

Appendix C-1

Revised Air Quality Technical Report



West Campus Upper Plateau

REVISED AIR QUALITY IMPACT ANALYSIS

MARCH JOINT POWER AUTHORITY (MARCH JPA)

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LIST OF ABBREVIATED TERMS

%	Percent
°F	Degrees Fahrenheit
(1)	Reference
µg/m ³	Microgram per Cubic Meter
<i>1992 CO Plan</i>	<i>1992 Federal Attainment Plan for Carbon Monoxide</i>
<i>1993 CEQA Handbook</i>	<i>SCAQMD's CEQA Air Quality Handbook (1993)</i>
<i>2003 AQMP</i>	<i>SCAQMD's 2003 Air Quality Management Plan</i>
<i>2016 AQMP</i>	<i>SCAQMD's Final 2016 Air Quality Management Plan</i>
<i>2022 AQMP</i>	<i>SCAQMD's Final 2022 Air Quality Management Plan</i>
<i>2020-2045 RTP/SCS</i>	<i>2016-2040 Regional Transportation Plan/Sustainable Communities Strategy</i>
AB 2595	California Clean Air Act
AQIA	Air Quality Impact Analysis
AQMP	Air Quality Management Plan
BAAQMD	Bay Area Air Quality Management District
BC	Black Carbon
C ₂ Cl ₄	Perchloroethylene
C ₄ H ₆	1,3-butadiene
C ₆ H ₆	Benzene
C ₂ H ₃ Cl	Vinyl Chloride
C ₂ H ₄ O	Acetaldehyde
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CALGreen	California Green Building Standards Code
CAP	Climate Action Plan
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEC	California Energy Commission
CEQA	California Environmental Quality Act
<i>CEQA Guidelines</i>	<i>State CEQA Guidelines</i>
CH ₂ O	Formaldehyde
CO	Carbon Monoxide
COH	Coefficient of Haze

COHb	Carboxyhemoglobin
Cr(VI)	Chromium
CTP	Clean Truck Program
Cr(VI)	Chromium
CRRC	Cool Roof Rating Council
CTP	Clean Truck Program
CY	Cubic Yards
DPM	Diesel Particulate Matter
DRRP	Diesel Risk Reduction Plan
EC	Elemental Carbon
EIR	Environmental Impact Reports
EMFAC	EMissions FACtor Model
EPA	Environmental Protection Agency
ETW	Equivalent Test Weight
EV	Electric Vehicles
g/L	Grams Per Liter
GHG	Greenhouse Gas
GVWR	Gross Vehicle Weight Rating
H ₂ S	Hydrogen Sulfide
HDT	Heavy Duty Trucks
HI	Hazard Index
HHDT	Heavy-Heavy-Duty Trucks
hp	Horsepower
ITE	Institute of Transportation Engineers
lbs	Pounds
lbs/day	Pounds Per Day
LDA	Light Duty Auto
LDT1/LDT2	Light-Duty Trucks
LHDT	Light-Heavy-Duty Trucks
LST	Localized Significance Threshold
<i>LST METHODOLOGY</i>	Final Localized Significance Threshold Methodology
March JPA	March Joint Powers Authority
MATES	Multiple Air Toxics Exposure Study
MDV	Medium-Duty Vehicles
MHDT	Medium-Heavy-Duty Trucks
MICR	Maximum Individual Cancer Risk
MM	Mitigation Measures
MW	Megawatt

MWELO	California Department of Water Resources' Model Water Efficient Ordinance
N ₂	Nitrogen
N ₂ O	Nitrous Oxide
NAAQS	National Ambient Air Quality Standards
NO	Nitric Oxide
NO ₂	Nitrogen Dioxide
NO _x	Nitrogen Oxides
O ₂	Oxygen
O ₃	Ozone
O ₂ Deficiency	Chronic Hypoxemia
OBD-II	On-Board Diagnostic
OPR	Office of Planning and Research
Pb	Lead
PM ₁₀	Particulate Matter 10 microns in diameter or less
PM _{2.5}	Particulate Matter 2.5 microns in diameter or less
POLA	Port of Los Angeles
POLB	Port of Long Beach
ppm	Parts Per Million
Project	West Campus Upper Plateau
RECLAIM	Regional Clean Air Incentives Market
RFG-2	Reformulated Gasoline Regulation
ROG	Reactive Organic Gases
RTP	Regional Transportation Plan
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCAQMD Rule 403	Fugitive Dust
SCAQMD Rule 1113	Architectural Coating
SCS	Sustainable Communities Strategy
sf	Square Feet
SIPs	State Implementation Plans
SO ₂	Sulfur Dioxide
SO ₄	Sulfates
SO _x	Sulfur Oxides
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TAZ	Traffic Analysis Zone

TDM	Transportation Demand Management
TITLE I	Non-Attainment Provisions
TITLE II	Mobile Sources Provisions
TRU	Transport Refrigeration Unit
UFP	Ultra Fine Particles
UTRs	Utility Tractors
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds
vph	Vehicles Per Hour

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EXECUTIVE SUMMARY

ES.1 SUMMARY OF REVISIONS

This report ~~revises and replaces~~ updates the *West Campus Upper Plateau Air Quality Impact Analysis* dated ~~December 15, 2022~~ October 31, 2023. Additions are presented with double-underlined text and deletions are presented with strikethrough text. The West Campus Upper Plateau Project (Project) has converted several Project Design Features to Mitigation Measures and expanded the Mitigation Measures proposed to address air quality impacts. Project emissions were modeled for both without and with mitigation using CalEEMod Version 2022.1.1.20, which incorporates numerous updates from the CalEEMod Version 2022.1.0.11 used in the original report. This report also includes analysis of emergency generators and clarification of construction activities. ~~This report is not presented with strikeout/double-underline given the extent of revisions, particularly in the tables.~~

ES.2 SUMMARY OF FINDINGS

The results of this *Revised West Campus Upper Plateau Air Quality Impact Analysis* (AQIA) are summarized below based on the significance criteria in Section 3 of this report consistent with Appendix G of the *California Environmental Quality Act (CEQA) Guidelines (CEQA Guidelines)* as implemented by the March JPA (1). Table ES-1 shows the findings of significance for each potential air quality impact under CEQA before and after any required mitigation described below.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings		
		Unmitigated	Mitigation Measure	Mitigated ¹
Regional Construction Emissions	5.3	<i>Potentially Significant</i>	<i>MM AQ-1 through MM AQ-4</i>	<i>Less than significant</i>
Localized Construction Emissions	5.5	<i>Less Than Significant</i>	<i>n/a</i>	<i>n/a</i>
Regional Operational Emissions	5.4	<i>Potentially Significant</i>	<i>MM AQ-5 through MM AQ-27</i>	<i>Significant and Unavoidable</i>
Localized Operational Emissions	5.6	<i>Less Than Significant</i>	<i>n/a</i>	<i>n/a</i>
CO "Hot Spot" Analysis	5.7	<i>Less Than Significant</i>	<i>n/a</i>	<i>n/a</i>
Air Quality Management Plan	5.8	<i>Potentially Significant</i>	<i>MM AQ-1 through MM AQ-27</i>	<i>Significant and Unavoidable</i>
Regional Transportation Plan/ Sustainable Communities Strategy	5.9	<i>Less Than Significant</i>	<i>n/a</i>	<i>n/a</i>

