0.81	0.06	0.14	0.20	43.8	3,700	3,744	4.59	0.28	14.3	3,957

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	10.6	10.2	2.14	43.3	0.09	0.04	0.43	0.47	0.04	0.13	0.16	—	9,339	9,339	0.29	0.21	37.2	9,447
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.55	0.37	9.92	2.93	0.08	0.15	0.65	0.80	0.14	0.21	0.35	—	9,073	9,073	0.16	1.36	26.5	9,508
Total	11.1	10.6	12.1	46.3	0.18	0.19	1.08	1.27	0.18	0.34	0.52	—	18,412	18,412	0.45	1.57	63.7	18,955

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	10.4	10.1	2.38	34.8	0.09	0.04	0.43	0.47	0.04	0.13	0.16	—	8,611	8,611	0.30	0.23	0.96	8,688
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.53	0.35	10.4	2.95	0.08	0.15	0.65	0.80	0.14	0.21	0.35	—	9,076	9,076	0.15	1.36	0.69	9,486
Total	11.0	10.4	12.7	37.8	0.17	0.19	1.08	1.27	0.18	0.34	0.52	—	17,688	17,688	0.46	1.59	1.65	18,174
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	1.62	1.57	0.39	5.79	0.01	0.01	0.07	0.07	0.01	0.02	0.03	—	1,261	1,261	0.04	0.03	2.32	1,275
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.09	0.06	1.67	0.47	0.01	0.02	0.10	0.13	0.02	0.03	0.06	—	1,313	1,313	0.02	0.20	1.66	1,374
Total	1.71	1.63	2.06	6.26	0.03	0.03	0.17	0.20	0.03	0.05	0.08	—	2,574	2,574	0.07	0.23	3.98	2,649

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	3,965	3,965	0.38	0.05	—	3,988
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,965	3,965	0.38	0.05	—	3,988
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	3,965	3,965	0.38	0.05	—	3,988
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	3,965	3,965	0.38	0.05	—	3,988
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	657	657	0.06	0.01	—	660
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	657	657	0.06	0.01	—	660

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.23	0.11	2.05	1.72	0.01	0.16	—	0.16	0.16	—	0.16	—	2,443	2,443	0.22	< 0.005	—	2,449
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.23	0.11	2.05	1.72	0.01	0.16	—	0.16	0.16	—	0.16	—	2,443	2,443	0.22	< 0.005	—	2,449
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.23	0.11	2.05	1.72	0.01	0.16	—	0.16	0.16	—	0.16	—	2,443	2,443	0.22	< 0.005	—	2,449
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.23	0.11	2.05	1.72	0.01	0.16	—	0.16	0.16	—	0.16	—	2,443	2,443	0.22	< 0.005	—	2,449
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	0.04	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	404	404	0.04	< 0.005	—	406
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.04	0.02	0.37	0.31	< 0.005	0.03	—	0.03	0.03	—	0.03	—	404	404	0.04	< 0.005	—	406

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	5.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural Coatings	—	0.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.84	1.70	0.09	10.4	< 0.005	0.01	—	0.01	0.02	—	0.02	—	42.6	42.6	< 0.005	< 0.005	—	42.8
Total	1.84	7.47	0.09	10.4	< 0.005	0.01	—	0.01	0.02	—	0.02	—	42.6	42.6	< 0.005	< 0.005	—	42.8
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	5.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.65	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	5.77	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	0.93	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.23	0.21	0.01	1.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.83	4.83	< 0.005	< 0.005	—	4.85
Total	0.23	1.27	0.01	1.30	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	4.83	4.83	< 0.005	< 0.005	—	4.85

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	105	362	467	10.8	0.26	—	816
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	105	362	467	10.8	0.26	—	816
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	105	362	467	10.8	0.26	—	816
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	105	362	467	10.8	0.26	—	816
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	17.5	59.9	77.4	1.80	0.04	—	135

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	17.5	59.9	77.4	1.80	0.04	—	135

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	159	0.00	159	15.9	0.00	—	556
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	26.3	0.00	26.3	2.63	0.00	—	92.1
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	26.3	0.00	26.3	2.63	0.00	—	92.1

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

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

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.0	62.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.0	62.0
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.0	62.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	62.0	62.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.3	10.3
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10.3	10.3

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Industrial Park	667	501	245	212,767	12,534	9,415	4,596	3,998,317
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	138	104	50.5	43,952	3,129	2,351	1,148	998,188

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	369,591	123,197	16,048

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Industrial Park	4,151,475	349	0.0330	0.0040	7,621,480
Parking Lot	0.00	349	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	349	0.0330	0.0040	0.00
User Defined Industrial	0.00	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Industrial Park	55,037,500	800,624
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Industrial Park	295	0.00
Parking Lot	0.00	0.00
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Industrial Park	Other commercial A/C and heat pumps	R-410A	2,088	0.30	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

8. User Changes to Default Data

Screen	Justification
Land Use	Project areas based on information consistent with the Traffic analysis and Site Plan
Operations: Vehicle Data	Trip characteristics based on information provided in the Traffic analysis
Operations: Fleet Mix	Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic analysis

Magnolia Avenue Business Center (Building 2 Operations) Custom Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Magnolia Avenue Business Center (Building 2 Operations)
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	19.2
Location	33.869728805185645, -117.53761216666568
County	Riverside-South Coast
City	Corona
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5460
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	96.0	1000sqft	2.67	96,150	20,368	0.00	—	—
User Defined Industrial	96.0	User Defined Unit	0.00	0.00	0.00	0.00	—	—

Parking Lot	139	Space	0.55	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.76	4.84	5.30	13.1	0.06	0.13	1.12	1.25	0.13	0.23	0.36	91.2	6,808	6,899	9.47	0.72	115	7,465
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.99	4.13	5.49	7.50	0.05	0.13	1.12	1.24	0.12	0.23	0.35	91.2	6,675	6,766	9.47	0.72	98.4	7,315
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	1.96	4.09	4.28	8.69	0.04	0.11	0.82	0.93	0.11	0.17	0.28	91.2	5,302	5,393	9.44	0.56	103	5,899
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.36	0.75	0.78	1.59	0.01	0.02	0.15	0.17	0.02	0.03	0.05	15.1	878	893	1.56	0.09	17.1	977

2.5. Operations Emissions by Sector, Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.94	1.81	4.51	8.24	0.05	0.07	1.12	1.19	0.07	0.23	0.29	—	5,320	5,320	0.11	0.61	17.1	5,521
Area	0.74	2.99	0.04	4.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	17.2	17.2	< 0.005	< 0.005	—	17.3
Energy	0.08	0.04	0.76	0.64	< 0.005	0.06	—	0.06	0.06	—	0.06	—	1,325	1,325	0.12	0.01	—	1,329
Water	—	—	—	—	—	—	—	—	—	—	—	42.5	146	189	4.38	0.11	—	329
Waste	—	—	—	—	—	—	—	—	—	—	—	48.6	0.00	48.6	4.86	0.00	—	170
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	98.0	98.0
Total	2.76	4.84	5.30	13.1	0.06	0.13	1.12	1.25	0.13	0.23	0.36	91.2	6,808	6,899	9.47	0.72	115	7,465
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.91	1.78	4.73	6.87	0.05	0.07	1.12	1.19	0.07	0.23	0.29	—	5,204	5,204	0.11	0.61	0.44	5,389
Area	—	2.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.08	0.04	0.76	0.64	< 0.005	0.06	—	0.06	0.06	—	0.06	—	1,325	1,325	0.12	0.01	—	1,329
Water	—	—	—	—	—	—	—	—	—	—	—	42.5	146	189	4.38	0.11	—	329
Waste	—	—	—	—	—	—	—	—	—	—	—	48.6	0.00	48.6	4.86	0.00	—	170
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	98.0	98.0
Total	1.99	4.13	5.49	7.50	0.05	0.13	1.12	1.24	0.12	0.23	0.35	91.2	6,675	6,766	9.47	0.72	98.4	7,315
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.37	1.27	3.50	5.20	0.04	0.05	0.82	0.87	0.05	0.17	0.21	—	3,819	3,819	0.08	0.45	5.41	3,960
Area	0.51	2.78	0.02	2.86	< 0.005	< 0.005	—	< 0.005	0.01	—	0.01	—	11.8	11.8	< 0.005	< 0.005	—	11.8
Energy	0.08	0.04	0.76	0.64	< 0.005	0.06	—	0.06	0.06	—	0.06	—	1,325	1,325	0.12	0.01	—	1,329
Water	—	—	—	—	—	—	—	—	—	—	—	42.5	146	189	4.38	0.11	—	329
Waste	—	—	—	—	—	—	—	—	—	—	—	48.6	0.00	48.6	4.86	0.00	—	170
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	98.0	98.0
Total	1.96	4.09	4.28	8.69	0.04	0.11	0.82	0.93	0.11	0.17	0.28	91.2	5,302	5,393	9.44	0.56	103	5,899

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.25	0.23	0.64	0.95	0.01	0.01	0.15	0.16	0.01	0.03	0.04	—	632	632	0.01	0.07	0.90	656
Area	0.09	0.51	< 0.005	0.52	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.95	1.95	< 0.005	< 0.005	—	1.96
Energy	0.02	0.01	0.14	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	219	219	0.02	< 0.005	—	220
Water	—	—	—	—	—	—	—	—	—	—	—	7.04	24.2	31.2	0.72	0.02	—	54.5
Waste	—	—	—	—	—	—	—	—	—	—	—	8.05	0.00	8.05	0.80	0.00	—	28.2
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.2	16.2
Total	0.36	0.75	0.78	1.59	0.01	0.02	0.15	0.17	0.02	0.03	0.05	15.1	878	893	1.56	0.09	17.1	977

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.71	1.66	0.35	7.01	0.01	0.01	0.07	0.08	0.01	0.02	0.03	—	1,510	1,510	0.05	0.03	6.01	1,527
User Defined Industrial	0.23	0.15	4.16	1.23	0.04	0.06	0.27	0.34	0.06	0.09	0.15	—	3,810	3,810	0.07	0.57	11.1	3,993
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.94	1.81	4.51	8.24	0.05	0.07	0.34	0.41	0.07	0.11	0.17	—	5,320	5,320	0.11	0.61	17.1	5,521

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.69	1.63	0.38	5.63	0.01	0.01	0.07	0.08	0.01	0.02	0.03	—	1,392	1,392	0.05	0.04	0.16	1,405
User Defined Industrial	0.22	0.15	4.35	1.24	0.04	0.06	0.27	0.34	0.06	0.09	0.15	—	3,812	3,812	0.06	0.57	0.29	3,984
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	1.91	1.78	4.73	6.87	0.05	0.07	0.34	0.41	0.07	0.11	0.18	—	5,204	5,204	0.11	0.61	0.44	5,389
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.22	0.21	0.05	0.78	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	171	171	0.01	< 0.005	0.31	173
User Defined Industrial	0.03	0.02	0.59	0.16	< 0.005	0.01	0.04	0.04	0.01	0.01	0.02	—	462	462	0.01	0.07	0.58	483
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.25	0.23	0.64	0.95	0.01	0.01	0.05	0.05	0.01	0.01	0.02	—	632	632	0.01	0.07	0.90	656

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	422	422	0.04	< 0.005	—	424
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	422	422	0.04	< 0.005	—	424
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	422	422	0.04	< 0.005	—	424
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	422	422	0.04	< 0.005	—	424
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	69.9	69.9	0.01	< 0.005	—	70.3

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	69.9	69.9	0.01	< 0.005	—	70.3

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.08	0.04	0.76	0.64	< 0.005	0.06	—	0.06	0.06	—	0.06	—	903	903	0.08	< 0.005	—	905
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.08	0.04	0.76	0.64	< 0.005	0.06	—	0.06	0.06	—	0.06	—	903	903	0.08	< 0.005	—	905
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.08	0.04	0.76	0.64	< 0.005	0.06	—	0.06	0.06	—	0.06	—	903	903	0.08	< 0.005	—	905

User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.08	0.04	0.76	0.64	< 0.005	0.06	—	0.06	0.06	—	0.06	—	903	903	0.08	< 0.005	—	905
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.02	0.01	0.14	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	149	149	0.01	< 0.005	—	150
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.02	0.01	0.14	0.12	< 0.005	0.01	—	0.01	0.01	—	0.01	—	149	149	0.01	< 0.005	—	150

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	2.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Landsca Equipment	0.74	0.69	0.04	4.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	17.2	17.2	< 0.005	< 0.005	—	17.3
Total	0.74	2.99	0.04	4.18	< 0.005	0.01	—	0.01	0.01	—	0.01	—	17.2	17.2	< 0.005	< 0.005	—	17.3
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consum er Products	—	2.06	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coatings	—	0.25	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	2.31	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consum er Products	—	0.38	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coatings	—	0.05	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipme nt	0.09	0.09	< 0.005	0.52	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.95	1.95	< 0.005	< 0.005	—	1.96
Total	0.09	0.51	< 0.005	0.52	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	1.95	1.95	< 0.005	< 0.005	—	1.96

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	42.5	146	189	4.38	0.11	—	329
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	42.5	146	189	4.38	0.11	—	329
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	42.5	146	189	4.38	0.11	—	329
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	42.5	146	189	4.38	0.11	—	329
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	7.04	24.2	31.2	0.72	0.02	—	54.5

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	7.04	24.2	31.2	0.72	0.02	—	54.5

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	48.6	0.00	48.6	4.86	0.00	—	170
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	48.6	0.00	48.6	4.86	0.00	—	170
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	48.6	0.00	48.6	4.86	0.00	—	170

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	48.6	0.00	48.6	4.86	0.00	—	170
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	8.05	0.00	8.05	0.80	0.00	—	28.2
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	8.05	0.00	8.05	0.80	0.00	—	28.2

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	98.0	98.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	98.0	98.0

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	98.0	98.0
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	98.0	98.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.2	16.2
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	16.2	16.2

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	108	9.37	3.74	28,796	2,026	176	70.4	541,132
User Defined Industrial	57.9	5.03	2.02	15,465	1,314	114	45.8	351,017
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	145,303	48,434	1,437

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	441,826	349	0.0330	0.0040	1,408,044
User Defined Industrial	0.00	349	0.0330	0.0040	0.00
Parking Lot	0.00	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	22,200,000	322,943

User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	90.2	0.00
User Defined Industrial	0.00	0.00
Parking Lot	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

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

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

8. User Changes to Default Data

Screen	Justification

Land Use	Project areas based on information consistent with the Traffic analysis and Site Plan
Operations: Vehicle Data	Trip characteristics based on information provided in the Traffic analysis
Operations: Fleet Mix	Passenger Car Mix estimated based on the CalEEMod default fleet mix and the ratio of the vehicle classes (LDA, LDT1, LDT2, MDV, & MCY). Truck Mix based on information in the Traffic analysis
Operations: Refrigerants	Per 17 CCR 95371, new refrigeration equipment containing >50 lbs of refrigerant in new facilities is prohibited from utilizing refrigerants with a GWP of 150 or greater as of 1 Jan 2022.

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APPENDIX 2.2:

EMFAC EMISSIONS SUMMARY

Emissions	Phase	Lb/Day	# Days	Emissions	Avg/Lb Day	Avg/Hourly
On-Site	Demolition	1.49	20	29.8	1.49	0.18625
Exhaust PM-10	Site Preparation	2.53	10	25.3	2.53	0.31625
	Grading	1.96	30	58.8	1.96	0.245
	Building Construction	1.89	180	340.2	1.89	0.23625
	Paving	0.39	20	7.8	0.39	0.04875
	Architectural Coatings	0.05	40	1.8	0.045	0.005625
		8.31	240	463.7	1.932083333	0.241510417
Off-Site	Demolition	1.00E-02	20	0.2	0.01	0.00125
Exhaust PM-10	Site Preparation	5.00E-03	10	0.05	0.005	0.000625
	Grading	2.05E-01	30	6.15	0.205	0.025625
	Building Construction	2.00E-02	180	3.6	0.02	0.0025
	Paving	0.00E+00	20	0	0	0
	Architectural Coatings	0.00E+00	40	0	0	0
		2.40E-01	240	10	0.041666667	0.005208333

	Phase	Start Date	End Date	No. Days
	Demolition	3/1/2023	3/28/2023	20
	Site Preparation	3/29/2023	4/11/2023	10
	Grading	4/12/2023	5/23/2023	30
	Building Construction	5/24/2023	1/30/2024	180
	Paving	1/3/2024	1/30/2024	20
	Arch Coatings	12/6/2023	1/30/2024	40
			Total Days of Construction	**240**

AVERAGE EMISSION FACTOR
RIVERSIDE COUNTY 2024

Speed	LHD1	LHD2	MHD	HHD
0	0.364164	0.578609	0.062209	0.01271
5	0.048579	0.069107	0.036909	0.01206
25	0.022221	0.03303	0.009618	0.00621

Speed	**Weighted Average Emissions**
0	**0.09198**
5	**0.02425**
25	**0.01010**

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 - Bldg 1	69			0.0920	1.59	1.836E-05
On-Site Idling - Bldg 2	29			0.0920	0.67	7.719E-06
On-Site Travel - Bldg 1	138	18.47	0.0242		0.45	5.184E-06
On-Site Travel - Bldg 2	58	15.31	0.0242		0.37	4.298E-06
Off-Site Travel - Magnolia Avenue 100% Inbound/Outbound	196	91.08	0.0101		0.92	1.064E-05

[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.