Analysis	Report Section	Significance Findings		
		Unmitigated	Mitigation Measure	Mitigated ¹
Sensitive Receptors	5.10	<i>Less Than Significant</i>	<i>n/a</i>	<i>n/a</i>
Odors	5.11	<i>Less Than Significant</i>	<i>n/a</i>	<i>n/a</i>
Cumulative Impacts	5.12	<i>Potentially Significant</i>	<i>MM AQ-1 through MM AQ-27</i>	<i>Significant and Unavoidable</i>

ES.3 STANDARD REGULATORY REQUIREMENTS

There are numerous requirements that development projects must comply with by law, and that were put in place by federal, State, and local regulatory agencies for the improvement of air quality. Required by South Coast Air Quality Management District (SCAQMD) Rules, the two most pertinent regulatory requirements that apply during construction activity for the proposed Project include but are not limited to Rule 403 (Fugitive Dust) (2) and Rule 1113 (Architectural Coatings) (3). As such, emission reductions from Rule 403 and Rule 1113 are reflected in the analysis.

SCAQMD RULE 403

This rule is intended to reduce the amount of particulate matter entrained in the ambient air as a result of anthropogenic (human-made) fugitive dust sources by requiring actions to prevent and reduce fugitive dust emissions. Rule 403 applies to any activity or human-made condition capable of generating fugitive dust and requires best available control measures to be applied to earth moving and grading activities.

SCAQMD RULE 1113

This rule serves to limit the Volatile Organic Compound (VOC) content of architectural coatings used on projects in the SCAQMD. Any person who supplies, sells, offers for sale, or manufactures any architectural coating for use on projects in the SCAQMD must comply with the current VOC standards set in this rule.

ES.4 PROJECT DESIGN FEATURES

The Project will implement the following Project Design Feature (PDF), which would result in a reduction of criteria pollutant emissions. Emission reductions from this PDF are reflected in both the without and with mitigation scenarios.

PDF AQ-1

Specific Plan Area development shall not utilize natural gas. In the event a future structure requires access to any available natural gas infrastructure, additional environmental review shall be required.

ES.5 PROJECT MITIGATION MEASURES

ES.5.1 CONSTRUCTION-SOURCE MMS

The Project construction-source emissions have the potential to exceed SCAQMD regional thresholds for VOC and NO_x emissions prior to mitigation. Mitigation Measures (MMs) AQ-1 through AQ-4 are designed to reduce Project construction-source VOC and NO_x emissions. After application of MMs AQ-1 through AQ-4, Project construction-source emissions will not exceed SCAQMD regional thresholds for VOC or NO_x emissions. Thus, the Project would result in a less than significant impact associated with construction activities.

MM AQ-1

Prior to issuance of each grading permit and building permit, the applicant shall provide evidence that all offroad equipment used during construction shall meet CARB Tier 4 Final emission standards or better.

MM AQ-2

To ensure construction activities occur within the assumptions utilized in the Revised Air Quality Impact Analysis (AQIA) (Appendix C-1) and disclosed in the EIR, the following shall be implemented:

- During each Phase of Project construction, the operating hours of construction equipment on site shall not exceed 8 hours and the additional assumptions set forth in Table 5-2 of the AQIA. In the event alternate equipment is required, the applicant shall provide documentation demonstrating equivalent or reduced emissions based on horsepower and hours of operation. The construction contractor shall submit a construction equipment hours log to the March JPA every 2 weeks to ensure compliance.
- During Phase 1, areas of active ground disturbance shall not exceed a maximum of 20 acres per day for Mass Grading and 20 acres per day for Blasting & Rock Handling. During Phase 2, the area of active ground disturbance shall not exceed a maximum of 20 acres per day for Remedial Grading. The construction contractor shall submit a grading log to the March JPA every two weeks documenting acreage graded or equivalent cubic yardage to ensure compliance. "Active disturbance" does not include moving of equipment from staging area(s) to grading areas, or haul routes between grading areas if the active disturbance areas are not contiguous.

MM AQ-3

Prior to issuance of each grading permit and building permit, the applicant shall provide evidence that the subject plans contain the following requirements and restrictions:

- No grading shall occur on days with an Air Quality Index forecast greater than 150 for particulates or ozone as forecasted for the project area (Source Receptor Area 23).
- Contractor shall require all heavy-duty trucks hauling onto the project site to be model year 2014 or later. This measure shall not apply to trucks that are not owned or operated by the contractor since it would be infeasible to prohibit access to the site by any truck that is otherwise legal to operate on California roads and highways.

- No construction equipment idling longer than three (3) minutes shall be permitted.
- All construction equipment shall be tuned and maintained in accordance with the manufacturer's specifications, with maintenance records onsite and available to regulatory authorities upon request.
- No diesel-powered portable generators shall be used, unless necessary due to emergency situations or constrained supply.
- Contractor required to provide transit and ridesharing information to onsite construction workers.
- Contractor required to establish one or more locations for food or catering truck service to construction workers and to cooperate with food service providers to provide consistent food service.
- Use of electric-powered hand tools, forklifts and pressure washers, to the extent feasible.
- Designation of an area in the construction site where electric-powered construction vehicles and equipment can charge.

MM AQ-4

Prior to issuance of building permits, the developer's construction plans shall ensure the Project will utilize "Super-Compliant" low VOC paints which have been reformulated to exceed the regulatory VOC limits put forth by SCAQMD's Rule 1113. Super-Compliant low VOC paints shall be no more than 10 grams per liter (g/L) of VOC. Alternatively, the Applicant may utilize tilt-up concrete buildings that do not require the use of architectural coatings.

ES.5.2 OPERATIONAL-SOURCE MMS

For regional emissions, the Project has the potential to exceed the numerical thresholds of significance established by the SCAQMD. It is important to note that the majority of the Project's emissions are derived from vehicle usage (passenger cars and trucks). Since neither the Project Applicant nor the March JPA have regulatory authority to control tailpipe emissions, no feasible MMs beyond the measures identified herein exist that would reduce emissions to levels that are less-than-significant, thus these emissions are considered significant and unavoidable.

The following measures (MMs AQ-5 through AQ-27) are designed to reduce Project operational-source VOC, NO_x, CO, PM₁₀, and PM_{2.5} emissions. However, even with application of MMs AQ-5 through AQ-27, Project operational-source emissions impacts would be significant and unavoidable.

MM AQ-5

All Specific Plan Area site plans shall include documentation confirming the site plan's environmental impacts do not exceed the impacts identified and disclosed in this EIR. Absent such documentation, additional environmental review shall be required.