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

Source: EMFAC2021 (v1.0.2) Emissions Inventory
Region Type: Sub-Area
Region: Riverside (SC)
Calendar Year: 2024
Season: Annual
Vehicle Classification: EMFAC2007 Categories
Units: miles/day for CVMT and EVMT, trips/day for Trips, kWh/day for Energy Consumption, tons/day for Emissions, 1000 gallons/day for Fuel Consumption

Region	Calendar `	Vehicle Ca	Model Yea	Speed	Fuel	Population
Riverside	2024	HHDT	Aggregate	Aggregate	Gasoline	7.58948
Riverside	2024	HHDT	Aggregate	Aggregate	Diesel	14792
Riverside	2024	HHDT	Aggregate	Aggregate	Natural Ga	740.071
Riverside	2024	LHDT1	Aggregate	Aggregate	Gasoline	17828.7
Riverside	2024	LHDT1	Aggregate	Aggregate	Diesel	15247.6
Riverside	2024	LHDT2	Aggregate	Aggregate	Gasoline	2494.68
Riverside	2024	LHDT2	Aggregate	Aggregate	Diesel	6844.93
Riverside	2024	MHDT	Aggregate	Aggregate	Gasoline	1238
Riverside	2024	MHDT	Aggregate	Aggregate	Diesel	12954.4
Riverside	2024	MHDT	Aggregate	Aggregate	Natural Ga	158.047

HHDT% GAS/NG	0.04811
HHDT% DSL	0.95189
LHDT1% GAS	0.53902
LHDT1% DSL	0.46098
LHDT2% GAS	0.26711
LHDT2% DSL	0.73289
MHDT% GAS	0.08723
MHDT% DSL	0.91277

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APPENDIX 2.3:

AERMOD MODEL INPUT/OUTPUT

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 6/22/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13566 Magnolia\13566 Construction\13566
Construction.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13566 Magnolia\13566 Ops\13566
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 2189641 Riverside_County
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "13566 Construction.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 = SLINE5
** DESCRSRC Magnolia 100%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.0006562389
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 6
** 450413.484, 3747793.431, 197.47, 3.49, 6.51
** 450330.018, 3747731.176, 198.11, 3.49, 6.51
** 450196.418, 3747652.117, 199.27, 3.49, 6.51
** 450085.956, 3747579.946, 198.61, 3.49, 6.51
** 449908.006, 3747456.537, 201.64, 3.49, 6.51
** 449792.310, 3747377.754, 208.23, 3.49, 6.51
** ------------------------------------------------------------------------
   LOCATION L0000319     VOLUME   450407.873 3747789.246 197.45
   LOCATION L0000320     VOLUME   450396.651 3747780.876 197.51
   LOCATION L0000321     VOLUME   450385.429 3747772.505 197.79
   LOCATION L0000322     VOLUME   450374.207 3747764.135 198.00
   LOCATION L0000323     VOLUME   450362.984 3747755.765 198.00
   LOCATION L0000324     VOLUME   450351.762 3747747.394 198.00
   LOCATION L0000325     VOLUME   450340.540 3747739.024 198.00
   LOCATION L0000326     VOLUME   450329.266 3747730.731 198.18
   LOCATION L0000327     VOLUME   450317.218 3747723.601 198.42
   LOCATION L0000328     VOLUME   450305.169 3747716.471 198.56
   LOCATION L0000329     VOLUME   450293.121 3747709.342 198.41
   LOCATION L0000330     VOLUME   450281.072 3747702.212 198.18
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   LOCATION L0000331     VOLUME   450269.024 3747695.082 198.50
   LOCATION L0000332     VOLUME   450256.975 3747687.953 199.06
   LOCATION L0000333     VOLUME   450244.927 3747680.823 199.69
   LOCATION L0000334     VOLUME   450232.878 3747673.693 200.08
   LOCATION L0000335     VOLUME   450220.830 3747666.563 200.32
   LOCATION L0000336     VOLUME   450208.781 3747659.434 199.84
   LOCATION L0000337     VOLUME   450196.733 3747652.304 199.28
   LOCATION L0000338     VOLUME   450185.004 3747644.660 199.06
   LOCATION L0000339     VOLUME   450173.284 3747637.002 199.47
   LOCATION L0000340     VOLUME   450161.564 3747629.345 200.08
   LOCATION L0000341     VOLUME   450149.843 3747621.687 200.37
   LOCATION L0000342     VOLUME   450138.123 3747614.030 200.31
   LOCATION L0000343     VOLUME   450126.403 3747606.372 199.90
   LOCATION L0000344     VOLUME   450114.683 3747598.715 199.51
   LOCATION L0000345     VOLUME   450102.963 3747591.057 199.11
   LOCATION L0000346     VOLUME   450091.243 3747583.400 198.82
   LOCATION L0000347     VOLUME   450079.641 3747575.566 198.69
   LOCATION L0000348     VOLUME   450068.137 3747567.588 198.62
   LOCATION L0000349     VOLUME   450056.632 3747559.610 198.89
   LOCATION L0000350     VOLUME   450045.128 3747551.631 199.03
   LOCATION L0000351     VOLUME   450033.624 3747543.653 198.89
   LOCATION L0000352     VOLUME   450022.120 3747535.675 198.82
   LOCATION L0000353     VOLUME   450010.615 3747527.697 198.95
   LOCATION L0000354     VOLUME   449999.111 3747519.719 199.22
   LOCATION L0000355     VOLUME   449987.607 3747511.740 199.48
   LOCATION L0000356     VOLUME   449976.102 3747503.762 199.72
   LOCATION L0000357     VOLUME   449964.598 3747495.784 200.01
   LOCATION L0000358     VOLUME   449953.094 3747487.806 200.28
   LOCATION L0000359     VOLUME   449941.590 3747479.828 200.55
   LOCATION L0000360     VOLUME   449930.085 3747471.849 200.81
   LOCATION L0000361     VOLUME   449918.581 3747463.871 201.18
   LOCATION L0000362     VOLUME   449907.071 3747455.901 201.96
   LOCATION L0000363     VOLUME   449895.500 3747448.021 202.53
   LOCATION L0000364     VOLUME   449883.928 3747440.141 203.19
   LOCATION L0000365     VOLUME   449872.356 3747432.261 204.26
   LOCATION L0000366     VOLUME   449860.784 3747424.382 204.95
   LOCATION L0000367     VOLUME   449849.212 3747416.502 205.57
   LOCATION L0000368     VOLUME   449837.640 3747408.622 206.40
   LOCATION L0000369     VOLUME   449826.068 3747400.742 207.02
   LOCATION L0000370     VOLUME   449814.497 3747392.862 207.22
   LOCATION L0000371     VOLUME   449802.925 3747384.982 207.63
** End of LINE VOLUME Source ID = SLINE5
   LOCATION VOL1         VOLUME     450159.480  3747983.120      194.770
   LOCATION VOL2         VOLUME     450165.827  3747923.828      195.000
   LOCATION VOL3         VOLUME     450173.492  3747865.234      195.840
   LOCATION VOL4         VOLUME     450178.934  3747806.715      196.000
   LOCATION VOL5         VOLUME     450185.022  3747748.406      196.940
   LOCATION VOL6         VOLUME     450194.155  3747702.743      198.040
   LOCATION VOL7         VOLUME     450243.853  3747741.182      197.810
   LOCATION VOL8         VOLUME     450237.424  3747799.892      197.000
   LOCATION VOL9         VOLUME     450232.009  3747858.939      196.950
   LOCATION VOL10        VOLUME     450224.396  3747917.141      196.000
   LOCATION VOL11        VOLUME     450218.136  3747975.342      195.030
   LOCATION VOL12        VOLUME     450276.845  3747960.623      195.520
   LOCATION VOL13        VOLUME     450283.105  3747902.083      196.410
   LOCATION VOL14        VOLUME     450289.873  3747843.712      197.000
   LOCATION VOL15        VOLUME     450295.625  3747785.172      197.660
   LOCATION VOL16        VOLUME     450348.243  3747807.336      197.000
   LOCATION VOL17        VOLUME     450341.983  3747866.214      196.610
   LOCATION VOL18        VOLUME     450335.554  3747924.923      195.750
   LOCATION VOL19        VOLUME     450399.508  3747844.389      196.390
   LOCATION VOL20        VOLUME     450379.036  3747892.100      195.800
** Source Parameters **
** LINE VOLUME Source ID = SLINE5
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   SRCPARAM L0000320     0.0000123819      3.49      6.51      3.25
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   SRCPARAM L0000322     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000323     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000324     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000325     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000326     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000327     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000328     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000329     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000330     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000331     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000332     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000333     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000334     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000335     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000336     0.0000123819      3.49      6.51      3.25
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   SRCPARAM L0000361     0.0000123819      3.49      6.51      3.25
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   SRCPARAM L0000363     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000364     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000365     0.0000123819      3.49      6.51      3.25
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** ----------------------------------------------------------------
   SRCPARAM VOL1         0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL2         0.0015214901     5.000    13.567     1.400
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   SRCPARAM VOL4         0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL5         0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL6         0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL7         0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL8         0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL9         0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL10        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL11        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL12        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL13        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL14        0.0015214901     5.000    13.567     1.400
```

```
   SRCPARAM VOL15        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL16        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL17        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL18        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL19        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL20        0.0015214901     5.000    13.567     1.400
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT L0000319     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000319     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000319     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000319     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000320     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000343     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000343     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000344     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000344     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000344     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000344     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000345     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000345     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000345     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000345     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000346     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000346     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000346     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000347     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000348     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000348     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000348     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000348     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000349     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000350     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000351     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000351     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000351     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000351     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000352     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000352     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000352     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000352     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000353     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000353     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000353     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000353     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000354     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000354     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000354     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000354     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000355     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000355     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000355     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000355     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000356     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000356     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000356     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000356     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000357     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000357     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000357     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000357     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000358     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000358     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000358     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000358     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000359     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000359     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000359     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000359     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000360     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000360     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000360     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000360     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000361     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000361     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000361     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000361     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000362     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000362     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000362     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000362     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000363     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000363     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000363     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000363     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000364     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000364     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000364     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000364     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000365     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000365     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000365     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000365     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000366     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000366     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000366     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000366     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000367     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000367     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000367     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000367     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000368     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000368     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000368     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000368     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000369     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000369     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000369     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000369     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000370     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000370     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000370     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000370     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000371     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000371     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000371     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000371     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** 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:
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   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** 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
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

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   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

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** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13566 Construction.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC
   PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   PROFBASE 245.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "13566 CONSTRUCTION.AD\AN00GALL.PLT" 31
   SUMMFILE "13566 Construction.sum"
OU FINISHED
**
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** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
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** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
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**
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 6/22/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13566 Magnolia\13566 Construction\13566
Construction.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13566 Magnolia\13566 Ops\13566
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 2189641 Riverside_County
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "13566 Construction.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 = SLINE5
** DESCRSRC Magnolia 100%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.0006562389
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 6
** 450413.484, 3747793.431, 197.47, 3.49, 6.51
** 450330.018, 3747731.176, 198.11, 3.49, 6.51
** 450196.418, 3747652.117, 199.27, 3.49, 6.51
** 450085.956, 3747579.946, 198.61, 3.49, 6.51
** 449908.006, 3747456.537, 201.64, 3.49, 6.51
** 449792.310, 3747377.754, 208.23, 3.49, 6.51
** ------------------------------------------------------------------------
   LOCATION L0000319     VOLUME   450407.873 3747789.246 197.45
   LOCATION L0000320     VOLUME   450396.651 3747780.876 197.51
   LOCATION L0000321     VOLUME   450385.429 3747772.505 197.79
   LOCATION L0000322     VOLUME   450374.207 3747764.135 198.00
   LOCATION L0000323     VOLUME   450362.984 3747755.765 198.00
   LOCATION L0000324     VOLUME   450351.762 3747747.394 198.00
   LOCATION L0000325     VOLUME   450340.540 3747739.024 198.00
   LOCATION L0000326     VOLUME   450329.266 3747730.731 198.18
   LOCATION L0000327     VOLUME   450317.218 3747723.601 198.42
   LOCATION L0000328     VOLUME   450305.169 3747716.471 198.56
   LOCATION L0000329     VOLUME   450293.121 3747709.342 198.41
   LOCATION L0000330     VOLUME   450281.072 3747702.212 198.18
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   LOCATION L0000331     VOLUME   450269.024 3747695.082 198.50
   LOCATION L0000332     VOLUME   450256.975 3747687.953 199.06
   LOCATION L0000333     VOLUME   450244.927 3747680.823 199.69
   LOCATION L0000334     VOLUME   450232.878 3747673.693 200.08
   LOCATION L0000335     VOLUME   450220.830 3747666.563 200.32
   LOCATION L0000336     VOLUME   450208.781 3747659.434 199.84
   LOCATION L0000337     VOLUME   450196.733 3747652.304 199.28
   LOCATION L0000338     VOLUME   450185.004 3747644.660 199.06
   LOCATION L0000339     VOLUME   450173.284 3747637.002 199.47
   LOCATION L0000340     VOLUME   450161.564 3747629.345 200.08
   LOCATION L0000341     VOLUME   450149.843 3747621.687 200.37
   LOCATION L0000342     VOLUME   450138.123 3747614.030 200.31
   LOCATION L0000343     VOLUME   450126.403 3747606.372 199.90
   LOCATION L0000344     VOLUME   450114.683 3747598.715 199.51
   LOCATION L0000345     VOLUME   450102.963 3747591.057 199.11
   LOCATION L0000346     VOLUME   450091.243 3747583.400 198.82
   LOCATION L0000347     VOLUME   450079.641 3747575.566 198.69
   LOCATION L0000348     VOLUME   450068.137 3747567.588 198.62
   LOCATION L0000349     VOLUME   450056.632 3747559.610 198.89
   LOCATION L0000350     VOLUME   450045.128 3747551.631 199.03
   LOCATION L0000351     VOLUME   450033.624 3747543.653 198.89
   LOCATION L0000352     VOLUME   450022.120 3747535.675 198.82
   LOCATION L0000353     VOLUME   450010.615 3747527.697 198.95
   LOCATION L0000354     VOLUME   449999.111 3747519.719 199.22
   LOCATION L0000355     VOLUME   449987.607 3747511.740 199.48
   LOCATION L0000356     VOLUME   449976.102 3747503.762 199.72
   LOCATION L0000357     VOLUME   449964.598 3747495.784 200.01
   LOCATION L0000358     VOLUME   449953.094 3747487.806 200.28
   LOCATION L0000359     VOLUME   449941.590 3747479.828 200.55
   LOCATION L0000360     VOLUME   449930.085 3747471.849 200.81
   LOCATION L0000361     VOLUME   449918.581 3747463.871 201.18
   LOCATION L0000362     VOLUME   449907.071 3747455.901 201.96
   LOCATION L0000363     VOLUME   449895.500 3747448.021 202.53
   LOCATION L0000364     VOLUME   449883.928 3747440.141 203.19
   LOCATION L0000365     VOLUME   449872.356 3747432.261 204.26
   LOCATION L0000366     VOLUME   449860.784 3747424.382 204.95
   LOCATION L0000367     VOLUME   449849.212 3747416.502 205.57
   LOCATION L0000368     VOLUME   449837.640 3747408.622 206.40
   LOCATION L0000369     VOLUME   449826.068 3747400.742 207.02
   LOCATION L0000370     VOLUME   449814.497 3747392.862 207.22
   LOCATION L0000371     VOLUME   449802.925 3747384.982 207.63
** End of LINE VOLUME Source ID = SLINE5
   LOCATION VOL1         VOLUME     450159.480  3747983.120      194.770
   LOCATION VOL2         VOLUME     450165.827  3747923.828      195.000
   LOCATION VOL3         VOLUME     450173.492  3747865.234      195.840
   LOCATION VOL4         VOLUME     450178.934  3747806.715      196.000
   LOCATION VOL5         VOLUME     450185.022  3747748.406      196.940
   LOCATION VOL6         VOLUME     450194.155  3747702.743      198.040
   LOCATION VOL7         VOLUME     450243.853  3747741.182      197.810
   LOCATION VOL8         VOLUME     450237.424  3747799.892      197.000
   LOCATION VOL9         VOLUME     450232.009  3747858.939      196.950
   LOCATION VOL10        VOLUME     450224.396  3747917.141      196.000
   LOCATION VOL11        VOLUME     450218.136  3747975.342      195.030
   LOCATION VOL12        VOLUME     450276.845  3747960.623      195.520
   LOCATION VOL13        VOLUME     450283.105  3747902.083      196.410
   LOCATION VOL14        VOLUME     450289.873  3747843.712      197.000
   LOCATION VOL15        VOLUME     450295.625  3747785.172      197.660
   LOCATION VOL16        VOLUME     450348.243  3747807.336      197.000
   LOCATION VOL17        VOLUME     450341.983  3747866.214      196.610
   LOCATION VOL18        VOLUME     450335.554  3747924.923      195.750
   LOCATION VOL19        VOLUME     450399.508  3747844.389      196.390
   LOCATION VOL20        VOLUME     450379.036  3747892.100      195.800
** Source Parameters **
** LINE VOLUME Source ID = SLINE5
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   SRCPARAM L0000320     0.0000123819      3.49      6.51      3.25
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   SRCPARAM L0000321     0.0000123819      3.49      6.51      3.25
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   SRCPARAM L0000323     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000324     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000325     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000326     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000327     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000328     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000329     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000330     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000331     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000332     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000333     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000334     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000335     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000336     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000337     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000338     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000339     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000340     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000341     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000342     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000343     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000344     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000345     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000346     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000347     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000348     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000349     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000350     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000351     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000352     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000353     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000354     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000355     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000356     0.0000123819      3.49      6.51      3.25
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   SRCPARAM L0000358     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000359     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000360     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000361     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000362     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000363     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000364     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000365     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000366     0.0000123819      3.49      6.51      3.25
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   SRCPARAM L0000368     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000369     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000370     0.0000123819      3.49      6.51      3.25
   SRCPARAM L0000371     0.0000123819      3.49      6.51      3.25
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   SRCPARAM VOL2         0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL3         0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL4         0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL5         0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL6         0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL7         0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL8         0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL9         0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL10        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL11        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL12        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL13        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL14        0.0015214901     5.000    13.567     1.400
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   SRCPARAM VOL15        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL16        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL17        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL18        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL19        0.0015214901     5.000    13.567     1.400
   SRCPARAM VOL20        0.0015214901     5.000    13.567     1.400
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT L0000319     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000319     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000319     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000319     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000320     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000320     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000320     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000320     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000321     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000321     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000321     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000321     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000322     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000322     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000322     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000322     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000323     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000323     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000323     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000323     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000324     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000324     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000324     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000324     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000325     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000325     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000325     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000325     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000326     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000326     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000326     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000326     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000327     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000327     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000327     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000327     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000328     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000328     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000328     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000328     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000329     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000329     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000329     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000329     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000330     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000330     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000330     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000330     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000331     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000331     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000331     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT L0000332     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000332     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000332     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0000332     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000333     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000333     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000333     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000333     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000334     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000334     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000334     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000334     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000335     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000335     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000335     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000335     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000336     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000336     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000336     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000336     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000337     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000337     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000337     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000338     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000338     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000338     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000338     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000339     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000339     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000339     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000339     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000340     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000340     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000340     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0000341     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000341     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0000342     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000342     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0000343     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000344     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000345     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0000346     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000346     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000347     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000347     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000347     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0000348     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000348     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000348     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000348     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000349     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000349     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0000350     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000350     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000350     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000350     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000351     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000351     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000351     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000351     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000352     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000352     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000352     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000352     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000353     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000353     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000354     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000354     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000354     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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EMISFACT L0000355     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000355     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000355     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000356     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000356     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000356     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000356     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000357     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000362     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000362     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000362     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000363     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000363     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000363     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000363     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000364     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000364     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000364     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT L0000364     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000365     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000365     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT L0000365     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT L0000366     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000366     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000366     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000366     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000367     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000367     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000367     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000367     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000368     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000368     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000368     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000368     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000369     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000369     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000369     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000369     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000370     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000370     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000370     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000370     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000371     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000371     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000371     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000371     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT L0000319     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000319     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000319     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000320     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000320     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000320     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000320     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000321     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000321     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000321     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000321     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000322     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000322     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000322     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000322     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000323     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000323     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000323     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000323     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000324     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000324     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000324     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000324     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000325     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000325     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000325     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000325     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000326     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000338     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000338     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000338     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000338     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000339     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000339     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000339     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000339     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000340     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000340     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000340     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000340     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000341     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000341     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000341     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000341     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000342     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000342     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000342     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000342     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000343     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000343     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000343     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000343     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000344     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000344     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000344     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000344     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000345     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000345     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000345     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000345     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000346     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000346     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000346     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000346     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000347     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000347     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000347     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000347     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000348     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000348     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000348     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000348     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000349     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000349     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000349     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000349     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000350     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000350     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000350     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000351     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000351     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000351     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000351     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000352     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000352     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000352     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000352     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000353     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000353     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000353     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000353     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000354     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000354     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000354     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000354     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000355     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000355     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000355     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000355     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000356     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000356     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000356     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000356     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000357     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000357     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000357     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000357     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000358     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000358     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000358     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000358     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000359     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000359     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000359     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000359     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000360     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000360     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000360     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000360     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000361     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000361     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000361     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000361     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000362     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000362     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000362     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000362     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000363     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000363     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000363     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000363     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000364     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000364     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000364     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000364     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000365     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000365     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000365     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000365     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000366     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000366     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000366     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000366     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000367     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000367     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000367     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000367     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000368     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000368     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000368     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000368     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000369     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000369     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000369     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000369     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000370     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000370     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000370     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000370     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000371     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000371     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000371     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000371     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** 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:
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   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** 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
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "13566 Construction.rou"
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC
   PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   PROFBASE 245.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "13566 CONSTRUCTION.AD\AN00GALL.PLT" 31
   SUMMFILE "13566 Construction.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------
```