MM AQ-6

All buildings constructed shall achieve the 2023 LEED Silver certification standards or equivalent, at a minimum. Prior to issuance of certificate of occupancy, applicant shall provide March JPA with evidence of compliance with the LEED standards.

MM AQ-7

Prior to the issuing of each building permit, the Project applicant and its contractors shall provide plans and specifications to the March Joint Powers Authority that demonstrate that each Project building is designed for passive heating and cooling and is designed to include natural light. Features designed to achieve this shall include the proper placement of windows, overhangs, and skylights.

MM AQ-8

Prior to the issuance of a building permit, the Project applicant shall provide evidence to the March Joint Powers Authority that all TRU loading docks provide electrical hookups and all loading docks are designed to be compatible with SmartWay trucks.

MM AQ-9

Prior to issuance of a building permit for any industrial facility with a building or buildings larger than 400,000 total square feet, the approved construction plans for the facility shall include a truck operator lounge equipped with clean and accessible amenities such as restrooms, vending machines, television, and air conditioning.

MM AQ-10

Prior to issuance of a building permit, the approved construction plans shall include cool surface treatments to all drive aisles and parking areas or such areas shall be constructed with a solar-reflective cool pavement such as concrete.

MM AQ-11

Prior to issuance of a building permit, the Project applicant shall provide the March Joint Powers Authority with project specifications, drawings, and calculations that demonstrate that main electrical supply lines and panels have been sized to support 'clean fleet' charging facilities, including heavy-duty and delivery trucks when these trucks become available. The calculations shall be based on reasonable predictions from currently available truck manufacturer's data. Electrical system upgrades that exceed reasonable costs shall not be required.

MM AQ-12

Prior to issuance of a building permit, the Project applicant shall provide the March Joint Powers Authority with an on-site signage program that clearly identifies the required on-site circulation system. This shall be accomplished through posted signs and painting on driveways and internal roadways.

MM AQ-13

Prior to the issuing of each building permit, the Project applicant and its contractors shall provide plans and specifications to the March Joint Powers Authority that demonstrate that electrical service is provided to each of the areas in the vicinity of the building that are to be landscaped in order that electrical equipment may be used for landscape maintenance. Said electrical outlets shall be located no more than every 200 feet apart. This measure may also be satisfied by locating charging stations around the building to accommodate battery-operated equipment.

MM AQ-14

Once constructed, the Project applicant or successor in interest shall ensure that all building occupants shall utilize electric or battery-operated equipment for landscape maintenance through requirements in the lease agreements or purchase and sale agreement.

MM AQ-15

Prior to issuance of an occupancy permit, the March Joint Powers Authority shall confirm that signs clearly identifying the approved truck routes have been installed along the truck routes to and from the project site and within the project site.

MM AQ-16

Prior to issuance of an occupancy permit, the Project applicant shall install a sign on the property with telephone, email, and regular mail contact information for a designated representative of the tenant who would receive complaints about excessive noise, dust, fumes, or odors. The sign shall also identify contact information for the March Joint Powers Authority or Riverside County, as determined by the permitting authority, and the South Coast Air Quality Management District for perceived Code violations. The tenant's representative shall keep records of any complaints received and actions taken to communicate with the complainant and resolve the complaint. The tenant's representative shall endeavor to resolve complaints within 24 hours.

MM AQ-17

Legible, durable, weather-proof signs shall be placed at truck access gates, loading docks, and truck parking areas that identify applicable CARB anti-idling regulations. At a minimum, each sign shall include: 1) instructions for truck drivers to shut off engines when not in use; 2) instructions for drivers of diesel trucks to restrict idling to no more than three (3) minutes once the vehicle is stopped, the transmission is set to "neutral" or "park," and the parking brake is engaged; and 3) telephone numbers of the building facilities manager, South Coast Air Quality Management District and the California Air Resources Board to report violations. Prior to the issuance of an occupancy permit, the March Joint Powers Authority shall conduct a site inspection to ensure that the signs are in place. One six square foot sign providing this information shall be located on the building between every two dock-high doors and the sign shall be posted in highly visible locations at the entrance gates, semi parking areas, and trailer parking locations.

MM AQ-18

Once constructed, through requirements in the lease agreements or purchase and sale agreement, the Project applicant or successor in interest shall ensure that all building occupants shall utilize only electric service yard trucks (hostlers), pallet jacks and forklifts, and other on-site equipment, with necessary electrical charging stations provided. Yard hostlers may be diesel fueled in lieu of electrically powered, provided that the occupant submits a letter identifying that electric hostlers are technically infeasible and provided such yard hostlers are compliant with California Air Resources Board (CARB) Tier 4 Final compliant for off-road vehicles. As an alternative, hydrogen fuel-cell or compressed natural gas (CNG) powered equipment shall also be acceptable.

MM AQ-19

Prior to tenant occupancy, the Project applicant or successor in interest shall provide documentation to the March Joint Powers Authority demonstrating that occupants/tenants of the Project site have been provided documentation on funding opportunities, such as the Carl Moyer Program, that provide incentives for using cleaner-than-required engines and equipment.

MM AQ-20

For any warehouse building where the tenant will own and operate a commercial fleet of vehicles that will be domiciled at the Project site, the following shall apply:

Trucks: Upon occupancy, through requirements in the lease agreements or purchase and sale agreement, the facility operator shall require all heavy-duty trucks (Class 7 and 8) domiciled at the Project site to be model year 2014 or later from start of operations and shall expedite a transition to zero-emission vehicles, with the fleet fully zero-emission by December 31, 2030, or when feasible for the intended application, whichever date is later.

Vehicles/Delivery Vans: Upon occupancy, through requirements in the lease agreements or purchase and sale agreement, the facility operator shall require tenants utilize a “clean fleet” of vehicles/delivery vans/trucks (Class 2 through 6) as part of business operations as follows: For any vehicle (Class 2 through 6) domiciled at the Project site, the following “clean fleet” requirements apply: (1) 33% of the fleet will be zero emission vehicles at start of operations, (2) 65% of the fleet will be zero emission vehicles by December 31, 2026, (3) 80% of the fleet will be zero emission vehicles by December 31, 2028, and (4) 100% of the fleet will be zero emission vehicles by December 31, 2030, or when feasible for the intended application, whichever date is later.

Feasibility: Prior to building permit or occupancy, the applicant shall submit for March JPA’s review and approval, a feasibility study regarding the status of commercially available zero-emission heavy-duty trucks (Class 7 and 8) and vehicle/delivery vans/trucks (Class 2 through 6) as required by this mitigation measure. “Feasible” means availability of vehicles capable of serving the intended application (including sufficient off-site charging and fueling infrastructure within a sufficient mileage range) and is included in California’s Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project, <https://californiahvip.org/vehiclecatalog/>.