```
 A Total of             0 Fatal Error Message(s)
 A Total of             2 Warning Message(s)
 A Total of             0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 ME W186    1170       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used           0.50
 ME W187    1170       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        12:51:58

                        PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                             ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - -

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

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

 **Model Uses URBAN Dispersion Algorithm for the SBL for    73 Source(s),
   for Total of    1 Urban Area(s):
   Urban Population =   2189641.0 ;  Urban Roughness Length =  1.000 m

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

 **Other Options Specified:
         ADJ_U*   - Use ADJ_U* option for SBL in AERMET
         CCVR_Sub - Meteorological data includes CCVR substitutions
         TEMP_Sub - Meteorological data includes TEMP substitutions

 **Model Assumes No FLAGPOLE Receptor Heights.

 **The User Specified a Pollutant Type of:  DPM

 **Model Calculates ANNUAL Averages Only

 **This Run Includes:     73 Source(s);       1 Source Group(s); and      89 Receptor(s)

              with:      0 POINT(s), including
                         0 POINTCAP(s) and      0 POINTHOR(s)
               and:     73 VOLUME source(s)
               and:      0 AREA type source(s)
```

```
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

 **Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   245.00 ;  Decay Coef. =
0.000     ;  Rot. Angle =     0.0
                Emission Units = GRAMS/SEC                                ;  Emission Rate
                Unit Factor =   0.10000E+07
                Output Units   = MICROGRAMS/M**3

 **Approximate Storage Requirements of Model =      3.6 MB of RAM.

 **Input Runstream File:
 aermod.inp
 **Output Print File:
 aermod.out

 **Detailed Error/Message File:   13566
 Construction.err
 **File for Summary of Results:   13566
 Construction.sum
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        12:51:58

                     PAGE   2
 *** 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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - -

 L0000319         0   0.12382E-04  450407.9 3747789.2   197.5     3.49     6.51     3.25
 YES   HRDOW
 L0000320         0   0.12382E-04  450396.7 3747780.9   197.5     3.49     6.51     3.25
 YES   HRDOW
 L0000321         0   0.12382E-04  450385.4 3747772.5   197.8     3.49     6.51     3.25
 YES   HRDOW
 L0000322         0   0.12382E-04  450374.2 3747764.1   198.0     3.49     6.51     3.25
 YES   HRDOW
 L0000323         0   0.12382E-04  450363.0 3747755.8   198.0     3.49     6.51     3.25
```

YES HRDOW								
L0000324	0	0.12382E-04	450351.8	3747747.4	198.0	3.49	6.51	3.25
YES HRDOW								
L0000325	0	0.12382E-04	450340.5	3747739.0	198.0	3.49	6.51	3.25
YES HRDOW								
L0000326	0	0.12382E-04	450329.3	3747730.7	198.2	3.49	6.51	3.25
YES HRDOW								
L0000327	0	0.12382E-04	450317.2	3747723.6	198.4	3.49	6.51	3.25
YES HRDOW								
L0000328	0	0.12382E-04	450305.2	3747716.5	198.6	3.49	6.51	3.25
YES HRDOW								
L0000329	0	0.12382E-04	450293.1	3747709.3	198.4	3.49	6.51	3.25
YES HRDOW								
L0000330	0	0.12382E-04	450281.1	3747702.2	198.2	3.49	6.51	3.25
YES HRDOW								
L0000331	0	0.12382E-04	450269.0	3747695.1	198.5	3.49	6.51	3.25
YES HRDOW								
L0000332	0	0.12382E-04	450257.0	3747688.0	199.1	3.49	6.51	3.25
YES HRDOW								
L0000333	0	0.12382E-04	450244.9	3747680.8	199.7	3.49	6.51	3.25
YES HRDOW								
L0000334	0	0.12382E-04	450232.9	3747673.7	200.1	3.49	6.51	3.25
YES HRDOW								
L0000335	0	0.12382E-04	450220.8	3747666.6	200.3	3.49	6.51	3.25
YES HRDOW								
L0000336	0	0.12382E-04	450208.8	3747659.4	199.8	3.49	6.51	3.25
YES HRDOW								
L0000337	0	0.12382E-04	450196.7	3747652.3	199.3	3.49	6.51	3.25
YES HRDOW								
L0000338	0	0.12382E-04	450185.0	3747644.7	199.1	3.49	6.51	3.25
YES HRDOW								
L0000339	0	0.12382E-04	450173.3	3747637.0	199.5	3.49	6.51	3.25
YES HRDOW								
L0000340	0	0.12382E-04	450161.6	3747629.3	200.1	3.49	6.51	3.25
YES HRDOW								
L0000341	0	0.12382E-04	450149.8	3747621.7	200.4	3.49	6.51	3.25
YES HRDOW								
L0000342	0	0.12382E-04	450138.1	3747614.0	200.3	3.49	6.51	3.25
YES HRDOW								
L0000343	0	0.12382E-04	450126.4	3747606.4	199.9	3.49	6.51	3.25
YES HRDOW								
L0000344	0	0.12382E-04	450114.7	3747598.7	199.5	3.49	6.51	3.25
YES HRDOW								
L0000345	0	0.12382E-04	450103.0	3747591.1	199.1	3.49	6.51	3.25
YES HRDOW								
L0000346	0	0.12382E-04	450091.2	3747583.4	198.8	3.49	6.51	3.25
YES HRDOW								
L0000347	0	0.12382E-04	450079.6	3747575.6	198.7	3.49	6.51	3.25
YES HRDOW								
L0000348	0	0.12382E-04	450068.1	3747567.6	198.6	3.49	6.51	3.25
YES HRDOW								
L0000349	0	0.12382E-04	450056.6	3747559.6	198.9	3.49	6.51	3.25
YES HRDOW								
L0000350	0	0.12382E-04	450045.1	3747551.6	199.0	3.49	6.51	3.25
YES HRDOW								
L0000351	0	0.12382E-04	450033.6	3747543.7	198.9	3.49	6.51	3.25
YES HRDOW								
L0000352	0	0.12382E-04	450022.1	3747535.7	198.8	3.49	6.51	3.25
YES HRDOW								
L0000353	0	0.12382E-04	450010.6	3747527.7	199.0	3.49	6.51	3.25
YES HRDOW								
L0000354	0	0.12382E-04	449999.1	3747519.7	199.2	3.49	6.51	3.25
YES HRDOW								
L0000355	0	0.12382E-04	449987.6	3747511.7	199.5	3.49	6.51	3.25
YES HRDOW								
L0000356	0	0.12382E-04	449976.1	3747503.8	199.7	3.49	6.51	3.25

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0000357	0	0.12382E-04	449964.6	3747495.8	200.0	3.49	6.51	3.25
YES	HRDOW							
L0000358	0	0.12382E-04	449953.1	3747487.8	200.3	3.49	6.51	3.25
YES	HRDOW							
L0000359	0	0.12382E-04	449941.6	3747479.8	200.6	3.49	6.51	3.25
YES	HRDOW							
L0000360	0	0.12382E-04	449930.1	3747471.8	200.8	3.49	6.51	3.25
YES	HRDOW							
L0000361	0	0.12382E-04	449918.6	3747463.9	201.2	3.49	6.51	3.25
YES	HRDOW							
L0000362	0	0.12382E-04	449907.1	3747455.9	202.0	3.49	6.51	3.25
YES	HRDOW							
L0000363	0	0.12382E-04	449895.5	3747448.0	202.5	3.49	6.51	3.25
YES	HRDOW							
L0000364	0	0.12382E-04	449883.9	3747440.1	203.2	3.49	6.51	3.25
YES	HRDOW							
L0000365	0	0.12382E-04	449872.4	3747432.3	204.3	3.49	6.51	3.25
YES	HRDOW							
L0000366	0	0.12382E-04	449860.8	3747424.4	205.0	3.49	6.51	3.25
YES	HRDOW							
L0000367	0	0.12382E-04	449849.2	3747416.5	205.6	3.49	6.51	3.25
YES	HRDOW							
L0000368	0	0.12382E-04	449837.6	3747408.6	206.4	3.49	6.51	3.25
YES	HRDOW							
L0000369	0	0.12382E-04	449826.1	3747400.7	207.0	3.49	6.51	3.25
YES	HRDOW							
L0000370	0	0.12382E-04	449814.5	3747392.9	207.2	3.49	6.51	3.25
YES	HRDOW							
L0000371	0	0.12382E-04	449802.9	3747385.0	207.6	3.49	6.51	3.25
YES	HRDOW							
VOL1	0	0.15215E-02	450159.5	3747983.1	194.8	5.00	13.57	1.40
YES	HRDOW							
VOL2	0	0.15215E-02	450165.8	3747923.8	195.0	5.00	13.57	1.40
YES	HRDOW							
VOL3	0	0.15215E-02	450173.5	3747865.2	195.8	5.00	13.57	1.40
YES	HRDOW							
VOL4	0	0.15215E-02	450178.9	3747806.7	196.0	5.00	13.57	1.40
YES	HRDOW							
VOL5	0	0.15215E-02	450185.0	3747748.4	196.9	5.00	13.57	1.40
YES	HRDOW							
VOL6	0	0.15215E-02	450194.2	3747702.7	198.0	5.00	13.57	1.40
YES	HRDOW							
VOL7	0	0.15215E-02	450243.9	3747741.2	197.8	5.00	13.57	1.40
YES	HRDOW							
VOL8	0	0.15215E-02	450237.4	3747799.9	197.0	5.00	13.57	1.40

```
 YES   HRDOW
 VOL9            0   0.15215E-02  450232.0 3747858.9   197.0     5.00    13.57     1.40
 YES   HRDOW
 VOL10           0   0.15215E-02  450224.4 3747917.1   196.0     5.00    13.57     1.40
 YES   HRDOW
 VOL11           0   0.15215E-02  450218.1 3747975.3   195.0     5.00    13.57     1.40
 YES   HRDOW
 VOL12           0   0.15215E-02  450276.8 3747960.6   195.5     5.00    13.57     1.40
 YES   HRDOW
 VOL13           0   0.15215E-02  450283.1 3747902.1   196.4     5.00    13.57     1.40
 YES   HRDOW
 VOL14           0   0.15215E-02  450289.9 3747843.7   197.0     5.00    13.57     1.40
 YES   HRDOW
 VOL15           0   0.15215E-02  450295.6 3747785.2   197.7     5.00    13.57     1.40
 YES   HRDOW
 VOL16           0   0.15215E-02  450348.2 3747807.3   197.0     5.00    13.57     1.40
 YES   HRDOW
 VOL17           0   0.15215E-02  450342.0 3747866.2   196.6     5.00    13.57     1.40
 YES   HRDOW
 VOL18           0   0.15215E-02  450335.6 3747924.9   195.8     5.00    13.57     1.40
 YES   HRDOW
 VOL19           0   0.15215E-02  450399.5 3747844.4   196.4     5.00    13.57     1.40
 YES   HRDOW
 VOL20           0   0.15215E-02  450379.0 3747892.1   195.8     5.00    13.57     1.40
 YES   HRDOW
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       12:51:58

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

 SRCGROUP ID                                          SOURCE IDs
 -----------                                          ----------


  ALL        L0000319    , L0000320    , L0000321    , L0000322    , L0000323    , L0000324    ,
  L0000325    , L0000326    ,

             L0000327    , L0000328    , L0000329    , L0000330    , L0000331    , L0000332    ,
             L0000333    , L0000334    ,

             L0000335    , L0000336    , L0000337    , L0000338    , L0000339    , L0000340    ,
             L0000341    , L0000342    ,

             L0000343    , L0000344    , L0000345    , L0000346    , L0000347    , L0000348    ,
             L0000349    , L0000350    ,

             L0000351    , L0000352    , L0000353    , L0000354    , L0000355    , L0000356    ,
             L0000357    , L0000358    ,

             L0000359    , L0000360    , L0000361    , L0000362    , L0000363    , L0000364    ,
             L0000365    , L0000366    ,

             L0000367    , L0000368    , L0000369    , L0000370    , L0000371    , VOL1        ,
             VOL2        , VOL3        ,

             VOL4        , VOL5        , VOL6        , VOL7        , VOL8        , VOL9        ,
             VOL10       , VOL11       ,

             VOL12       , VOL13       , VOL14       , VOL15       , VOL16       , VOL17       ,
             VOL18       , VOL19       ,
```

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

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	L0000319 , L0000320 , L0000321 , L0000322 , L0000323 , L0000324 , L0000325 , L0000326 ,

L0000327 , L0000328 , L0000329 , L0000330 , L0000331 , L0000332 , L0000333 , L0000334 ,

L0000335 , L0000336 , L0000337 , L0000338 , L0000339 , L0000340 , L0000341 , L0000342 ,

L0000343 , L0000344 , L0000345 , L0000346 , L0000347 , L0000348 , L0000349 , L0000350 ,

L0000351 , L0000352 , L0000353 , L0000354 , L0000355 , L0000356 , L0000357 , L0000358 ,

L0000359 , L0000360 , L0000361 , L0000362 , L0000363 , L0000364 , L0000365 , L0000366 ,

L0000367 , L0000368 , L0000369 , L0000370 , L0000371 , VOL1 , VOL2 , VOL3 ,

VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL9 , VOL10 , VOL11 ,

VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,

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

SOURCE ID = L0000319 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

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

```
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       12:51:58

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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 = L0000320     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       12:51:58

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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 = L0000321     ; SOURCE TYPE = VOLUME   :
```

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

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

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

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000322 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- -

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

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

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000323 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	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 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13566 Magnolia\13566 Ops\13566 *** 06/22/22
*** AERMET - VERSION 16216 ***
*** *** 12:51:58

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000324 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000325 ; 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								

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

SOURCE ID = L0000326 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

```
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        12:51:58

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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 = L0000327     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        12:51:58

                      PAGE  15
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000328     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
```

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000329 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

(HRDOW) *

SOURCE ID = L0000330 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- -
- - - - - - - - - - - - - - - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000331 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- -
- - - - - - - - - - - - - - - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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

SOURCE ID = L0000332 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000333 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

SOURCE ID = L0000334 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

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

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

SOURCE ID = L0000335 ; SOURCE TYPE = VOLUME :
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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000336 ; 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

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

SOURCE ID = L0000337 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

```
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        12:51:58

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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 = L0000338     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        12:51:58

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

SOURCE ID = L0000339 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000340 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = L0000341 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000342 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

```
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       12:51:58

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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 = L0000343     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       12:51:58

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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 = L0000344     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
```

```
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       12:51:58

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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 = L0000345     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       12:51:58

                     PAGE  33
 *** 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 = L0000346     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        12:51:58

                      PAGE  34
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000347     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
```