In order for the March JPA to assess whether use of such vehicles are infeasible, the operator shall submit documentation of infeasibility which can include but is not limited to information of one or more of the following: (1) documentation from a minimum of three California ZEV dealers identified on the californiahvip.org website demonstrating the inability to obtain the required ZEVs or equipment needed within 6 months from issuance of a building's certificate of occupancy; (2) documentation demonstrating that sufficient off-site charging infrastructure or fueling stations are not available between the project site and destinations, taking into account a minimum of 15% route mileage deviation for access; (3) documentation demonstrating that there is an inadequate utility capacity, in either terms of generation and distribution of electricity or hydrogen to provide service to on-site or off-site charging stations; (4) documentation that ZEV vehicles are not available for less than one-and-a-half times the cost of an equivalent diesel or gasoline fuel vehicle; or (5) documentation demonstrating that such vehicles do not have a load capacity sufficient to allow tenant to operate without using greater than 10% more trucks (collectively, "Infeasibility Factors"). The March JPA shall be responsible for the final determination of feasibility and may (but is not required to) consult with the California Air Resources Board before making such final determination.

For each lease agreement or purchase and sale agreement, if the March JPA determines that heavy-duty trucks (Class 7 and 8) and/or vehicle/delivery vans/trucks (Class 2 through 6) are not available based on the Infeasibility Factors, then the project applicant shall have no obligation to include zero emission requirements for those vehicle classes in the lease agreement or purchase and sale agreement.

Servicing: Zero-emission heavy-duty trucks that require service can be temporarily replaced with model year 2014 or later trucks. Replacement trucks shall be used for only the minimum time required for servicing fleet trucks. Zero-emission vehicles that require service can be temporarily replaced with alternate vehicles. Replacement vehicles shall be used for only the minimum time required for servicing fleet vehicles.

Occupants shall be encouraged to consider the use of alternative fueled trucks as well as new or retrofitted diesel trucks. Occupants shall also be encouraged to become SmartWay Partners, if eligible.

This measure shall not apply to trucks or vehicles that are not owned and operated by the facility operator or facility tenants since it would be infeasible to prohibit access to the site by any truck or vehicle that is otherwise legal to operate on California roads and highways.

Definitions:

"Domiciled at the Project site" shall mean the vehicle is parked or kept overnight at the Project site more than 70% of the calendar year.

"Owned and operated" shall not include vehicles used by common carriers operating under their own authority that provide delivery services to or from the Project site.

Trucks: Upon occupancy, through requirements in the lease agreements or purchase and sale agreement, the facility operator shall require all heavy-duty trucks (Class 7 and 8) domiciled at

~~the project site are model year 2014 or later from start of operations, and shall expedite a transition to zero-emission vehicles, with the fleet fully zero-emission by December 31, 2030 or when commercially available for the intended application, whichever date is later.~~

~~“Commercially available” means if the vehicle is capable of serving the intended application (including sufficient offsite charging infrastructure), and is included in California’s Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project, <https://californiahvip.org/vehiclecatalog/>. The March JPA shall be responsible for the final determination of commercial availability and may (but is not required to) consult with the California Air Resources Board before making such final determination. In order for the March JPA to make a determination that such vehicles are commercially unavailable, the operator must submit either (1) documentation from a minimum of three (3) EV dealers identified on the californiahvip.org website demonstrating the inability to obtain the required EVs or equipment needed within 6 months; and/or (2) documentation that sufficient offsite charging infrastructure is not available between the site and destinations, taking into account a minimum of 15% route mileage deviation for access.~~

~~“Domiciled at the project site” shall mean the vehicle is either (i) parked or kept overnight at the project site more than 70% of the calendar year or (ii) dedicated to the project site (defined as more than 70% of the truck routes (during the calendar year) that start at the project site even if parked or kept elsewhere).~~

~~Zero-emission heavy duty trucks which require service can be temporarily replaced with model year 2014 or later trucks. Replacement trucks shall be used for only the minimum time required for servicing fleet trucks.~~

~~Occupants shall be encouraged to consider the use of alternative fueled trucks as well as new or retrofitted diesel trucks. Occupants shall also be encouraged to become SmartWay Partners, if eligible. This measure shall not apply to trucks that are not owned or operated by the facility operator or facility tenants since it would be infeasible to prohibit access to the site by any truck that is otherwise legal to operate on California roads and highways.~~

~~Vehicles/Delivery Vans: Upon occupancy, through requirements in the lease agreements or purchase and sale agreement, the facility operator shall require tenants utilize a “clean fleet” of vehicles/delivery vans/trucks (Class 2 through 6) as part of business operations as follows: For any vehicle (Class 2 through 6) domiciled at the project site, the following “clean fleet” requirements apply: (i) 33% of the fleet will be zero-emission vehicles at start of operations, (ii) 65% of the fleet will be zero-emission vehicles by December 31, 2026, (iii) 80% of the fleet will be zero-emission vehicles by December 31, 2028, and (iv) 100% of the fleet will be zero-emission vehicles by December 31, 2030.~~

~~“Domiciled at the project site” shall mean the vehicle is either (i) parked or kept overnight at the project site more than 70% of the calendar year or (ii) dedicated to the project site (defined as more than 70% of the truck routes (during the calendar year) that start at the project site even if parked or kept elsewhere).~~

~~Zero emission vehicles which require service can be temporarily replaced with alternate vehicles. Replacement vehicles shall be used for only the minimum time required for servicing fleet vehicles.~~

~~This measure shall not apply to vehicles that are not owned or operated by the facility operator or facility tenants since it would be infeasible to prohibit access to the site by any vehicle that is otherwise legal to operate on California roads and highways.~~

MM AQ-21

Through requirements in the lease agreements or purchase and sale agreement, tenants who employ 250 or more employees on a full- or part-time basis shall comply with South Coast Air Quality Management District (SCAQMD) Rule 2202, On-Road Motor Vehicle Mitigation Options. The purpose of this rule is to provide employees with a menu of options to reduce employee commute vehicle emissions. Tenants with less than 250 employees or tenants with 250 or more employees who are exempt from SCAQMD Rule 2202 (as stated in the Rule) shall either (a) join with a tenant who is implementing a program in accordance with Rule 2202 or (b) implement an emission reduction program similar to Rule 2202 with annual reporting of actions and results to the March JPA. The tenant-implemented program would include, but not be limited to the following:

- Appoint a Transportation Demand Management (TDM) coordinator who would promote the TDM program, activities and features to all employees.
- Create and maintain a “commuter club” to manage subsidies or incentives for employees who carpool, vanpool, bicycle, walk, or take transit to work.
- Inform employees of public transit and commuting services available to them (e.g., social media, signage).
- Provide on-site transit pass sales and discounted transit passes.
- Guarantee a ride home.
- Offer shuttle service to and from public transit and commercial areas/food establishments, if warranted. Alternatively, establish locations for food or catering truck service and cooperate with food service providers to provide consistent food service to employees.
- Designating areas for employee pickup and drop-off.
- Coordinate with the Riverside Transit Agency and employers in the surrounding area to maximize the benefits of the TDM program.

MM AQ-22

Through requirements in the lease agreements or purchase and sale agreement, upon occupancy and annually thereafter, the facility operator shall provide information to all tenants, with instructions that the information shall be provided to employees and truck drivers as appropriate, regarding:

- Building energy efficiency, solid waste reduction, recycling, and water conservation.
- Vehicle GHG emissions, electric vehicle charging availability, and alternate transportation opportunities for commuting.

- Participation in the Voluntary Interindustry Commerce Solutions (VICS) “Empty Miles” program to improve goods trucking efficiencies.
- Health effects of diesel particulates, state regulations limiting truck idling time, and the benefits of minimized idling.
- The importance of minimizing traffic, noise, and air pollutant impacts to any residences in the Project vicinity.
- Efficient scheduling and load management to eliminate unnecessary queuing and idling of trucks.

MM AQ-23

Through requirements in the lease agreements or purchase and sale agreement, upon occupancy and once a month thereafter, the facility operator shall sweep the property, including parking lots and truck courts, to remove road dust, tire wear, brake dust, and other contaminants.

MM AQ-24

Through requirements in the lease agreements or purchase and sale agreement, upon occupancy, tenants shall not use diesel back-up generators, unless absolutely necessary. Tenant shall provide documentation demonstrating, to March JPA’s satisfaction, that no other back-up energy source(s) are available and sufficient for the building’s needs. If absolutely necessary, at the time of initial operation, generators shall have Best Available Control Technology (BACT) that meets CARB’s Tier 4 emission standards or meets the most stringent in-use standard, whichever has the least emissions. In the event rental back-up generators are required during an emergency, the units shall be located at the project site for only the minimum time required. Tenants shall make every effort to utilize rental emergency backup generators that meet CARB’s Tier 4 emission standards or have the least emissions.

MM AQ-25

Through requirements in the lease agreements or purchase and sale agreement, upon occupancy, the facility operator shall monitor and ensure compliance with all current air quality regulations for on-road trucks including CARB’s Heavy-Duty (Tractor-trailer) Greenhouse Gas Regulation, Periodic Smoke Inspection Program, and the Statewide Truck and Bus Regulation, as applicable, by maintaining records on-site demonstrating compliance and making records available for inspection by the local jurisdiction, air district, and state upon request.

MM AQ-26

Through requirements in the lease agreements or purchase and sale agreement, upon occupancy, the facility operator shall ensure that any outdoor areas allowing smoking are at least 25 feet from the nearest property line.

MM AQ-27

Through requirements in the lease agreements or purchase and sale agreement, tenants shall comply with all applicable requirements of the MMRP, a copy of which shall be attached to each agreement.

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1 INTRODUCTION

This report presents the results of the Revised AQIA prepared by Urban Crossroads, Inc., for the proposed Meridian West Campus Upper Plateau Project (Project). The purpose of this Revised AQIA is to evaluate the potential impacts to air quality associated with construction and operation of the Project and recommend measures to mitigate impacts considered potentially significant in comparison to thresholds established by the SCAQMD.

1.1 SITE LOCATION

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

1.2 PROJECT DESCRIPTION

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

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

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

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

EXHIBIT 1-A: LOCATION MAP

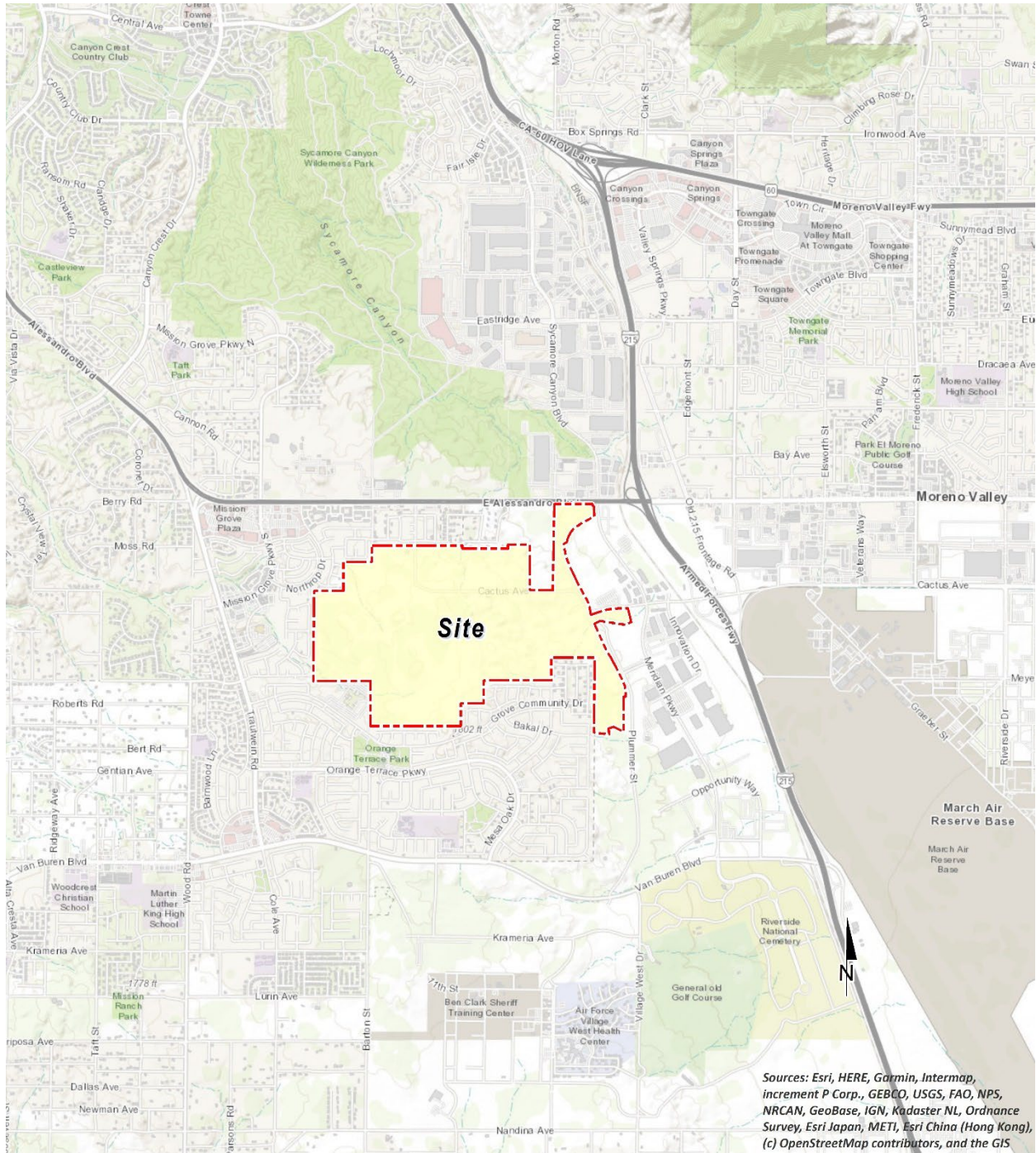
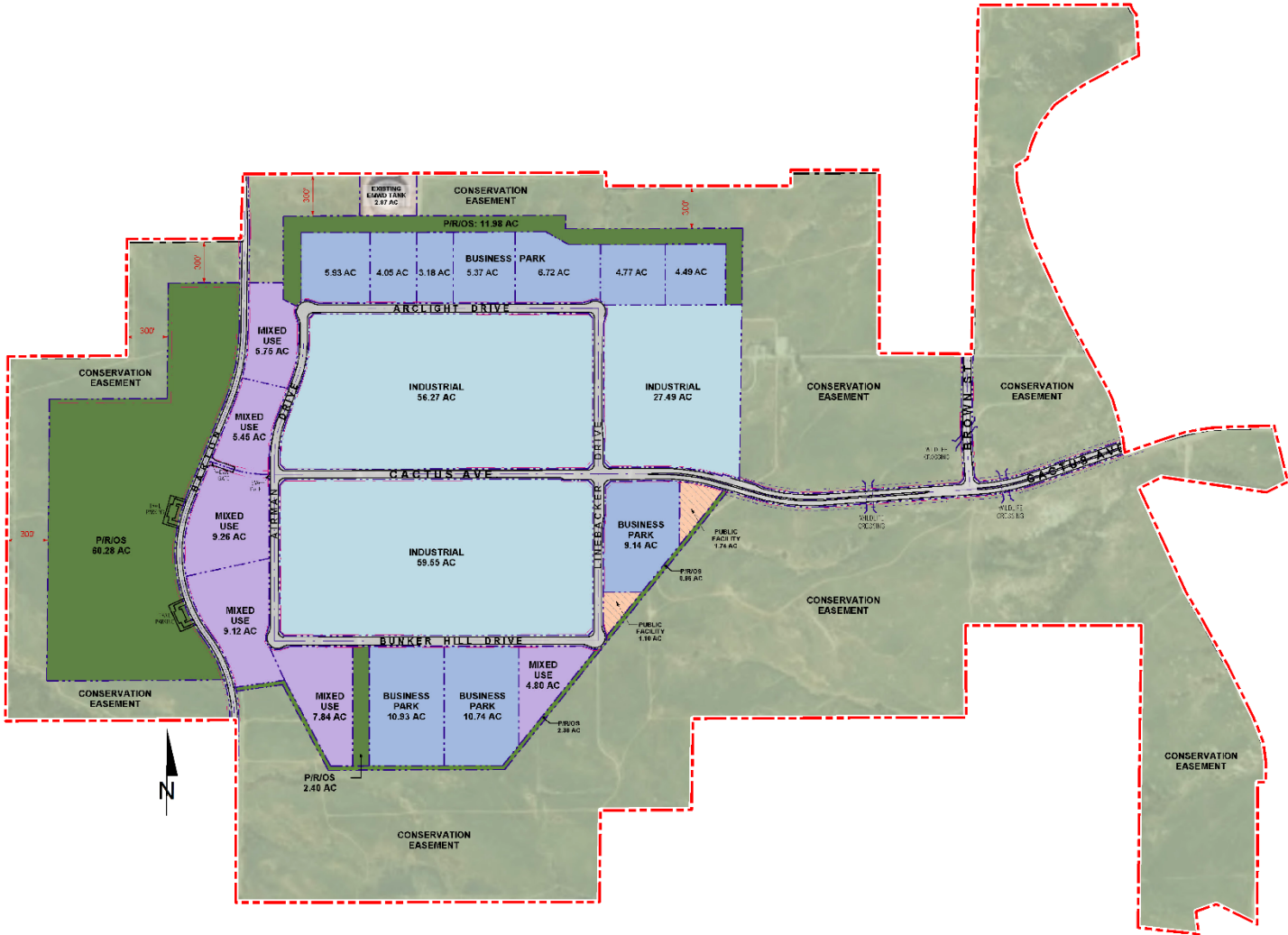