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

SOURCE ID = L0000348 ; 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								

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

SOURCE ID = L0000349 ; 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			

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

SOURCE ID = L0000350 ; 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								

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

SOURCE ID = L0000351 ; 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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                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                     (HRDOW) *

 SOURCE ID = L0000352     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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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                     * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                     (HRDOW) *

 SOURCE ID = L0000353     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
```

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

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

SOURCE ID = L0000354 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- -
- - - - - - - - - - - - - - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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

SOURCE ID = L0000355 ; 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								

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

SOURCE ID = L0000356 ; 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								

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

SOURCE ID = L0000357 ; 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								

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

SOURCE ID = L0000358 ; 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
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        12:51:58

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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 = L0000359     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        12:51:58

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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 = L0000360     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
```

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

DAY OF WEEK = SATURDAY

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

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

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

DAY OF WEEK = SUNDAY

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

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00

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

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

SOURCE ID = L0000361 ; 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

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

SOURCE ID = L0000362 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SCALAR HOUR SCALAR HOUR SCALAR

\- -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000363 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

\- -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000364 ; 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								

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

SOURCE ID = L0000365 ; 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	

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

SOURCE ID = L0000366 ; 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								

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

SOURCE ID = L0000367 ; 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												

DAY OF WEEK = SUNDAY

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

SOURCE ID = L0000368 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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

SOURCE ID = L0000369 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

```
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       12:51:58

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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 = L0000370     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       12:51:58

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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 = L0000371     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        12:51:58

                     PAGE  59
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL1         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
```

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*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

SOURCE ID = VOL2         ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***       06/22/22
*** AERMET - VERSION  16216 ***
***                                                                        ***       12:51:58

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*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

SOURCE ID = VOL3         ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
```

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


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

```
 SOURCE ID = VOL4         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
```


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

```
 SOURCE ID = VOL5         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
```

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :

HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

* 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

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL8 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

 SOURCE ID = VOL9          ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
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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   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

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

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

* 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
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       12:51:58

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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
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       12:51:58

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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
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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
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
 SOURCE ID = VOL15        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
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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 = 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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

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

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

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

*** 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
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	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 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13566 Magnolia\13566 Ops\13566 *** 06/22/22
*** AERMET - VERSION 16216 ***
*** *** 12:51:58

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :

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

* 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

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

(450135.2, 3748067.2, 194.0, 491.0, 0.0); (450162.1, 3748060.9, 193.9, 491.0, 0.0);
(450683.8, 3746906.5, 216.1, 1224.0, 0.0); (450625.5, 3746895.0, 220.0, 1224.0, 0.0);
(450571.6, 3746885.7, 220.1, 1224.0, 0.0); (450541.1, 3746852.1, 220.7, 1224.0, 0.0);
(450517.6, 3746819.0, 221.6, 1224.0, 0.0); (450441.2, 3746781.0, 222.7, 1224.0, 0.0);
(449595.9, 3747200.1, 221.0, 1224.0, 0.0); (449606.8, 3747174.6, 221.7, 1224.0, 0.0);
(449607.5, 3747155.8, 222.1, 1224.0, 0.0); (449421.5, 3747164.1, 224.1, 1224.0, 0.0);
(449388.1, 3747210.6, 223.5, 1224.0, 0.0); (449352.0, 3747261.4,

222.7,   1224.0,   0.0);
(449323.5, 3747311.0,   221.2,   1224.0,   0.0);   (449469.0, 3747444.4,
215.7,   1224.0,   0.0);
(449455.1, 3747462.0,   215.6,   1224.0,   0.0);   (449420.9, 3747503.6,
214.9,   1224.0,   0.0);
(449397.6, 3747533.7,   214.8,   1224.0,   0.0);   (449361.2, 3747577.7,
213.3,   1224.0,   0.0);
(449338.1, 3747607.5,   212.7,   1224.0,   0.0);   (449309.1, 3747645.5,
212.0,   1224.0,   0.0);
(449281.9, 3747678.8,   211.2,   1224.0,   0.0);   (449251.0, 3747718.1,
210.6,   1224.0,   0.0);
(449230.9, 3747741.8,   209.8,   1224.0,   0.0);   (449205.9, 3747774.3,
207.9,   1224.0,   0.0);
(449192.3, 3747791.7,   207.2,   1224.0,   0.0);   (449147.0, 3747848.7,
208.8,   1224.0,   0.0);
(449156.5, 3747809.9,   208.1,   1224.0,   0.0);   (449226.0, 3747876.4,
201.8,   1224.0,   0.0);
(449249.0, 3747901.9,   200.4,   1224.0,   0.0);   (449264.5, 3747925.0,
199.8,   1224.0,   0.0);
(451384.6, 3747982.4,   203.7,   491.0,   0.0);   (451375.3, 3747996.6,
203.2,   491.0,   0.0);
(451365.6, 3748009.8,   202.9,   491.0,   0.0);   (451357.2, 3748020.9,
202.5,   491.0,   0.0);
(451348.8, 3748034.1,   202.0,   491.0,   0.0);   (451339.5, 3748047.4,
201.8,   491.0,   0.0);
(451330.7, 3748059.8,   201.2,   491.0,   0.0);   (451322.3, 3748073.9,
201.0,   491.0,   0.0);
(451313.0, 3748087.6,   201.0,   491.0,   0.0);   (451305.0, 3748100.5,
201.0,   491.0,   0.0);
(451294.9, 3748115.0,   200.8,   491.0,   0.0);   (451287.8, 3748129.2,
200.6,   491.0,   0.0);
(451278.5, 3748139.8,   200.2,   491.0,   0.0);   (451268.8, 3748153.9,
200.0,   491.0,   0.0);
(451259.5, 3748165.0,   200.0,   491.0,   0.0);   (451242.8, 3748192.5,
200.0,   491.0,   0.0);
(451235.6, 3748206.1,   200.0,   491.0,   0.0);   (451225.1, 3748218.1,
200.0,   491.0,   0.0);
(451214.2, 3748232.8,   200.0,   491.0,   0.0);   (450994.6, 3748323.5,
198.0,   491.0,   0.0);
(450985.7, 3748337.3,   198.0,   491.0,   0.0);   (450978.3, 3748350.7,
197.7,   491.0,   0.0);
(450968.4, 3748360.6,   197.2,   491.0,   0.0);   (450962.4, 3748372.1,
197.0,   491.0,   0.0);
(450955.3, 3748383.3,   197.0,   491.0,   0.0);   (450946.7, 3748395.1,
197.0,   491.0,   0.0);
(450941.6, 3748405.3,   197.0,   491.0,   0.0);   (450933.9, 3748414.2,
197.0,   491.0,   0.0);
(450925.3, 3748428.3,   197.0,   491.0,   0.0);   (450918.3, 3748458.3,
197.1,   491.0,   0.0);
(450902.3, 3748477.5,   197.5,   491.0,   0.0);   (450884.1, 3748487.7,
197.2,   491.0,   0.0);
(450459.1, 3747940.5,   195.8,   491.0,   0.0);   (450466.9, 3748023.2,
196.7,   491.0,   0.0);
(450479.4, 3748049.8,   197.0,   491.0,   0.0);   (450385.8, 3748121.5,
196.0,   491.0,   0.0);
(450237.0, 3748129.3,   194.6,   491.0,   0.0);   (450297.3, 3748113.3,
195.0,   491.0,   0.0);
(450301.8, 3748067.3,   195.0,   491.0,   0.0);   (450069.9, 3747966.1,
194.0,   491.0,   0.0);
(450095.5, 3747899.3,   194.9,   491.0,   0.0);   (450104.4, 3747804.1,
195.8,   1224.0,   0.0);
(450108.2, 3747749.2,   196.2,   1224.0,   0.0);   (450118.1, 3747642.8,
198.7,   1224.0,   0.0);
(450372.1, 3747723.0,   198.4,   491.0,   0.0);   (450432.8, 3747772.2,
198.0,   491.0,   0.0);
(450275.6, 3747660.7,   199.7,   1224.0,   0.0);   (450552.6, 3747832.4,

```
    196.8,     491.0,       0.0);
    ( 450660.6, 3747897.9,     197.6,     491.0,       0.0);         ( 450192.7, 3747552.5,
    204.2,    1224.0,       0.0);
    ( 450040.2, 3747582.9,     198.1,    1224.0,       0.0);         ( 449970.3, 3747534.8,
    198.4,    1224.0,       0.0);
    ( 449916.5, 3747497.6,     199.8,    1224.0,       0.0);         ( 449562.8, 3746659.9,
    235.8,    1224.0,       0.0);
    ( 449441.2, 3746707.2,     236.3,    1224.0,       0.0);         ( 448683.5, 3747341.9,
    229.3,    1224.0,       0.0);
    ( 451771.0, 3748522.1,     204.6,     491.0,
    0.0);
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1
```

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

*** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES ***

(METERS/SEC)

1.54,   3.09,   5.14,   8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file:
KRAL_V9_ADJU\KRAL_v9.SFC   Met
Version: 16216
Profile file:
KRAL_V9_ADJU\KRAL_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Name: UNKNOWN UNKNOWN Year: 2012

Upper air station no.: 3190 Name: Year: 2012

First 24 hours of scalar data

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

First hour of profile data

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000319 , L0000320 , L0000321 , L0000322 , L0000323 ,
L0000324 , L0000325 , L0000326 , L0000327 , L0000328 ,
L0000329 , L0000330 , L0000331 ,
L0000332 , L0000333 , L0000334 , L0000335 , L0000336 ,
L0000337 , L0000338 , L0000339 ,
L0000340 , L0000341 , L0000342 , L0000343 , L0000344 ,
L0000345 , L0000346 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
450135.21	3748067.21	0.02518	450162.07	3748060.94	0.03256
450683.82	3746906.49	0.00052	450625.48	3746895.00	0.00053
450571.56	3746885.71	0.00055	450541.07	3746852.13	0.00054
450517.64	3746818.98	0.00052	450441.19	3746780.97	0.00054
449595.86	3747200.14	0.00133	449606.75	3747174.59	0.00131
449607.51	3747155.80	0.00128	449421.54	3747164.07	0.00094
449388.10	3747210.65	0.00093	449352.04	3747261.37	0.00092
449323.49	3747310.96	0.00092	449468.97	3747444.40	0.00134
449455.12	3747462.05	0.00131	449420.92	3747503.58	0.00124
449397.58	3747533.71	0.00120	449361.20	3747577.68	0.00112
449338.13	3747607.54	0.00107	449309.08	3747645.54	0.00100
449281.90	3747678.77	0.00094	449250.95	3747718.13	0.00087
449230.86	3747741.75	0.00083	449205.89	3747774.32	0.00078
449192.32	3747791.70	0.00076	449146.98	3747848.70	0.00067
449156.48	3747809.88	0.00070	449225.95	3747876.42	0.00077
449249.03	3747901.94	0.00079	449264.50	3747925.02	0.00080
451384.63	3747982.42	0.00304	451375.34	3747996.57	0.00300
451365.62	3748009.83	0.00297	451357.22	3748020.88	0.00293

451348.82 3748034.14 0.00288 451339.53
3748047.41 0.00283
451330.69 3748059.78 0.00278 451322.29
3748073.93 0.00271
451313.01 3748087.63 0.00265 451305.05
3748100.46 0.00258
451294.88 3748115.04 0.00251 451287.81
3748129.19 0.00243
451278.53 3748139.80 0.00238 451268.80
3748153.95 0.00231
451259.52 3748165.00 0.00225 451242.76
3748192.54 0.00210
451235.62 3748206.07 0.00202 451225.10
3748218.09 0.00197
451214.21 3748232.75 0.00190 450994.63
3748323.53 0.00172
450985.68 3748337.26 0.00166 450978.34
3748350.68 0.00159
450968.44 3748360.58 0.00156 450962.37
3748372.08 0.00151
450955.34 3748383.26 0.00146 450946.72
3748395.08 0.00142
450941.61 3748405.30 0.00138 450933.94
3748414.24 0.00134
450925.32 3748428.29 0.00130 450918.29
3748458.32 0.00119
450902.32 3748477.48 0.00113 450884.11
3748487.70 0.00112
450459.10 3747940.54 0.08298 450466.91
3748023.24 0.03006
450479.39 3748049.76 0.02129 450385.77
3748121.54 0.01307
450237.01 3748129.34 0.01415 450297.33
3748113.35 0.01654
450301.80 3748067.35 0.03060 450069.90
3747966.09 0.03466
450095.45 3747899.33 0.06350 450104.40
3747804.14 0.06933
450108.23 3747749.20 0.06526 450118.13
3747642.83 0.04010
450372.07 3747723.01 0.08998 450432.76
3747772.20 0.10495
450275.61 3747660.72 0.06825 450552.61
3747832.38 0.05854

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000319 , L0000320 , L0000321 , L0000322 , L0000323 ,
L0000324 , L0000325 , L0000326 , L0000327 , L0000328 , L0000329 , L0000330 , L0000331 ,
L0000332 , L0000333 , L0000334 , L0000335 , L0000336 , L0000337 , L0000338 , L0000339 ,
L0000340 , L0000341 , L0000342 , L0000343 , L0000344 , L0000345 , L0000346 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF DPM IN

MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
450660.57	3747897.91	0.02775	450192.74	3747552.50	0.01851
450040.17	3747582.94	0.01853	449970.27	3747534.84	0.01244
449916.53	3747497.63	0.00996	449562.77	3746659.92	0.00066
449441.18	3746707.24	0.00061	448683.53	3747341.91	0.00043
451770.96	3748522.08	0.00064			

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

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.10495 AT (450432.76, 3747772.20, 198.00, 491.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.08998 AT (450372.07, 3747723.01, 198.40, 491.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.08298 AT (450459.10, 3747940.54, 195.80, 491.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.06933 AT (450104.40, 3747804.14, 195.78, 1224.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.06825 AT (450275.61, 3747660.72, 199.65, 1224.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.06526 AT (450108.23, 3747749.20, 196.16, 1224.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.06350 AT (450095.45, 3747899.33, 194.94, 491.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.05854 AT (450552.61, 3747832.38, 196.81, 491.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.04010 AT (450118.13, 3747642.83, 198.73, 1224.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.03466 AT (450069.90, 3747966.09, 194.00, 491.00, 0.00)	DC	

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

*** 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 2 Warning Message(s)
A Total of 1638 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 1039 Calm Hours Identified

A Total of 599 Missing Hours Identified (1.37 Percent)

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

******** WARNING MESSAGES ********
ME W186 1170 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 1170 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 6/22/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13566 Magnolia\13566 Ops\13566 Ops.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13566 Magnolia\13566 Ops\13566
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 2189641 Riverside_County
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "13566 Ops.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Bldg 1 Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001836
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 450242.924, 3747954.433, 196.00, 3.49, 4.00
** 450261.606, 3747778.688, 197.92, 3.49, 4.00
** ------------------------------------------------------------------------
   LOCATION L0000213     VOLUME   450243.378 3747950.162 195.87
   LOCATION L0000214     VOLUME   450244.286 3747941.621 196.00
   LOCATION L0000215     VOLUME   450245.194 3747933.079 196.00
   LOCATION L0000216     VOLUME   450246.102 3747924.537 196.00
   LOCATION L0000217     VOLUME   450247.010 3747915.995 196.01
   LOCATION L0000218     VOLUME   450247.918 3747907.453 196.28
   LOCATION L0000219     VOLUME   450248.826 3747898.911 196.56
   LOCATION L0000220     VOLUME   450249.734 3747890.369 196.86
   LOCATION L0000221     VOLUME   450250.642 3747881.827 197.00
   LOCATION L0000222     VOLUME   450251.550 3747873.286 197.00
   LOCATION L0000223     VOLUME   450252.458 3747864.744 197.00
   LOCATION L0000224     VOLUME   450253.366 3747856.202 197.00
   LOCATION L0000225     VOLUME   450254.274 3747847.660 197.00
   LOCATION L0000226     VOLUME   450255.182 3747839.118 197.00
   LOCATION L0000227     VOLUME   450256.090 3747830.576 197.00
   LOCATION L0000228     VOLUME   450256.998 3747822.034 197.03
   LOCATION L0000229     VOLUME   450257.906 3747813.492 197.12
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   LOCATION L0000230     VOLUME   450258.814 3747804.951 197.22
   LOCATION L0000231     VOLUME   450259.722 3747796.409 197.34
   LOCATION L0000232     VOLUME   450260.630 3747787.867 197.54
   LOCATION L0000233     VOLUME   450261.538 3747779.325 197.74
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Bldg 2 Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 7.719E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 450364.931, 3747909.228, 195.18, 3.49, 4.00
** 450374.157, 3747826.891, 197.00, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000234     VOLUME   450365.410 3747904.960 195.46
   LOCATION L0000235     VOLUME   450366.366 3747896.424 195.69
   LOCATION L0000236     VOLUME   450367.323 3747887.887 195.95
   LOCATION L0000237     VOLUME   450368.279 3747879.350 196.01
   LOCATION L0000238     VOLUME   450369.236 3747870.814 196.01
   LOCATION L0000239     VOLUME   450370.192 3747862.277 196.00
   LOCATION L0000240     VOLUME   450371.149 3747853.741 196.08
   LOCATION L0000241     VOLUME   450372.105 3747845.204 196.37
   LOCATION L0000242     VOLUME   450373.062 3747836.667 196.65
   LOCATION L0000243     VOLUME   450374.018 3747828.131 196.94
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Bldg 1 Onsite
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 5.184E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 3
** 450307.272, 3747748.935, 198.06, 3.49, 4.00
** 450279.365, 3747788.144, 197.90, 3.49, 4.00
** 450261.145, 3747954.433, 196.00, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000244     VOLUME   450304.782 3747752.435 198.00
   LOCATION L0000245     VOLUME   450299.800 3747759.433 198.00
   LOCATION L0000246     VOLUME   450294.819 3747766.431 198.00
   LOCATION L0000247     VOLUME   450289.838 3747773.429 197.92
   LOCATION L0000248     VOLUME   450284.857 3747780.428 197.92
   LOCATION L0000249     VOLUME   450279.876 3747787.426 197.99
   LOCATION L0000250     VOLUME   450278.525 3747795.807 197.97
   LOCATION L0000251     VOLUME   450277.590 3747804.346 197.68
   LOCATION L0000252     VOLUME   450276.654 3747812.885 197.40
   LOCATION L0000253     VOLUME   450275.719 3747821.424 197.14
   LOCATION L0000254     VOLUME   450274.783 3747829.963 197.00
   LOCATION L0000255     VOLUME   450273.847 3747838.501 197.00
   LOCATION L0000256     VOLUME   450272.912 3747847.040 197.00
   LOCATION L0000257     VOLUME   450271.976 3747855.579 197.00
   LOCATION L0000258     VOLUME   450271.040 3747864.118 197.00
   LOCATION L0000259     VOLUME   450270.105 3747872.657 197.00
   LOCATION L0000260     VOLUME   450269.169 3747881.196 197.00
   LOCATION L0000261     VOLUME   450268.234 3747889.735 196.88
   LOCATION L0000262     VOLUME   450267.298 3747898.274 196.60
   LOCATION L0000263     VOLUME   450266.362 3747906.813 196.31
   LOCATION L0000264     VOLUME   450265.427 3747915.352 196.03
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   LOCATION L0000265     VOLUME   450264.491 3747923.890 196.00
   LOCATION L0000266     VOLUME   450263.556 3747932.429 196.00
   LOCATION L0000267     VOLUME   450262.620 3747940.968 196.00
   LOCATION L0000268     VOLUME   450261.684 3747949.507 195.89
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Bldg 2 Onsite
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 4.298E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 11
** 450307.503, 3747749.166, 198.07, 3.49, 4.00
** 450299.892, 3747771.077, 198.00, 3.49, 4.00
** 450292.050, 3747848.110, 197.00, 3.49, 4.00
** 450280.979, 3747947.514, 196.00, 3.49, 4.00
** 450289.974, 3747953.972, 196.00, 3.49, 4.00
** 450330.105, 3747956.740, 195.30, 3.49, 4.00
** 450341.868, 3747950.282, 195.04, 3.49, 4.00
** 450367.238, 3747927.218, 195.16, 3.49, 4.00
** 450384.536, 3747907.614, 195.23, 3.49, 4.00
** 450393.761, 3747822.739, 197.03, 3.49, 4.00
** 450400.911, 3747810.977, 197.09, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000269     VOLUME   450306.093 3747753.223 198.00
   LOCATION L0000270     VOLUME   450303.275 3747761.338 198.00
   LOCATION L0000271     VOLUME   450300.456 3747769.452 197.92
   LOCATION L0000272     VOLUME   450299.196 3747777.911 197.74
   LOCATION L0000273     VOLUME   450298.326 3747786.457 197.58
   LOCATION L0000274     VOLUME   450297.456 3747795.003 197.43
   LOCATION L0000275     VOLUME   450296.586 3747803.549 197.33
   LOCATION L0000276     VOLUME   450295.716 3747812.095 197.22
   LOCATION L0000277     VOLUME   450294.846 3747820.641 197.09
   LOCATION L0000278     VOLUME   450293.976 3747829.186 197.00
   LOCATION L0000279     VOLUME   450293.106 3747837.732 197.00
   LOCATION L0000280     VOLUME   450292.236 3747846.278 197.00
   LOCATION L0000281     VOLUME   450291.303 3747854.817 197.00
   LOCATION L0000282     VOLUME   450290.352 3747863.354 196.91
   LOCATION L0000283     VOLUME   450289.401 3747871.892 196.83
   LOCATION L0000284     VOLUME   450288.451 3747880.429 196.76
   LOCATION L0000285     VOLUME   450287.500 3747888.966 196.67
   LOCATION L0000286     VOLUME   450286.549 3747897.503 196.48
   LOCATION L0000287     VOLUME   450285.598 3747906.041 196.27
   LOCATION L0000288     VOLUME   450284.648 3747914.578 196.04
   LOCATION L0000289     VOLUME   450283.697 3747923.115 196.00
   LOCATION L0000290     VOLUME   450282.746 3747931.652 196.00
   LOCATION L0000291     VOLUME   450281.795 3747940.189 196.00
   LOCATION L0000292     VOLUME   450281.970 3747948.226 195.93
   LOCATION L0000293     VOLUME   450288.948 3747953.235 195.77
   LOCATION L0000294     VOLUME   450297.284 3747954.476 195.72
   LOCATION L0000295     VOLUME   450305.853 3747955.067 195.70
   LOCATION L0000296     VOLUME   450314.423 3747955.658 195.57
   LOCATION L0000297     VOLUME   450322.993 3747956.249 195.37
   LOCATION L0000298     VOLUME   450331.386 3747956.037 195.18
   LOCATION L0000299     VOLUME   450338.915 3747951.903 195.02
   LOCATION L0000300     VOLUME   450345.732 3747946.769 195.00
   LOCATION L0000301     VOLUME   450352.088 3747940.991 195.10
   LOCATION L0000302     VOLUME   450358.444 3747935.213 195.14
   LOCATION L0000303     VOLUME   450364.800 3747929.434 195.09
   LOCATION L0000304     VOLUME   450370.741 3747923.248 195.00
   LOCATION L0000305     VOLUME   450376.425 3747916.806 195.00
   LOCATION L0000306     VOLUME   450382.108 3747910.365 195.19
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   LOCATION L0000307     VOLUME   450385.067 3747902.722 195.45
   LOCATION L0000308     VOLUME   450385.996 3747894.182 195.73
   LOCATION L0000309     VOLUME   450386.924 3747885.643 196.00
   LOCATION L0000310     VOLUME   450387.852 3747877.103 196.00
   LOCATION L0000311     VOLUME   450388.780 3747868.563 196.00
   LOCATION L0000312     VOLUME   450389.709 3747860.024 196.00
   LOCATION L0000313     VOLUME   450390.637 3747851.484 196.16
   LOCATION L0000314     VOLUME   450391.565 3747842.944 196.44
   LOCATION L0000315     VOLUME   450392.493 3747834.404 196.73
   LOCATION L0000316     VOLUME   450393.421 3747825.865 197.00
   LOCATION L0000317     VOLUME   450396.590 3747818.085 197.00
** End of LINE VOLUME Source ID = SLINE4
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Magnolia 100%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.00001064
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 6
** 450413.484, 3747793.431, 197.47, 3.49, 6.51
** 450330.018, 3747731.176, 198.11, 3.49, 6.51
** 450196.418, 3747652.117, 199.27, 3.49, 6.51
** 450085.956, 3747579.946, 198.61, 3.49, 6.51
** 449908.006, 3747456.537, 201.64, 3.49, 6.51
** 449792.310, 3747377.754, 208.23, 3.49, 6.51
** ----------------------------------------------------------------------
   LOCATION L0000318     VOLUME   450407.873 3747789.246 197.45
   LOCATION L0000319     VOLUME   450396.651 3747780.876 197.51
   LOCATION L0000320     VOLUME   450385.429 3747772.505 197.79
   LOCATION L0000321     VOLUME   450374.207 3747764.135 198.00
   LOCATION L0000322     VOLUME   450362.984 3747755.765 198.00
   LOCATION L0000323     VOLUME   450351.762 3747747.394 198.00
   LOCATION L0000324     VOLUME   450340.540 3747739.024 198.00
   LOCATION L0000325     VOLUME   450329.266 3747730.731 198.18
   LOCATION L0000326     VOLUME   450317.218 3747723.601 198.42
   LOCATION L0000327     VOLUME   450305.169 3747716.471 198.56
   LOCATION L0000328     VOLUME   450293.121 3747709.342 198.41
   LOCATION L0000329     VOLUME   450281.072 3747702.212 198.18
   LOCATION L0000330     VOLUME   450269.024 3747695.082 198.50
   LOCATION L0000331     VOLUME   450256.975 3747687.953 199.06
   LOCATION L0000332     VOLUME   450244.927 3747680.823 199.69
   LOCATION L0000333     VOLUME   450232.878 3747673.693 200.08
   LOCATION L0000334     VOLUME   450220.830 3747666.563 200.32
   LOCATION L0000335     VOLUME   450208.781 3747659.434 199.84
   LOCATION L0000336     VOLUME   450196.733 3747652.304 199.28
   LOCATION L0000337     VOLUME   450185.004 3747644.660 199.06
   LOCATION L0000338     VOLUME   450173.284 3747637.002 199.47
   LOCATION L0000339     VOLUME   450161.564 3747629.345 200.08
   LOCATION L0000340     VOLUME   450149.843 3747621.687 200.37
   LOCATION L0000341     VOLUME   450138.123 3747614.030 200.31
   LOCATION L0000342     VOLUME   450126.403 3747606.372 199.90
   LOCATION L0000343     VOLUME   450114.683 3747598.715 199.51
   LOCATION L0000344     VOLUME   450102.963 3747591.057 199.11
   LOCATION L0000345     VOLUME   450091.243 3747583.400 198.82
   LOCATION L0000346     VOLUME   450079.641 3747575.566 198.69
   LOCATION L0000347     VOLUME   450068.137 3747567.588 198.62
   LOCATION L0000348     VOLUME   450056.632 3747559.610 198.89
   LOCATION L0000349     VOLUME   450045.128 3747551.631 199.03
   LOCATION L0000350     VOLUME   450033.624 3747543.653 198.89
   LOCATION L0000351     VOLUME   450022.120 3747535.675 198.82
   LOCATION L0000352     VOLUME   450010.615 3747527.697 198.95
   LOCATION L0000353     VOLUME   449999.111 3747519.719 199.22
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   LOCATION L0000354     VOLUME   449987.607 3747511.740 199.48
   LOCATION L0000355     VOLUME   449976.102 3747503.762 199.72
   LOCATION L0000356     VOLUME   449964.598 3747495.784 200.01
   LOCATION L0000357     VOLUME   449953.094 3747487.806 200.28
   LOCATION L0000358     VOLUME   449941.590 3747479.828 200.55
   LOCATION L0000359     VOLUME   449930.085 3747471.849 200.81
   LOCATION L0000360     VOLUME   449918.581 3747463.871 201.18
   LOCATION L0000361     VOLUME   449907.071 3747455.901 201.96
   LOCATION L0000362     VOLUME   449895.500 3747448.021 202.53
   LOCATION L0000363     VOLUME   449883.928 3747440.141 203.19
   LOCATION L0000364     VOLUME   449872.356 3747432.261 204.26
   LOCATION L0000365     VOLUME   449860.784 3747424.382 204.95
   LOCATION L0000366     VOLUME   449849.212 3747416.502 205.57
   LOCATION L0000367     VOLUME   449837.640 3747408.622 206.40
   LOCATION L0000368     VOLUME   449826.068 3747400.742 207.02
   LOCATION L0000369     VOLUME   449814.497 3747392.862 207.22
   LOCATION L0000370     VOLUME   449802.925 3747384.982 207.63
** End of LINE VOLUME Source ID = SLINE5
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000213     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000214     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000215     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000216     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000217     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000218     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000219     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000220     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000221     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000222     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000223     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000224     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000225     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000226     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000227     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000228     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000229     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000230     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000231     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000232     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000233     0.0000008743      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000234     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000235     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000236     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000237     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000238     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000239     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000240     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000241     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000242     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000243     0.0000007719      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000244     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000245     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000246     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000247     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000248     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000249     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000250     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000251     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000252     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000253     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000254     0.0000002074      3.49      4.00      3.25
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   SRCPARAM L0000255     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000256     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000257     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000258     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000259     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000260     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000261     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000262     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000263     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000264     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000265     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000266     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000267     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000268     0.0000002074      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000269     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000270     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000271     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000272     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000273     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000274     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000275     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000276     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000277     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000278     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000279     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000280     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000281     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000282     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000283     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000284     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000285     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000286     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000287     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000288     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000289     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000290     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000291     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000292     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000293     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000294     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000295     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000296     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000297     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000298     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000299     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000300     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000301     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000302     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000303     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000304     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000305     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000306     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000307     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000308     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000309     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000310     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000311     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000312     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000313     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000314     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000315     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000316     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000317     0.00000008771      3.49      4.00      3.25
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** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0000318     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000319     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000320     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000321     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000322     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000323     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000324     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000325     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000326     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000327     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000328     0.0000002008      3.49      6.51      3.25
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   SRCPARAM L0000332     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000333     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000334     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000335     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000336     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000337     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000338     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000339     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000340     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000341     0.0000002008      3.49      6.51      3.25
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   SRCPARAM L0000343     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000344     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000345     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000346     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000347     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000348     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000349     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000350     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000351     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000352     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000353     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000354     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000355     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000356     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000357     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000358     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000359     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000360     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000361     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000362     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000363     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000364     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000365     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000366     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000367     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000368     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000369     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000370     0.0000002008      3.49      6.51      3.25
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13566 Ops.rou"
```