EXHIBIT 1-B: SITE PLAN



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2 AIR QUALITY SETTING

This section provides an overview of the existing air quality conditions in the Project area and region.

2.1 SOUTH COAST AIR BASIN

The Project site is located in the South Coast Air Basin (SCAB) within the jurisdiction of SCAQMD (5). The SCAQMD was created by the 1977 Lewis-Presley Air Quality Management Act, which merged four county air pollution control bodies into one regional district. Under the Act, the SCAQMD is responsible for bringing air quality in areas under its jurisdiction into conformity with federal and state air quality standards. As previously stated, the Project site is located within the SCAB, a 6,745-square mile subregion of the SCAQMD, which includes the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties, and all of Orange County.

The SCAB is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east, and the San Diego Air Basin to the south.

2.2 REGIONAL CLIMATE

The regional climate has a substantial influence on air quality in the SCAB. In addition, the temperature, wind, humidity, precipitation, and amount of sunshine influence the air quality.

The annual average temperatures throughout the SCAB vary from the low to middle 60s degrees Fahrenheit (°F). Due to a decreased marine influence, the eastern portion of the SCAB shows greater variability in average annual minimum and maximum temperatures. January is the coldest month throughout the SCAB, with average minimum temperatures of 47°F in downtown Los Angeles and 36°F in San Bernardino. All portions of the SCAB have recorded maximum temperatures above 100°F.

Although the climate of the SCAB can be characterized as semi-arid, the air near the land surface is quite moist on most days because of the presence of a marine layer. This shallow layer of sea air is an important modifier of SCAB climate. Humidity restricts visibility in the SCAB, and the conversion of sulfur dioxide (SO₂) to sulfates (SO₄) is heightened in air with high relative humidity. The marine layer provides an environment for that conversion process, especially during the spring and summer months. The annual average relative humidity within the SCAB is 71 percent (%) along the coast and 59% inland. Since the ocean effect is dominant, periods of heavy early morning fog are frequent and low stratus clouds are a characteristic feature. These effects decrease with distance from the coast.

More than 90% of the SCAB's rainfall occurs from November through April. The annual average rainfall varies from approximately nine inches in Riverside to fourteen inches in downtown Los Angeles. Monthly and yearly rainfall totals are extremely variable. Summer rainfall usually consists of widely scattered thunderstorms near the coast and slightly heavier shower activity in the eastern portion of the SCAB with frequency being higher near the coast.

Due to its generally clear weather, about three-quarters of available sunshine is received in the SCAB. The remaining one-quarter is absorbed by clouds. The ultraviolet portion of this abundant radiation is a key factor in photochemical reactions. On the shortest day of the year, there are approximately 10 hours of possible sunshine, and on the longest day of the year, there are approximately 14½ hours of possible sunshine.

The importance of wind to air pollution is considerable. The direction and speed of the wind determines the horizontal dispersion and transport of the air pollutants. During the late autumn to early spring rainy season, the SCAB is subjected to wind flows associated with the traveling storms moving through the region from the northwest. This period also brings five to ten periods of strong, dry offshore winds, locally termed “Santa Anas” each year. During the dry season, which coincides with the months of maximum photochemical smog concentrations, the wind flow is bimodal, typified by a daytime onshore sea breeze and a nighttime offshore drainage wind. Summer wind flows are created by the pressure differences between the relatively cold ocean and the unevenly heated and cooled land surfaces that modify the general northwesterly wind circulation over southern California. Nighttime drainage begins with the radiational cooling of the mountain slopes. Heavy, cool air descends the slopes and flows through the mountain passes and canyons as it follows the lowering terrain toward the ocean. Another characteristic wind regime in the SCAB is the “Catalina Eddy,” a low level cyclonic (counterclockwise) flow centered over Santa Catalina Island which results in an offshore flow to the southwest. On most spring and summer days, some indication of an eddy is apparent in coastal sections.

In the SCAB, there are two distinct temperature inversion structures that control vertical mixing of air pollution. During the summer, warm high-pressure descending (subsiding) air is undercut by a shallow layer of cool marine air. The boundary between these two layers of air is a persistent marine subsidence/inversion. This boundary prevents vertical mixing which effectively acts as an impervious lid to pollutants over the entire SCAB. The mixing height for the inversion structure is normally situated 1,000 to 1,500 feet above mean sea level.

A second inversion-type forms in conjunction with the drainage of cool air off the surrounding mountains at night followed by the seaward drift of this pool of cool air. The top of this layer forms a sharp boundary with the warmer air aloft and creates nocturnal radiation inversions. These inversions occur primarily in the winter, when nights are longer and onshore flow is weakest. They are typically only a few hundred feet above mean sea level. These inversions effectively trap pollutants, such as nitrogen oxides (NO_x) and carbon monoxide (CO) from vehicles, as the pool of cool air drifts seaward. Winter is therefore a period of high levels of primary pollutants along the coastline.

2.3 WIND PATTERNS AND PROJECT LOCATION

The distinctive climate of the Project area and the SCAB is determined by its terrain and geographical location. The SCAB is located in a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean in the southwest quadrant with high mountains forming the remainder of the perimeter.

Wind patterns across the south coastal region are characterized by westerly and southwesterly onshore winds during the day and easterly or northeasterly breezes at night. Winds are characteristically light although the speed is somewhat greater during the dry summer months than during the rainy winter season.

2.4 CRITERIA POLLUTANTS

Criteria pollutants are pollutants that are regulated through the development of human health based and/or environmentally based criteria for setting permissible levels. Criteria pollutants, their typical sources, and health effects are identified below (6):

TABLE 2-1: CRITERIA POLLUTANTS

Criteria Pollutant	Description	Sources	Health Effects
CO	CO is a colorless, odorless gas produced by the incomplete combustion of carbon-containing fuels, such as gasoline or wood. CO concentrations tend to be the highest during the winter morning, when little to no wind and surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines, unlike ozone (O ₃), motor vehicles operating at slow speeds are the primary source of CO in the SCAB. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections.	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment and residential heating.	Individuals with a deficient blood supply to the heart are the most susceptible to the adverse effects of CO exposure. The effects observed include earlier onset of chest pain with exercise, and electrocardiograph changes indicative of decreased oxygen (O ₂) supply to the heart. Inhaled CO has no direct toxic effect on the lungs but exerts its effect on tissues by interfering with O ₂ transport and competing with O ₂ to combine with hemoglobin present in the blood to form carboxyhemoglobin (COHb). Hence, conditions with an increased demand for O ₂ supply can be adversely affected by exposure to CO. Individuals most at risk include fetuses, patients with diseases involving heart and blood vessels, and patients with chronic hypoxemia (O ₂ deficiency) as seen at high altitudes.
SO ₂	SO ₂ is a colorless, extremely irritating gas or liquid. It enters the atmosphere as a pollutant	Coal or oil burning power plants and industries,	A few minutes of exposure to low levels of SO ₂ can result in airway constriction in some

Criteria Pollutant	Description	Sources	Health Effects
	<p>mainly as a result of burning high sulfur-content fuel oils and coal and from chemical processes occurring at chemical plants and refineries. When SO₂ oxidizes in the atmosphere, it forms SO₄. Collectively, these pollutants are referred to as sulfur oxides (SO_x).</p>	<p>refineries, diesel engines</p>	<p>asthmatics, all of whom are sensitive to its effects. In asthmatics, increase in resistance to air flow, as well as reduction in breathing capacity leading to severe breathing difficulties, are observed after acute exposure to SO₂. In contrast, healthy individuals do not exhibit similar acute responses even after exposure to higher concentrations of SO₂.</p> <p>Animal studies suggest that despite SO₂ being a respiratory irritant, it does not cause substantial lung injury at ambient concentrations. However, very high levels of exposure can cause lung edema (fluid accumulation), lung tissue damage, and sloughing off of cells lining the respiratory tract.</p> <p>Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient SO₂ levels. In these studies, efforts to separate the effects of SO₂ from those of fine particles have not been successful. It is not clear whether the two pollutants act synergistically, or one pollutant alone is the predominant factor.</p>
NO _x	<p>NO_x consist of nitric oxide (NO), nitrogen dioxide (NO₂) and nitrous oxide (N₂O) and are formed when nitrogen (N₂) combines with O₂. Their lifespan in the atmosphere ranges from</p>	<p>Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming</p>	<p>Population-based studies suggest that an increase in acute respiratory illness, including infections and respiratory symptoms in children (not infants), is</p>

Criteria Pollutant	Description	Sources	Health Effects
	<p>one to seven days for nitric oxide and nitrogen dioxide, to 170 years for nitrous oxide. NO_x is typically created during combustion processes and are major contributors to smog formation and acid deposition. NO₂ is a criteria air pollutant and may result in numerous adverse health effects; it absorbs blue light, resulting in a brownish-red cast to the atmosphere and reduced visibility. Of the seven types of nitrogen oxide compounds, NO₂ is the most abundant in the atmosphere. As ambient concentrations of NO₂ are related to traffic density, commuters in heavy traffic may be exposed to higher concentrations of NO₂ than those indicated by regional monitoring station.</p>	<p>equipment and residential heating.</p>	<p>associated with long-term exposure to NO₂ at levels found in homes with gas stoves, which are higher than ambient levels found in Southern California. Increase in resistance to air flow and airway contraction is observed after short-term exposure to NO₂ in healthy subjects. Larger decreases in lung functions are observed in individuals with asthma or chronic obstructive pulmonary disease (e.g., chronic bronchitis, emphysema) than in healthy individuals, indicating a greater susceptibility of these sub-groups.</p> <p>In animals, exposure to levels of NO₂ considerably higher than ambient concentrations result in increased susceptibility to infections, possibly due to the observed changes in cells involved in maintaining immune functions. The severity of lung tissue damage associated with high levels of O₃ exposure increases when animals are exposed to a combination of O₃ and NO₂.</p>
O ₃	<p>O₃ is a highly reactive and unstable gas that is formed when VOCs and NO_x, both byproducts of internal combustion engine exhaust, undergo slow photochemical reactions in the presence of sunlight. O₃ concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable to the formation of this pollutant.</p>	<p>Formed when reactive organic gases (ROG) and NO_x react in the presence of sunlight. ROG sources include any source that burns fuels, (e.g., gasoline, natural gas, wood, oil) solvents, petroleum processing and</p>	<p>Individuals exercising outdoors, children, and people with preexisting lung disease, such as asthma and chronic pulmonary lung disease, are considered to be the most susceptible sub-groups for O₃ effects. Short-term exposure (lasting for a few hours) to O₃ at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased</p>