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RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC
   PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   PROFBASE 245.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "13566 Ops.AD\AN00GALL.PLT" 31
   SUMMFILE "13566 Ops.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
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**
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 6/22/2022
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13566 Magnolia\13566 Ops\13566 Ops.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13566 Magnolia\13566 Ops\13566
   MODELOPT DFAULT CONC
   AVERTIME ANNUAL
   URBANOPT 2189641 Riverside_County
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "13566 Ops.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Bldg 1 Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00001836
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 450242.924, 3747954.433, 196.00, 3.49, 4.00
** 450261.606, 3747778.688, 197.92, 3.49, 4.00
** ------------------------------------------------------------------------
   LOCATION L0000213     VOLUME   450243.378 3747950.162 195.87
   LOCATION L0000214     VOLUME   450244.286 3747941.621 196.00
   LOCATION L0000215     VOLUME   450245.194 3747933.079 196.00
   LOCATION L0000216     VOLUME   450246.102 3747924.537 196.00
   LOCATION L0000217     VOLUME   450247.010 3747915.995 196.01
   LOCATION L0000218     VOLUME   450247.918 3747907.453 196.28
   LOCATION L0000219     VOLUME   450248.826 3747898.911 196.56
   LOCATION L0000220     VOLUME   450249.734 3747890.369 196.86
   LOCATION L0000221     VOLUME   450250.642 3747881.827 197.00
   LOCATION L0000222     VOLUME   450251.550 3747873.286 197.00
   LOCATION L0000223     VOLUME   450252.458 3747864.744 197.00
   LOCATION L0000224     VOLUME   450253.366 3747856.202 197.00
   LOCATION L0000225     VOLUME   450254.274 3747847.660 197.00
   LOCATION L0000226     VOLUME   450255.182 3747839.118 197.00
   LOCATION L0000227     VOLUME   450256.090 3747830.576 197.00
   LOCATION L0000228     VOLUME   450256.998 3747822.034 197.03
   LOCATION L0000229     VOLUME   450257.906 3747813.492 197.12
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   LOCATION L0000230     VOLUME   450258.814 3747804.951 197.22
   LOCATION L0000231     VOLUME   450259.722 3747796.409 197.34
   LOCATION L0000232     VOLUME   450260.630 3747787.867 197.54
   LOCATION L0000233     VOLUME   450261.538 3747779.325 197.74
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Bldg 2 Idle
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 7.719E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 450364.931, 3747909.228, 195.18, 3.49, 4.00
** 450374.157, 3747826.891, 197.00, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000234     VOLUME   450365.410 3747904.960 195.46
   LOCATION L0000235     VOLUME   450366.366 3747896.424 195.69
   LOCATION L0000236     VOLUME   450367.323 3747887.887 195.95
   LOCATION L0000237     VOLUME   450368.279 3747879.350 196.01
   LOCATION L0000238     VOLUME   450369.236 3747870.814 196.01
   LOCATION L0000239     VOLUME   450370.192 3747862.277 196.00
   LOCATION L0000240     VOLUME   450371.149 3747853.741 196.08
   LOCATION L0000241     VOLUME   450372.105 3747845.204 196.37
   LOCATION L0000242     VOLUME   450373.062 3747836.667 196.65
   LOCATION L0000243     VOLUME   450374.018 3747828.131 196.94
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Bldg 1 Onsite
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 5.184E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 3
** 450307.272, 3747748.935, 198.06, 3.49, 4.00
** 450279.365, 3747788.144, 197.90, 3.49, 4.00
** 450261.145, 3747954.433, 196.00, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0000244     VOLUME   450304.782 3747752.435 198.00
   LOCATION L0000245     VOLUME   450299.800 3747759.433 198.00
   LOCATION L0000246     VOLUME   450294.819 3747766.431 198.00
   LOCATION L0000247     VOLUME   450289.838 3747773.429 197.92
   LOCATION L0000248     VOLUME   450284.857 3747780.428 197.92
   LOCATION L0000249     VOLUME   450279.876 3747787.426 197.99
   LOCATION L0000250     VOLUME   450278.525 3747795.807 197.97
   LOCATION L0000251     VOLUME   450277.590 3747804.346 197.68
   LOCATION L0000252     VOLUME   450276.654 3747812.885 197.40
   LOCATION L0000253     VOLUME   450275.719 3747821.424 197.14
   LOCATION L0000254     VOLUME   450274.783 3747829.963 197.00
   LOCATION L0000255     VOLUME   450273.847 3747838.501 197.00
   LOCATION L0000256     VOLUME   450272.912 3747847.040 197.00
   LOCATION L0000257     VOLUME   450271.976 3747855.579 197.00
   LOCATION L0000258     VOLUME   450271.040 3747864.118 197.00
   LOCATION L0000259     VOLUME   450270.105 3747872.657 197.00
   LOCATION L0000260     VOLUME   450269.169 3747881.196 197.00
   LOCATION L0000261     VOLUME   450268.234 3747889.735 196.88
   LOCATION L0000262     VOLUME   450267.298 3747898.274 196.60
   LOCATION L0000263     VOLUME   450266.362 3747906.813 196.31
   LOCATION L0000264     VOLUME   450265.427 3747915.352 196.03
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   LOCATION L0000265     VOLUME   450264.491 3747923.890 196.00
   LOCATION L0000266     VOLUME   450263.556 3747932.429 196.00
   LOCATION L0000267     VOLUME   450262.620 3747940.968 196.00
   LOCATION L0000268     VOLUME   450261.684 3747949.507 195.89
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC Bldg 2 Onsite
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 4.298E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 11
** 450307.503, 3747749.166, 198.07, 3.49, 4.00
** 450299.892, 3747771.077, 198.00, 3.49, 4.00
** 450292.050, 3747848.110, 197.00, 3.49, 4.00
** 450280.979, 3747947.514, 196.00, 3.49, 4.00
** 450289.974, 3747953.972, 196.00, 3.49, 4.00
** 450330.105, 3747956.740, 195.30, 3.49, 4.00
** 450341.868, 3747950.282, 195.04, 3.49, 4.00
** 450367.238, 3747927.218, 195.16, 3.49, 4.00
** 450384.536, 3747907.614, 195.23, 3.49, 4.00
** 450393.761, 3747822.739, 197.03, 3.49, 4.00
** 450400.911, 3747810.977, 197.09, 3.49, 4.00
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   LOCATION L0000269     VOLUME   450306.093 3747753.223 198.00
   LOCATION L0000270     VOLUME   450303.275 3747761.338 198.00
   LOCATION L0000271     VOLUME   450300.456 3747769.452 197.92
   LOCATION L0000272     VOLUME   450299.196 3747777.911 197.74
   LOCATION L0000273     VOLUME   450298.326 3747786.457 197.58
   LOCATION L0000274     VOLUME   450297.456 3747795.003 197.43
   LOCATION L0000275     VOLUME   450296.586 3747803.549 197.33
   LOCATION L0000276     VOLUME   450295.716 3747812.095 197.22
   LOCATION L0000277     VOLUME   450294.846 3747820.641 197.09
   LOCATION L0000278     VOLUME   450293.976 3747829.186 197.00
   LOCATION L0000279     VOLUME   450293.106 3747837.732 197.00
   LOCATION L0000280     VOLUME   450292.236 3747846.278 197.00
   LOCATION L0000281     VOLUME   450291.303 3747854.817 197.00
   LOCATION L0000282     VOLUME   450290.352 3747863.354 196.91
   LOCATION L0000283     VOLUME   450289.401 3747871.892 196.83
   LOCATION L0000284     VOLUME   450288.451 3747880.429 196.76
   LOCATION L0000285     VOLUME   450287.500 3747888.966 196.67
   LOCATION L0000286     VOLUME   450286.549 3747897.503 196.48
   LOCATION L0000287     VOLUME   450285.598 3747906.041 196.27
   LOCATION L0000288     VOLUME   450284.648 3747914.578 196.04
   LOCATION L0000289     VOLUME   450283.697 3747923.115 196.00
   LOCATION L0000290     VOLUME   450282.746 3747931.652 196.00
   LOCATION L0000291     VOLUME   450281.795 3747940.189 196.00
   LOCATION L0000292     VOLUME   450281.970 3747948.226 195.93
   LOCATION L0000293     VOLUME   450288.948 3747953.235 195.77
   LOCATION L0000294     VOLUME   450297.284 3747954.476 195.72
   LOCATION L0000295     VOLUME   450305.853 3747955.067 195.70
   LOCATION L0000296     VOLUME   450314.423 3747955.658 195.57
   LOCATION L0000297     VOLUME   450322.993 3747956.249 195.37
   LOCATION L0000298     VOLUME   450331.386 3747956.037 195.18
   LOCATION L0000299     VOLUME   450338.915 3747951.903 195.02
   LOCATION L0000300     VOLUME   450345.732 3747946.769 195.00
   LOCATION L0000301     VOLUME   450352.088 3747940.991 195.10
   LOCATION L0000302     VOLUME   450358.444 3747935.213 195.14
   LOCATION L0000303     VOLUME   450364.800 3747929.434 195.09
   LOCATION L0000304     VOLUME   450370.741 3747923.248 195.00
   LOCATION L0000305     VOLUME   450376.425 3747916.806 195.00
   LOCATION L0000306     VOLUME   450382.108 3747910.365 195.19
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   LOCATION L0000307     VOLUME   450385.067 3747902.722 195.45
   LOCATION L0000308     VOLUME   450385.996 3747894.182 195.73
   LOCATION L0000309     VOLUME   450386.924 3747885.643 196.00
   LOCATION L0000310     VOLUME   450387.852 3747877.103 196.00
   LOCATION L0000311     VOLUME   450388.780 3747868.563 196.00
   LOCATION L0000312     VOLUME   450389.709 3747860.024 196.00
   LOCATION L0000313     VOLUME   450390.637 3747851.484 196.16
   LOCATION L0000314     VOLUME   450391.565 3747842.944 196.44
   LOCATION L0000315     VOLUME   450392.493 3747834.404 196.73
   LOCATION L0000316     VOLUME   450393.421 3747825.865 197.00
   LOCATION L0000317     VOLUME   450396.590 3747818.085 197.00
** End of LINE VOLUME Source ID = SLINE4
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC Magnolia 100%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.00001064
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 6
** 450413.484, 3747793.431, 197.47, 3.49, 6.51
** 450330.018, 3747731.176, 198.11, 3.49, 6.51
** 450196.418, 3747652.117, 199.27, 3.49, 6.51
** 450085.956, 3747579.946, 198.61, 3.49, 6.51
** 449908.006, 3747456.537, 201.64, 3.49, 6.51
** 449792.310, 3747377.754, 208.23, 3.49, 6.51
** ----------------------------------------------------------------------
   LOCATION L0000318     VOLUME   450407.873 3747789.246 197.45
   LOCATION L0000319     VOLUME   450396.651 3747780.876 197.51
   LOCATION L0000320     VOLUME   450385.429 3747772.505 197.79
   LOCATION L0000321     VOLUME   450374.207 3747764.135 198.00
   LOCATION L0000322     VOLUME   450362.984 3747755.765 198.00
   LOCATION L0000323     VOLUME   450351.762 3747747.394 198.00
   LOCATION L0000324     VOLUME   450340.540 3747739.024 198.00
   LOCATION L0000325     VOLUME   450329.266 3747730.731 198.18
   LOCATION L0000326     VOLUME   450317.218 3747723.601 198.42
   LOCATION L0000327     VOLUME   450305.169 3747716.471 198.56
   LOCATION L0000328     VOLUME   450293.121 3747709.342 198.41
   LOCATION L0000329     VOLUME   450281.072 3747702.212 198.18
   LOCATION L0000330     VOLUME   450269.024 3747695.082 198.50
   LOCATION L0000331     VOLUME   450256.975 3747687.953 199.06
   LOCATION L0000332     VOLUME   450244.927 3747680.823 199.69
   LOCATION L0000333     VOLUME   450232.878 3747673.693 200.08
   LOCATION L0000334     VOLUME   450220.830 3747666.563 200.32
   LOCATION L0000335     VOLUME   450208.781 3747659.434 199.84
   LOCATION L0000336     VOLUME   450196.733 3747652.304 199.28
   LOCATION L0000337     VOLUME   450185.004 3747644.660 199.06
   LOCATION L0000338     VOLUME   450173.284 3747637.002 199.47
   LOCATION L0000339     VOLUME   450161.564 3747629.345 200.08
   LOCATION L0000340     VOLUME   450149.843 3747621.687 200.37
   LOCATION L0000341     VOLUME   450138.123 3747614.030 200.31
   LOCATION L0000342     VOLUME   450126.403 3747606.372 199.90
   LOCATION L0000343     VOLUME   450114.683 3747598.715 199.51
   LOCATION L0000344     VOLUME   450102.963 3747591.057 199.11
   LOCATION L0000345     VOLUME   450091.243 3747583.400 198.82
   LOCATION L0000346     VOLUME   450079.641 3747575.566 198.69
   LOCATION L0000347     VOLUME   450068.137 3747567.588 198.62
   LOCATION L0000348     VOLUME   450056.632 3747559.610 198.89
   LOCATION L0000349     VOLUME   450045.128 3747551.631 199.03
   LOCATION L0000350     VOLUME   450033.624 3747543.653 198.89
   LOCATION L0000351     VOLUME   450022.120 3747535.675 198.82
   LOCATION L0000352     VOLUME   450010.615 3747527.697 198.95
   LOCATION L0000353     VOLUME   449999.111 3747519.719 199.22
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   LOCATION L0000354     VOLUME   449987.607 3747511.740 199.48
   LOCATION L0000355     VOLUME   449976.102 3747503.762 199.72
   LOCATION L0000356     VOLUME   449964.598 3747495.784 200.01
   LOCATION L0000357     VOLUME   449953.094 3747487.806 200.28
   LOCATION L0000358     VOLUME   449941.590 3747479.828 200.55
   LOCATION L0000359     VOLUME   449930.085 3747471.849 200.81
   LOCATION L0000360     VOLUME   449918.581 3747463.871 201.18
   LOCATION L0000361     VOLUME   449907.071 3747455.901 201.96
   LOCATION L0000362     VOLUME   449895.500 3747448.021 202.53
   LOCATION L0000363     VOLUME   449883.928 3747440.141 203.19
   LOCATION L0000364     VOLUME   449872.356 3747432.261 204.26
   LOCATION L0000365     VOLUME   449860.784 3747424.382 204.95
   LOCATION L0000366     VOLUME   449849.212 3747416.502 205.57
   LOCATION L0000367     VOLUME   449837.640 3747408.622 206.40
   LOCATION L0000368     VOLUME   449826.068 3747400.742 207.02
   LOCATION L0000369     VOLUME   449814.497 3747392.862 207.22
   LOCATION L0000370     VOLUME   449802.925 3747384.982 207.63
** End of LINE VOLUME Source ID = SLINE5
** Source Parameters **
** LINE VOLUME Source ID = SLINE1
   SRCPARAM L0000213     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000214     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000215     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000216     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000217     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000218     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000219     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000220     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000221     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000222     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000223     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000224     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000225     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000226     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000227     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000228     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000229     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000230     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000231     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000232     0.0000008743      3.49      4.00      3.25
   SRCPARAM L0000233     0.0000008743      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0000234     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000235     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000236     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000237     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000238     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000239     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000240     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000241     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000242     0.0000007719      3.49      4.00      3.25
   SRCPARAM L0000243     0.0000007719      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0000244     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000245     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000246     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000247     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000248     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000249     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000250     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000251     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000252     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000253     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000254     0.0000002074      3.49      4.00      3.25
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   SRCPARAM L0000255     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000256     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000257     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000258     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000259     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000260     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000261     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000262     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000263     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000264     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000265     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000266     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000267     0.0000002074      3.49      4.00      3.25
   SRCPARAM L0000268     0.0000002074      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0000269     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000270     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000271     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000272     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000273     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000274     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000275     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000276     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000277     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000278     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000279     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000280     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000281     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000282     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000283     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000284     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000285     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000286     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000287     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000288     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000289     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000290     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000291     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000292     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000293     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000294     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000295     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000296     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000297     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000298     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000299     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000300     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000301     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000302     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000303     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000304     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000305     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000306     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000307     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000308     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000309     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000310     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000311     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000312     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000313     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000314     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000315     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000316     0.00000008771      3.49      4.00      3.25
   SRCPARAM L0000317     0.00000008771      3.49      4.00      3.25
** ------------------------------------------------------------------
```

```
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0000318     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000319     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000320     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000321     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000322     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000323     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000324     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000325     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000326     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000327     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000328     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000329     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000330     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000331     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000332     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000333     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000334     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000335     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000336     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000337     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000338     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000339     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000340     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000341     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000342     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000343     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000344     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000345     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000346     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000347     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000348     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000349     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000350     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000351     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000352     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000353     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000354     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000355     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000356     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000357     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000358     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000359     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000360     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000361     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000362     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000363     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000364     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000365     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000366     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000367     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000368     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000369     0.0000002008      3.49      6.51      3.25
   SRCPARAM L0000370     0.0000002008      3.49      6.51      3.25
** ------------------------------------------------------------------
   URBANSRC ALL
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13566 Ops.rou"
```

```
RE FINISHED
**
****************************************
** AERMOD Meteorology Pathway
****************************************
**
**
ME STARTING
   SURFFILE KRAL_V9_ADJU\KRAL_v9.SFC
   PROFFILE KRAL_V9_ADJU\KRAL_v9.PFL
   SURFDATA 3171 2012
   UAIRDATA 3190 2012
   PROFBASE 245.0 METERS
ME FINISHED
**
****************************************
** AERMOD Output Pathway
****************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE ANNUAL ALL "13566 Ops.AD\AN00GALL.PLT" 31
   SUMMFILE "13566 Ops.sum"
OU FINISHED


  *** Message Summary For AERMOD Model Setup ***

  --------- Summary of Total Messages --------

 A Total of            0 Fatal Error Message(s)
 A Total of            2 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 ME W186     476       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used           0.50
 ME W187     476       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        17:19:21

                      PAGE   1
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                                            ***     MODEL SETUP OPTIONS SUMMARY       ***
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - -

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

   --  DEPOSITION LOGIC  --
 **NO GAS DEPOSITION Data Provided.
 **NO PARTICLE DEPOSITION Data Provided.
 **Model Uses NO DRY DEPLETION.  DRYDPLT  =  F
```

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

**Model Uses URBAN Dispersion Algorithm for the SBL for   158 Source(s),
  for Total of    1 Urban Area(s):
  Urban Population =   2189641.0 ;  Urban Roughness Length =  1.000 m

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

**Other Options Specified:
        ADJ_U*   - Use ADJ_U* option for SBL in AERMET
        CCVR_Sub - Meteorological data includes CCVR substitutions
        TEMP_Sub - Meteorological data includes TEMP substitutions

**Model Assumes No FLAGPOLE Receptor Heights.

**The User Specified a Pollutant Type of:  DPM

**Model Calculates ANNUAL Averages Only

**This Run Includes:    158 Source(s);       1 Source Group(s); and      91 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:    158 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)


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

**The AERMET Input Meteorological Data Version Date:  16216

**Output Options Selected:
         Model Outputs Tables of ANNUAL Averages by Receptor
         Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
         Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   245.00 ;  Decay Coef. =
0.000     ;  Rot. Angle =     0.0
                Emission Units = GRAMS/SEC                                ;  Emission Rate
                Unit Factor =   0.10000E+07
                Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      3.6 MB of RAM.

**Input Runstream File:
aermod.inp
**Output Print File:
aermod.out

**Detailed Error/Message File:   13566
Ops.err
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	
L0000213	0	0.87430E-06	450243.4	3747950.2	195.9	3.49	4.00	3.25	YES
L0000214	0	0.87430E-06	450244.3	3747941.6	196.0	3.49	4.00	3.25	YES
L0000215	0	0.87430E-06	450245.2	3747933.1	196.0	3.49	4.00	3.25	YES
L0000216	0	0.87430E-06	450246.1	3747924.5	196.0	3.49	4.00	3.25	YES
L0000217	0	0.87430E-06	450247.0	3747916.0	196.0	3.49	4.00	3.25	YES
L0000218	0	0.87430E-06	450247.9	3747907.5	196.3	3.49	4.00	3.25	YES
L0000219	0	0.87430E-06	450248.8	3747898.9	196.6	3.49	4.00	3.25	YES
L0000220	0	0.87430E-06	450249.7	3747890.4	196.9	3.49	4.00	3.25	YES
L0000221	0	0.87430E-06	450250.6	3747881.8	197.0	3.49	4.00	3.25	YES
L0000222	0	0.87430E-06	450251.5	3747873.3	197.0	3.49	4.00	3.25	YES
L0000223	0	0.87430E-06	450252.5	3747864.7	197.0	3.49	4.00	3.25	YES
L0000224	0	0.87430E-06	450253.4	3747856.2	197.0	3.49	4.00	3.25	YES
L0000225	0	0.87430E-06	450254.3	3747847.7	197.0	3.49	4.00	3.25	YES
L0000226	0	0.87430E-06	450255.2	3747839.1	197.0	3.49	4.00	3.25	YES
L0000227	0	0.87430E-06	450256.1	3747830.6	197.0	3.49	4.00	3.25	YES
L0000228	0	0.87430E-06	450257.0	3747822.0	197.0	3.49	4.00	3.25	YES
L0000229	0	0.87430E-06	450257.9	3747813.5	197.1	3.49	4.00	3.25	YES
L0000230	0	0.87430E-06	450258.8	3747805.0	197.2	3.49	4.00	3.25	YES
L0000231	0	0.87430E-06	450259.7	3747796.4	197.3	3.49	4.00	3.25	YES
L0000232	0	0.87430E-06	450260.6	3747787.9	197.5	3.49	4.00	3.25	YES
L0000233	0	0.87430E-06	450261.5	3747779.3	197.7	3.49	4.00	3.25	YES
L0000234	0	0.77190E-06	450365.4	3747905.0	195.5	3.49	4.00	3.25	YES

L0000235 0 0.77190E-06 450366.4 3747896.4 195.7 3.49 4.00 3.25
YES
L0000236 0 0.77190E-06 450367.3 3747887.9 196.0 3.49 4.00 3.25
YES
L0000237 0 0.77190E-06 450368.3 3747879.3 196.0 3.49 4.00 3.25
YES
L0000238 0 0.77190E-06 450369.2 3747870.8 196.0 3.49 4.00 3.25
YES
L0000239 0 0.77190E-06 450370.2 3747862.3 196.0 3.49 4.00 3.25
YES
L0000240 0 0.77190E-06 450371.1 3747853.7 196.1 3.49 4.00 3.25
YES
L0000241 0 0.77190E-06 450372.1 3747845.2 196.4 3.49 4.00 3.25
YES
L0000242 0 0.77190E-06 450373.1 3747836.7 196.7 3.49 4.00 3.25
YES
L0000243 0 0.77190E-06 450374.0 3747828.1 196.9 3.49 4.00 3.25
YES
L0000244 0 0.20740E-06 450304.8 3747752.4 198.0 3.49 4.00 3.25
YES
L0000245 0 0.20740E-06 450299.8 3747759.4 198.0 3.49 4.00 3.25
YES
L0000246 0 0.20740E-06 450294.8 3747766.4 198.0 3.49 4.00 3.25
YES
L0000247 0 0.20740E-06 450289.8 3747773.4 197.9 3.49 4.00 3.25
YES
L0000248 0 0.20740E-06 450284.9 3747780.4 197.9 3.49 4.00 3.25
YES
L0000249 0 0.20740E-06 450279.9 3747787.4 198.0 3.49 4.00 3.25
YES
L0000250 0 0.20740E-06 450278.5 3747795.8 198.0 3.49 4.00 3.25
YES
L0000251 0 0.20740E-06 450277.6 3747804.3 197.7 3.49 4.00 3.25
YES
L0000252 0 0.20740E-06 450276.7 3747812.9 197.4 3.49 4.00 3.25
YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
L0000253	0	0.20740E-06	450275.7	3747821.4	197.1	3.49	4.00	3.25	YES
L0000254	0	0.20740E-06	450274.8	3747830.0	197.0	3.49	4.00	3.25	YES
L0000255	0	0.20740E-06	450273.8	3747838.5	197.0	3.49	4.00	3.25	YES
L0000256	0	0.20740E-06	450272.9	3747847.0	197.0	3.49	4.00	3.25	YES
L0000257	0	0.20740E-06	450272.0	3747855.6	197.0	3.49	4.00	3.25	YES

L0000258	0	0.20740E-06	450271.0	3747864.1	197.0	3.49	4.00	3.25
YES								
L0000259	0	0.20740E-06	450270.1	3747872.7	197.0	3.49	4.00	3.25
YES								
L0000260	0	0.20740E-06	450269.2	3747881.2	197.0	3.49	4.00	3.25
YES								
L0000261	0	0.20740E-06	450268.2	3747889.7	196.9	3.49	4.00	3.25
YES								
L0000262	0	0.20740E-06	450267.3	3747898.3	196.6	3.49	4.00	3.25
YES								
L0000263	0	0.20740E-06	450266.4	3747906.8	196.3	3.49	4.00	3.25
YES								
L0000264	0	0.20740E-06	450265.4	3747915.4	196.0	3.49	4.00	3.25
YES								
L0000265	0	0.20740E-06	450264.5	3747923.9	196.0	3.49	4.00	3.25
YES								
L0000266	0	0.20740E-06	450263.6	3747932.4	196.0	3.49	4.00	3.25
YES								
L0000267	0	0.20740E-06	450262.6	3747941.0	196.0	3.49	4.00	3.25
YES								
L0000268	0	0.20740E-06	450261.7	3747949.5	195.9	3.49	4.00	3.25
YES								
L0000269	0	0.87710E-07	450306.1	3747753.2	198.0	3.49	4.00	3.25
YES								
L0000270	0	0.87710E-07	450303.3	3747761.3	198.0	3.49	4.00	3.25
YES								
L0000271	0	0.87710E-07	450300.5	3747769.5	197.9	3.49	4.00	3.25
YES								
L0000272	0	0.87710E-07	450299.2	3747777.9	197.7	3.49	4.00	3.25
YES								
L0000273	0	0.87710E-07	450298.3	3747786.5	197.6	3.49	4.00	3.25
YES								
L0000274	0	0.87710E-07	450297.5	3747795.0	197.4	3.49	4.00	3.25
YES								
L0000275	0	0.87710E-07	450296.6	3747803.5	197.3	3.49	4.00	3.25
YES								
L0000276	0	0.87710E-07	450295.7	3747812.1	197.2	3.49	4.00	3.25
YES								
L0000277	0	0.87710E-07	450294.8	3747820.6	197.1	3.49	4.00	3.25
YES								
L0000278	0	0.87710E-07	450294.0	3747829.2	197.0	3.49	4.00	3.25
YES								
L0000279	0	0.87710E-07	450293.1	3747837.7	197.0	3.49	4.00	3.25
YES								
L0000280	0	0.87710E-07	450292.2	3747846.3	197.0	3.49	4.00	3.25
YES								
L0000281	0	0.87710E-07	450291.3	3747854.8	197.0	3.49	4.00	3.25
YES								
L0000282	0	0.87710E-07	450290.4	3747863.4	196.9	3.49	4.00	3.25
YES								
L0000283	0	0.87710E-07	450289.4	3747871.9	196.8	3.49	4.00	3.25
YES								
L0000284	0	0.87710E-07	450288.5	3747880.4	196.8	3.49	4.00	3.25
YES								
L0000285	0	0.87710E-07	450287.5	3747889.0	196.7	3.49	4.00	3.25
YES								
L0000286	0	0.87710E-07	450286.5	3747897.5	196.5	3.49	4.00	3.25
YES								
L0000287	0	0.87710E-07	450285.6	3747906.0	196.3	3.49	4.00	3.25
YES								
L0000288	0	0.87710E-07	450284.6	3747914.6	196.0	3.49	4.00	3.25
YES								
L0000289	0	0.87710E-07	450283.7	3747923.1	196.0	3.49	4.00	3.25
YES								
L0000290	0	0.87710E-07	450282.7	3747931.7	196.0	3.49	4.00	3.25
YES								

L0000291 0 0.87710E-07 450281.8 3747940.2 196.0 3.49 4.00 3.25
YES
L0000292 0 0.87710E-07 450282.0 3747948.2 195.9 3.49 4.00 3.25
YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0000293	0	0.87710E-07	450288.9	3747953.2	195.8	3.49	4.00	3.25
YES								
L0000294	0	0.87710E-07	450297.3	3747954.5	195.7	3.49	4.00	3.25
YES								
L0000295	0	0.87710E-07	450305.9	3747955.1	195.7	3.49	4.00	3.25
YES								
L0000296	0	0.87710E-07	450314.4	3747955.7	195.6	3.49	4.00	3.25
YES								
L0000297	0	0.87710E-07	450323.0	3747956.2	195.4	3.49	4.00	3.25
YES								
L0000298	0	0.87710E-07	450331.4	3747956.0	195.2	3.49	4.00	3.25
YES								
L0000299	0	0.87710E-07	450338.9	3747951.9	195.0	3.49	4.00	3.25
YES								
L0000300	0	0.87710E-07	450345.7	3747946.8	195.0	3.49	4.00	3.25
YES								
L0000301	0	0.87710E-07	450352.1	3747941.0	195.1	3.49	4.00	3.25
YES								
L0000302	0	0.87710E-07	450358.4	3747935.2	195.1	3.49	4.00	3.25
YES								
L0000303	0	0.87710E-07	450364.8	3747929.4	195.1	3.49	4.00	3.25
YES								
L0000304	0	0.87710E-07	450370.7	3747923.2	195.0	3.49	4.00	3.25
YES								
L0000305	0	0.87710E-07	450376.4	3747916.8	195.0	3.49	4.00	3.25
YES								
L0000306	0	0.87710E-07	450382.1	3747910.4	195.2	3.49	4.00	3.25
YES								
L0000307	0	0.87710E-07	450385.1	3747902.7	195.5	3.49	4.00	3.25
YES								
L0000308	0	0.87710E-07	450386.0	3747894.2	195.7	3.49	4.00	3.25
YES								
L0000309	0	0.87710E-07	450386.9	3747885.6	196.0	3.49	4.00	3.25
YES								
L0000310	0	0.87710E-07	450387.9	3747877.1	196.0	3.49	4.00	3.25
YES								
L0000311	0	0.87710E-07	450388.8	3747868.6	196.0	3.49	4.00	3.25
YES								
L0000312	0	0.87710E-07	450389.7	3747860.0	196.0	3.49	4.00	3.25
YES								
L0000313	0	0.87710E-07	450390.6	3747851.5	196.2	3.49	4.00	3.25
YES								

```
 L0000314         0   0.87710E-07  450391.6 3747842.9   196.4     3.49     4.00     3.25
 YES
 L0000315         0   0.87710E-07  450392.5 3747834.4   196.7     3.49     4.00     3.25
 YES
 L0000316         0   0.87710E-07  450393.4 3747825.9   197.0     3.49     4.00     3.25
 YES
 L0000317         0   0.87710E-07  450396.6 3747818.1   197.0     3.49     4.00     3.25
 YES
 L0000318         0   0.20080E-06  450407.9 3747789.2   197.5     3.49     6.51     3.25
 YES
 L0000319         0   0.20080E-06  450396.7 3747780.9   197.5     3.49     6.51     3.25
 YES
 L0000320         0   0.20080E-06  450385.4 3747772.5   197.8     3.49     6.51     3.25
 YES
 L0000321         0   0.20080E-06  450374.2 3747764.1   198.0     3.49     6.51     3.25
 YES
 L0000322         0   0.20080E-06  450363.0 3747755.8   198.0     3.49     6.51     3.25
 YES
 L0000323         0   0.20080E-06  450351.8 3747747.4   198.0     3.49     6.51     3.25
 YES
 L0000324         0   0.20080E-06  450340.5 3747739.0   198.0     3.49     6.51     3.25
 YES
 L0000325         0   0.20080E-06  450329.3 3747730.7   198.2     3.49     6.51     3.25
 YES
 L0000326         0   0.20080E-06  450317.2 3747723.6   198.4     3.49     6.51     3.25
 YES
 L0000327         0   0.20080E-06  450305.2 3747716.5   198.6     3.49     6.51     3.25
 YES
 L0000328         0   0.20080E-06  450293.1 3747709.3   198.4     3.49     6.51     3.25
 YES
 L0000329         0   0.20080E-06  450281.1 3747702.2   198.2     3.49     6.51     3.25
 YES
 L0000330         0   0.20080E-06  450269.0 3747695.1   198.5     3.49     6.51     3.25
 YES
 L0000331         0   0.20080E-06  450257.0 3747688.0   199.1     3.49     6.51     3.25
 YES
 L0000332         0   0.20080E-06  450244.9 3747680.8   199.7     3.49     6.51     3.25
 YES
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:19:21

                     PAGE   5
 *** 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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - -

 L0000333         0   0.20080E-06  450232.9 3747673.7   200.1     3.49     6.51     3.25
 YES
 L0000334         0   0.20080E-06  450220.8 3747666.6   200.3     3.49     6.51     3.25
 YES
 L0000335         0   0.20080E-06  450208.8 3747659.4   199.8     3.49     6.51     3.25
 YES
 L0000336         0   0.20080E-06  450196.7 3747652.3   199.3     3.49     6.51     3.25
 YES
```

L0000337	0	0.20080E-06	450185.0	3747644.7	199.1	3.49	6.51	3.25
YES								
L0000338	0	0.20080E-06	450173.3	3747637.0	199.5	3.49	6.51	3.25
YES								
L0000339	0	0.20080E-06	450161.6	3747629.3	200.1	3.49	6.51	3.25
YES								
L0000340	0	0.20080E-06	450149.8	3747621.7	200.4	3.49	6.51	3.25
YES								
L0000341	0	0.20080E-06	450138.1	3747614.0	200.3	3.49	6.51	3.25
YES								
L0000342	0	0.20080E-06	450126.4	3747606.4	199.9	3.49	6.51	3.25
YES								
L0000343	0	0.20080E-06	450114.7	3747598.7	199.5	3.49	6.51	3.25
YES								
L0000344	0	0.20080E-06	450103.0	3747591.1	199.1	3.49	6.51	3.25
YES								
L0000345	0	0.20080E-06	450091.2	3747583.4	198.8	3.49	6.51	3.25
YES								
L0000346	0	0.20080E-06	450079.6	3747575.6	198.7	3.49	6.51	3.25
YES								
L0000347	0	0.20080E-06	450068.1	3747567.6	198.6	3.49	6.51	3.25
YES								
L0000348	0	0.20080E-06	450056.6	3747559.6	198.9	3.49	6.51	3.25
YES								
L0000349	0	0.20080E-06	450045.1	3747551.6	199.0	3.49	6.51	3.25
YES								
L0000350	0	0.20080E-06	450033.6	3747543.7	198.9	3.49	6.51	3.25
YES								
L0000351	0	0.20080E-06	450022.1	3747535.7	198.8	3.49	6.51	3.25
YES								
L0000352	0	0.20080E-06	450010.6	3747527.7	199.0	3.49	6.51	3.25
YES								
L0000353	0	0.20080E-06	449999.1	3747519.7	199.2	3.49	6.51	3.25
YES								
L0000354	0	0.20080E-06	449987.6	3747511.7	199.5	3.49	6.51	3.25
YES								
L0000355	0	0.20080E-06	449976.1	3747503.8	199.7	3.49	6.51	3.25
YES								
L0000356	0	0.20080E-06	449964.6	3747495.8	200.0	3.49	6.51	3.25
YES								
L0000357	0	0.20080E-06	449953.1	3747487.8	200.3	3.49	6.51	3.25
YES								
L0000358	0	0.20080E-06	449941.6	3747479.8	200.6	3.49	6.51	3.25
YES								
L0000359	0	0.20080E-06	449930.1	3747471.8	200.8	3.49	6.51	3.25
YES								
L0000360	0	0.20080E-06	449918.6	3747463.9	201.2	3.49	6.51	3.25
YES								
L0000361	0	0.20080E-06	449907.1	3747455.9	202.0	3.49	6.51	3.25
YES								
L0000362	0	0.20080E-06	449895.5	3747448.0	202.5	3.49	6.51	3.25
YES								
L0000363	0	0.20080E-06	449883.9	3747440.1	203.2	3.49	6.51	3.25
YES								
L0000364	0	0.20080E-06	449872.4	3747432.3	204.3	3.49	6.51	3.25
YES								
L0000365	0	0.20080E-06	449860.8	3747424.4	205.0	3.49	6.51	3.25
YES								
L0000366	0	0.20080E-06	449849.2	3747416.5	205.6	3.49	6.51	3.25
YES								
L0000367	0	0.20080E-06	449837.6	3747408.6	206.4	3.49	6.51	3.25
YES								
L0000368	0	0.20080E-06	449826.1	3747400.7	207.0	3.49	6.51	3.25
YES								
L0000369	0	0.20080E-06	449814.5	3747392.9	207.2	3.49	6.51	3.25
YES								

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0000213 , L0000214 , L0000215 , L0000216 , L0000217 , L0000218 , L0000219 , L0000220 ,
	L0000221 , L0000222 , L0000223 , L0000224 , L0000225 , L0000226 , L0000227 , L0000228 ,
	L0000229 , L0000230 , L0000231 , L0000232 , L0000233 , L0000234 , L0000235 , L0000236 ,
	L0000237 , L0000238 , L0000239 , L0000240 , L0000241 , L0000242 , L0000243 , L0000244 ,
	L0000245 , L0000246 , L0000247 , L0000248 , L0000249 , L0000250 , L0000251 , L0000252 ,
	L0000253 , L0000254 , L0000255 , L0000256 , L0000257 , L0000258 , L0000259 , L0000260 ,
	L0000261 , L0000262 , L0000263 , L0000264 , L0000265 , L0000266 , L0000267 , L0000268 ,
	L0000269 , L0000270 , L0000271 , L0000272 , L0000273 , L0000274 , L0000275 , L0000276 ,
	L0000277 , L0000278 , L0000279 , L0000280 , L0000281 , L0000282 , L0000283 , L0000284 ,
	L0000285 , L0000286 , L0000287 , L0000288 , L0000289 , L0000290 , L0000291 , L0000292 ,
	L0000293 , L0000294 , L0000295 , L0000296 , L0000297 , L0000298 , L0000299 , L0000300 ,
	L0000301 , L0000302 , L0000303 , L0000304 , L0000305 , L0000306 , L0000307 , L0000308 ,
	L0000309 , L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 ,
	L0000317 , L0000318 , L0000319 , L0000320 , L0000321 , L0000322 , L0000323 , L0000324 ,
	L0000325 , L0000326 , L0000327 , L0000328 , L0000329 , L0000330 , L0000331 , L0000332 ,
	L0000333 , L0000334 , L0000335 , L0000336 , L0000337 , L0000338 , L0000339 , L0000340 ,
	L0000341 , L0000342 , L0000343 , L0000344 , L0000345 , L0000346 ,

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

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	L0000213 , L0000214 , L0000215 , L0000216 , L0000217 , L0000218 , L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 , L0000225 , L0000226 , L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 , L0000233 , L0000234 , L0000235 , L0000236 , L0000237 , L0000238 , L0000239 , L0000240 , L0000241 , L0000242 , L0000243 , L0000244 , L0000245 , L0000246 , L0000247 , L0000248 , L0000249 , L0000250 , L0000251 , L0000252 , L0000253 , L0000254 , L0000255 , L0000256 , L0000257 , L0000258 , L0000259 , L0000260 , L0000261 , L0000262 , L0000263 , L0000264 , L0000265 , L0000266 , L0000267 , L0000268 , L0000269 , L0000270 , L0000271 , L0000272 , L0000273 , L0000274 , L0000275 , L0000276 , L0000277 , L0000278 , L0000279 , L0000280 , L0000281 , L0000282 , L0000283 , L0000284 , L0000285 , L0000286 , L0000287 , L0000288 , L0000289 , L0000290 , L0000291 , L0000292 , L0000293 , L0000294 , L0000295 , L0000296 , L0000297 , L0000298 , L0000299 , L0000300 , L0000301 , L0000302 , L0000303 , L0000304 , L0000305 , L0000306 , L0000307 , L0000308 , L0000309 , L0000310 , L0000311 , L0000312 , L0000313 , L0000314 , L0000315 , L0000316 , L0000317 , L0000318 , L0000319 , L0000320 , L0000321 , L0000322 , L0000323 , L0000324 ,

L0000325 , L0000326 , L0000327 , L0000328 , L0000329 , L0000330 ,
L0000331 , L0000332 ,

L0000333 , L0000334 , L0000335 , L0000336 , L0000337 , L0000338 ,
L0000339 , L0000340 ,

L0000341 , L0000342 , L0000343 , L0000344 , L0000345 , L0000346 ,
L0000347 , L0000348 ,

L0000349 , L0000350 , L0000351 , L0000352 , L0000353 , L0000354 ,
L0000355 , L0000356 ,

L0000357 , L0000358 , L0000359 , L0000360 , L0000361 , L0000362 ,
L0000363 , L0000364 ,

L0000365 , L0000366 , L0000367 , L0000368 , L0000369 , L0000370 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(450135.2, 3748067.2, 194.0, 491.0, 0.0); (450162.1, 3748060.9, 193.9, 491.0, 0.0);
(450683.8, 3746906.5, 216.1, 1224.0, 0.0); (450625.5, 3746895.0, 220.0, 1224.0, 0.0);
(450571.6, 3746885.7, 220.1, 1224.0, 0.0); (450541.1, 3746852.1, 220.7, 1224.0, 0.0);
(450517.6, 3746819.0, 221.6, 1224.0, 0.0); (450441.2, 3746781.0, 222.7, 1224.0, 0.0);
(449595.9, 3747200.1, 221.0, 1224.0, 0.0); (449606.8, 3747174.6, 221.7, 1224.0, 0.0);
(449607.5, 3747155.8, 222.1, 1224.0, 0.0); (449421.5, 3747164.1, 224.1, 1224.0, 0.0);
(449388.1, 3747210.6, 223.5, 1224.0, 0.0); (449352.0, 3747261.4, 222.7, 1224.0, 0.0);
(449323.5, 3747311.0, 221.2, 1224.0, 0.0); (449469.0, 3747444.4, 215.7, 1224.0, 0.0);
(449455.1, 3747462.0, 215.6, 1224.0, 0.0); (449420.9, 3747503.6, 214.9, 1224.0, 0.0);
(449397.6, 3747533.7, 214.8, 1224.0, 0.0); (449361.2, 3747577.7, 213.3, 1224.0, 0.0);
(449338.1, 3747607.5, 212.7, 1224.0, 0.0); (449309.1, 3747645.5, 212.0, 1224.0, 0.0);
(449281.9, 3747678.8, 211.2, 1224.0, 0.0); (449251.0, 3747718.1, 210.6, 1224.0, 0.0);
(449230.9, 3747741.8, 209.8, 1224.0, 0.0); (449205.9, 3747774.3, 207.9, 1224.0, 0.0);
(449192.3, 3747791.7, 207.2, 1224.0, 0.0); (449147.0, 3747848.7, 208.8, 1224.0, 0.0);
(449156.5, 3747809.9, 208.1, 1224.0, 0.0); (449226.0, 3747876.4, 201.8, 1224.0, 0.0);
(449249.0, 3747901.9, 200.4, 1224.0, 0.0); (449264.5, 3747925.0, 199.8, 1224.0, 0.0);
(451384.6, 3747982.4, 203.7, 491.0, 0.0); (451375.3, 3747996.6, 203.2, 491.0, 0.0);
(451365.6, 3748009.8, 202.9, 491.0, 0.0); (451357.2, 3748020.9, 202.5, 491.0, 0.0);
(451348.8, 3748034.1, 202.0, 491.0, 0.0); (451339.5, 3748047.4,

201.8, 491.0, 0.0);
(451330.7, 3748059.8, 201.2, 491.0, 0.0); (451322.3, 3748073.9,
201.0, 491.0, 0.0);
(451313.0, 3748087.6, 201.0, 491.0, 0.0); (451305.0, 3748100.5,
201.0, 491.0, 0.0);
(451294.9, 3748115.0, 200.8, 491.0, 0.0); (451287.8, 3748129.2,
200.6, 491.0, 0.0);
(451278.5, 3748139.8, 200.2, 491.0, 0.0); (451268.8, 3748153.9,
200.0, 491.0, 0.0);
(451259.5, 3748165.0, 200.0, 491.0, 0.0); (451242.8, 3748192.5,
200.0, 491.0, 0.0);
(451235.6, 3748206.1, 200.0, 491.0, 0.0); (451225.1, 3748218.1,
200.0, 491.0, 0.0);
(451214.2, 3748232.8, 200.0, 491.0, 0.0); (450994.6, 3748323.5,
198.0, 491.0, 0.0);
(450985.7, 3748337.3, 198.0, 491.0, 0.0); (450978.3, 3748350.7,
197.7, 491.0, 0.0);
(450968.4, 3748360.6, 197.2, 491.0, 0.0); (450962.4, 3748372.1,
197.0, 491.0, 0.0);
(450955.3, 3748383.3, 197.0, 491.0, 0.0); (450946.7, 3748395.1,
197.0, 491.0, 0.0);
(450941.6, 3748405.3, 197.0, 491.0, 0.0); (450933.9, 3748414.2,
197.0, 491.0, 0.0);
(450925.3, 3748428.3, 197.0, 491.0, 0.0); (450918.3, 3748458.3,
197.1, 491.0, 0.0);
(450902.3, 3748477.5, 197.5, 491.0, 0.0); (450884.1, 3748487.7,
197.2, 491.0, 0.0);
(450459.1, 3747940.5, 195.8, 491.0, 0.0); (450466.9, 3748023.2,
196.7, 491.0, 0.0);
(450479.4, 3748049.8, 197.0, 491.0, 0.0); (450385.8, 3748121.5,
196.0, 491.0, 0.0);
(450237.0, 3748129.3, 194.6, 491.0, 0.0); (450297.3, 3748113.3,
195.0, 491.0, 0.0);
(450301.8, 3748067.3, 195.0, 491.0, 0.0); (450069.9, 3747966.1,
194.0, 491.0, 0.0);
(450095.5, 3747899.3, 194.9, 491.0, 0.0); (450104.4, 3747804.1,
195.8, 1224.0, 0.0);
(450108.2, 3747749.2, 196.2, 1224.0, 0.0); (450118.1, 3747642.8,
198.7, 1224.0, 0.0);
(450372.1, 3747723.0, 198.4, 491.0, 0.0); (450432.8, 3747772.2,
198.0, 491.0, 0.0);
(450275.6, 3747660.7, 199.7, 1224.0, 0.0); (450552.6, 3747832.4,
196.8, 491.0, 0.0);
(450660.6, 3747897.9, 197.6, 491.0, 0.0); (450192.7, 3747552.5,
204.2, 1224.0, 0.0);
(450040.2, 3747582.9, 198.1, 1224.0, 0.0); (449970.3, 3747534.8,
198.4, 1224.0, 0.0);
(449916.5, 3747497.6, 199.8, 1224.0, 0.0); (449562.8, 3746659.9,
235.8, 1224.0, 0.0);
(449441.2, 3746707.2, 236.3, 1224.0, 0.0); (448683.5, 3747341.9,
229.3, 1224.0, 0.0);
(451771.0, 3748522.1, 204.6, 491.0, 0.0); (449838.1, 3748037.2,
189.6, 1224.0, 0.0);

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

(449859.5, 3748080.6, 190.0, 1224.0,

```
    0.0);
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        17:19:21

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

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

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



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

                                                   1.54,   3.09,   5.14,   8.23,  10.80,
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        17:19:21

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

   Surface file:
   KRAL_V9_ADJU\KRAL_v9.SFC                                                            Met
   Version:  16216
   Profile file:
   KRAL_V9_ADJU\KRAL_v9.PFL
   Surface format:
   FREE

   Profile format:
   FREE

   Surface station no.:     3171                  Upper air station no.:     3190
                  Name: UNKNOWN                                     Name:
                  UNKNOWN
                  Year:   2012                                      Year:   2012

 First 24 hours of scalar data
 YR MO DY JDY HR     H0     U*     W*  DT/DZ ZICNV ZIMCH  M-O LEN    Z0  BOWEN ALBEDO  REF WS
```

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


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

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        17:19:21

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** THE ANNUAL AVERAGE CONCENTRATION VALUES AVERAGED OVER 5 YEARS FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): L0000213 , L0000214 , L0000215 , L0000216 , L0000217 , L0000218 , L0000219 , L0000220 , L0000221 , L0000222 , L0000223 , L0000224 , L0000225 , L0000226 , L0000227 , L0000228 , L0000229 , L0000230 , L0000231 , L0000232 , L0000233 , L0000234 , L0000235 , L0000236 , L0000237 , L0000238 , L0000239 , L0000240 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
450135.21	3748067.21	0.00049	450162.07	3748060.94	0.00056
450683.82	3746906.49	0.00003	450625.48	3746895.00	0.00003
450571.56	3746885.71	0.00003	450541.07	3746852.13	0.00003
450517.64	3746818.98	0.00002	450441.19	3746780.97	0.00002
449595.86	3747200.14	0.00012	449606.75	3747174.59	0.00011
449607.51	3747155.80	0.00010	449421.54	3747164.07	0.00009
449388.10	3747210.65	0.00010	449352.04	3747261.37	0.00010
449323.49	3747310.96	0.00010	449468.97	3747444.40	0.00014
449455.12	3747462.05	0.00013	449420.92	3747503.58	0.00012
449397.58	3747533.71	0.00012	449361.20	3747577.68	0.00011
449338.13	3747607.54	0.00010	449309.08	3747645.54	0.00009
449281.90	3747678.77	0.00009	449250.95	3747718.13	0.00008
449230.86	3747741.75	0.00007	449205.89	3747774.32	0.00007
449192.32	3747791.70	0.00007	449146.98	3747848.70	0.00006
449156.48	3747809.88	0.00006	449225.95	3747876.42	0.00006
449249.03	3747901.94	0.00006	449264.50	3747925.02	0.00006
451384.63	3747982.42	0.00010	451375.34	3747996.57	0.00010
451365.62	3748009.83	0.00010	451357.22	3748020.88	0.00009
451348.82	3748034.14	0.00009	451339.53	3748047.41	0.00009
451330.69	3748059.78	0.00008	451322.29	3748073.93	0.00008
451313.01	3748087.63	0.00008	451305.05	3748100.46	0.00008
451294.88	3748115.04	0.00007	451287.81	3748129.19	0.00007
451278.53	3748139.80	0.00007	451268.80	3748153.95	0.00007

```
        451259.52    3748165.00        0.00007                      451242.76
        3748192.54         0.00007
        451235.62    3748206.07        0.00007                      451225.10
        3748218.09         0.00007
        451214.21    3748232.75        0.00006                      450994.63
        3748323.53         0.00007
        450985.68    3748337.26        0.00007                      450978.34
        3748350.68         0.00007
        450968.44    3748360.58        0.00007                      450962.37
        3748372.08         0.00007
        450955.34    3748383.26        0.00007                      450946.72
        3748395.08         0.00007
        450941.61    3748405.30        0.00007                      450933.94
        3748414.24         0.00007
        450925.32    3748428.29        0.00007                      450918.29
        3748458.32         0.00006
        450902.32    3748477.48        0.00006                      450884.11
        3748487.70         0.00006
        450459.10    3747940.54        0.00128                      450466.91
        3748023.24         0.00061
        450479.39    3748049.76        0.00049                      450385.77
        3748121.54         0.00041
        450237.01    3748129.34        0.00042                      450297.33
        3748113.35         0.00048
        450301.80    3748067.35        0.00069                      450069.90
        3747966.09         0.00056
        450095.45    3747899.33        0.00087                      450104.40
        3747804.14         0.00107
        450108.23    3747749.20        0.00103                      450118.13
        3747642.83         0.00115
        450372.07    3747723.01        0.00191                      450432.76
        3747772.20         0.00185
        450275.61    3747660.72        0.00157                      450552.61
        3747832.38         0.00091
FF *** AERMOD - VERSION 21112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13566
Magnolia\13566 Ops\13566  ***        06/22/22
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        17:19:21

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                   *** THE ANNUAL AVERAGE CONCENTRATION    VALUES AVERAGED OVER   5 YEARS FOR
                   SOURCE GROUP: ALL      ***
                                  INCLUDING SOURCE(S):     L0000213    , L0000214    ,
                                  L0000215    , L0000216    , L0000217    ,
                L0000218    , L0000219    , L0000220    , L0000221    , L0000222    ,
                L0000223    , L0000224    , L0000225    ,
                L0000226    , L0000227    , L0000228    , L0000229    , L0000230    ,
                L0000231    , L0000232    , L0000233    ,
                L0000234    , L0000235    , L0000236    , L0000237    , L0000238    ,
                L0000239    , L0000240    ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

      X-COORD (M)   Y-COORD (M)        CONC                       X-COORD (M)   Y-COORD
      (M)        CONC
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
        450660.57    3747897.91        0.00049                      450192.74
        3747552.50         0.00067
        450040.17    3747582.94        0.00107                      449970.27
        3747534.84         0.00096
```

449916.53 3747497.63 0.00091 449562.77
3746659.92 0.00002
449441.18 3746707.24 0.00003 448683.53
3747341.91 0.00004
451770.96 3748522.08 0.00002 449838.10
3748037.19 0.00018
449859.45 3748080.62
0.00017

FF *** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13566 Magnolia\13566 Ops\13566 *** 06/22/22
*** AERMET - VERSION 16216 ***
*** *** 17:19:21

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00191 AT	(450372.07, 3747723.01, 198.40, 491.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00185 AT	(450432.76, 3747772.20, 198.00, 491.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00157 AT	(450275.61, 3747660.72, 199.65, 1224.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00128 AT	(450459.10, 3747940.54, 195.80, 491.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00115 AT	(450118.13, 3747642.83, 198.73, 1224.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00107 AT	(450040.17, 3747582.94, 198.11, 1224.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00107 AT	(450104.40, 3747804.14, 195.78, 1224.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00103 AT	(450108.23, 3747749.20, 196.16, 1224.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00096 AT	(449970.27, 3747534.84, 198.40, 1224.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00091 AT	(450552.61, 3747832.38, 196.81, 491.00, 0.00)	DC	

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

FF *** AERMOD - VERSION 21112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13566 Magnolia\13566 Ops\13566 *** 06/22/22
*** AERMET - VERSION 16216 ***
*** *** 17:19:21

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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   2 Warning Message(s)
A Total of   1638 Informational Message(s)

A Total of   43848 Hours Were Processed

A Total of   1039 Calm Hours Identified

A Total of   599 Missing Hours Identified (1.37 Percent)

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

******** WARNING MESSAGES ********
ME W186 476 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 476 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

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APPENDIX 2.4:

RISK CALCULATIONS

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

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.03256	3.26E-05	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	2.3E-05	2.7E-06	5.0E+00	1.4E-03	6.5E-03							
TOTAL								2.7E-06			6.5E-03	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

2.73

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	240
exposure duration (years)	0.92
inhalation rate (L/kg-day))	1090
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor (0 to 2 years old)	10

Table 3
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
2-16 Age Bin Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00056	5.60E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.1E-07	1.3E-07	5.0E+00	1.4E-03	1.1E-04							
TOTAL								1.3E-07			1.1E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.13

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	13.23
inhalation rate (L/kg-day))	572
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.72
age sensitivity factor (ages 2 to 16 years	3

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

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00056	5.60E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.4E-07	2.1E-08	5.0E+00	1.4E-03	1.1E-04							
TOTAL								2.1E-08			1.1E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.02

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	261
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.73
age sensitivity factor (ages 16 to 30 years old)	1

Total Risk for All Age Bins (per million) 2.88

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

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00056	5.60E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.9E-07	6.2E-09	5.0E+00	1.4E-03	1.1E-04							
TOTAL								6.2E-09			1.1E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	0.25
inhalation rate (L/kg-day))	361
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor (age third trimester	10

Table 2
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
0-2 Age Bin Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00056	5.60E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	5.9E-07	1.5E-07	5.0E+00	1.4E-03	1.1E-04							
TOTAL								1.5E-07			1.1E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	2
inhalation rate (L/kg-day))	1090
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.85
age sensitivity factor (0 to 2 years old)	10

Table 3
Quantification of Carcinogenic Risks and Noncarcinogenic Hazards
2-16 Age Bin Exposure Scenario

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00056	5.60E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.1E-07	1.4E-07	5.0E+00	1.4E-03	1.1E-04							
TOTAL								1.4E-07			1.1E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	572
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.72
age sensitivity factor (ages 2 to 16 years	3

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

Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**								
					URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
	(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	(mg/kg/day)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
	0.00056	5.60E-07	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	1.4E-07	2.1E-08	5.0E+00	1.4E-03	1.1E-04							
TOTAL								2.1E-08			1.1E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

0.02

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	350
exposure duration (years)	14
inhalation rate (L/kg-day))	261
inhalation absorption factor	1
averaging time (years)	70
fraction of time at home	0.73
age sensitivity factor (ages 16 to 30 years old)	1

Total Risk for All Age Bins (per million) **0.32**

Table 5
Quantification of Carcinogenic Risks and Noncarcinogenic Risks
25-Year Worker Exposure Scenario

	Source	Mass GLC		Weight Fraction	Contaminant	Carcinogenic Risk				Noncarcinogenic Hazards/ Toxicological Endpoints**									
						URF	CPF	DOSE	RISK	REL	RfD	RESP	CNS/PNS	CV/BL	IMMUN	KIDN	GI/LV	REPRO	EYES
		(ug/m^3)	(mg/m^3)			(ug/m^3)$^{-1}$	($mg/kg/day$)$^{-1}$	(mg/kg-day)		(ug/m^3)	(mg/kg/day)								
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)
1	Diesel Particulates	1.91E-03	1.91E-06	1.00E+00	Diesel Particulate	3.0E-04	1.1E+00	3.0E-07	1.1E-07	5.0E+00	1.4E-03	3.8E-04							
	TOTAL								1.1E-07 0.11			3.8E-04	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00	0.0E+00

** Key to Toxicological Endpoints

RESP	Respiratory System
CNS/PNS	Central/Peripheral Nervous System
CV/BL	Cardiovascular/Blood System
IMMUN	Immune System
KIDN	Kidney
GI/LV	Gastrointestinal System/Liver
REPRO	Reproductive System (e.g. teratogenic and developmental effects)
EYES	Eye irritation and/or other effects

Note: Exposure factors used to calculate contaminant intake

exposure frequency (days/year)	250
exposure duration (years)	25
inhalation rate (L/kg-day))	230
inhalation absorption factor	1
averaging time (years)	70

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