Criteria Pollutant	Description	Sources	Health Effects
		storage and pesticides.	<p>susceptibility to infections, inflammation of the lung tissue, and some immunological changes. Elevated O₃ levels are associated with increased school absences. In recent years, a correlation between elevated ambient O₃ levels and increases in daily hospital admission rates, as well as mortality, has also been reported. An increased risk for asthma has been found in children who participate in multiple outdoor sports and live in communities with high O₃ levels.</p> <p>O₃ exposure under exercising conditions is known to increase the severity of the responses described above. Animal studies suggest that exposure to a combination of pollutants that includes O₃ may be more toxic than exposure to O₃ alone. Although lung volume and resistance changes observed after a single exposure diminish with repeated exposures, biochemical and cellular changes appear to persist, which can lead to subsequent lung structural changes.</p>
Particulate Matter	PM ₁₀ : A major air pollutant consisting of tiny solid or liquid particles of soot, dust, smoke, fumes, and aerosols. Particulate matter pollution is a major cause of reduce visibility (haze) which is caused by the scattering of light and consequently the significant reduction air clarity. The size of the particles (10 microns or smaller, about 0.0004 inches or less) allows them to easily enter the lungs where they may be	Sources of PM ₁₀ include road dust, windblown dust and construction. Also formed from other pollutants (acid rain, NO _x , SO _x , organics). Incomplete combustion of any fuel. PM _{2.5} comes from	A consistent correlation between elevated ambient fine particulate matter (PM ₁₀ and PM _{2.5}) levels and an increase in mortality rates, respiratory infections, number and severity of asthma attacks and the number of hospital admissions has been observed in different parts of the United States and various areas around the world. In

Criteria Pollutant	Description	Sources	Health Effects
	<p>deposited, resulting in adverse health effects. Additionally, it should be noted that PM₁₀ is considered a criteria air pollutant.</p> <p>PM_{2.5}: A similar air pollutant to PM₁₀ consisting of tiny solid or liquid particles which are 2.5 microns or smaller (which is often referred to as fine particles). These particles are formed in the atmosphere from primary gaseous emissions that include SO₄ formed from SO₂ release from power plants and industrial facilities and nitrates that are formed from NO_x release from power plants, automobiles, and other types of combustion sources. The chemical composition of fine particles highly depends on location, time of year, and weather conditions. PM_{2.5} is a criteria air pollutant.</p>	<p>fuel combustion in motor vehicles, equipment, and industrial sources, residential and agricultural burning. Also formed from reaction of other pollutants (acid rain, NO_x, SO_x, organics).</p>	<p>recent years, some studies have reported an association between long-term exposure to air pollution dominated by fine particles and increased mortality, reduction in lifespan, and an increased mortality from lung cancer.</p> <p>Daily fluctuations in PM_{2.5} concentration levels have also been related to hospital admissions for acute respiratory conditions in children, to school and kindergarten absences, to a decrease in respiratory lung volumes in normal children, and to increased medication use in children and adults with asthma. Recent studies show lung function growth in children is reduced with long term exposure to particulate matter.</p> <p>The elderly, people with pre-existing respiratory or cardiovascular disease, and children appear to be more susceptible to the effects of high levels of PM₁₀ and PM_{2.5}.</p>
VOC	<p>VOCs are hydrocarbon compounds (any compound containing various combinations of hydrogen and carbon atoms) that exist in the ambient air. VOCs contribute to the formation of smog through atmospheric photochemical reactions and/or may be toxic. Compounds of carbon (also known as organic compounds) have different levels of reactivity; that is, they do not react at the same speed or do not form O₃ to the same extent when exposed to photochemical processes. VOCs often have an odor, and some examples include gasoline, alcohol, and the</p>	<p>Organic chemicals are widely used as ingredients in household products. Paints, varnishes, and wax all contain organic solvents, as do many cleaning, disinfecting, cosmetic, degreasing and hobby products. Fuels are made up of organic chemicals. All of these products can release organic</p>	<p>Breathing VOCs can irritate the eyes, nose, and throat, can cause difficulty breathing and nausea, and can damage the central nervous system as well as other organs. Some VOCs can cause cancer. Not all VOCs have all these health effects, though many have several.</p>

Criteria Pollutant	Description	Sources	Health Effects
	solvents used in paints. Exceptions to the VOC designation include CO, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate. VOCs are a criteria pollutant since they are a precursor to O ₃ , which is a criteria pollutant. The terms VOC and ROG (see below) interchangeably.	compounds while you are using them, and, to some degree, when they are stored.	
ROG	Similar to VOC, ROGs are also precursors in forming O ₃ and consist of compounds containing methane, ethane, propane, butane, and longer chain hydrocarbons, which are typically the result of some type of combustion/decomposition process. Smog is formed when ROG and NO _x react in the presence of sunlight. ROGs are a criteria pollutant since they are a precursor to O ₃ , which is a criteria pollutant. The terms ROG and VOC (see previous) interchangeably.	Sources similar to VOCs.	Health effects similar to VOCs.
Lead (Pb)	Pb is a heavy metal that is highly persistent in the environment and is considered a criteria pollutant. In the past, the primary source of Pb in the air was emissions from vehicles burning leaded gasoline. The major sources of Pb emissions are ore and metals processing, particularly Pb smelters, and piston-engine aircraft operating on leaded aviation gasoline. Other stationary sources include waste incinerators, utilities, and lead-acid battery manufacturers. It should be noted that the Project does not include operational activities such as metal processing or Pb acid battery manufacturing. As such, the Project is not anticipated to	Metal smelters, resource recovery, leaded gasoline, deterioration of Pb paint.	Fetuses, infants, and children are more sensitive than others to the adverse effects of Pb exposure. Exposure to low levels of Pb can adversely affect the development and function of the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased Pb levels are associated with increased blood pressure. Pb poisoning can cause anemia, lethargy, seizures, and death; although it appears that there are no direct effects of Pb on the respiratory system. Pb can be

Criteria Pollutant	Description	Sources	Health Effects
	generate a quantifiable amount of Pb emissions.		stored in the bone from early age environmental exposure, and elevated blood Pb levels can occur due to breakdown of bone tissue during pregnancy, hyperthyroidism (increased secretion of hormones from the thyroid gland) and osteoporosis (breakdown of bony tissue). Fetuses and breast-fed babies can be exposed to higher levels of Pb because of previous environmental Pb exposure of their mothers.
Odor	Odor means the perception experienced by a person when one or more chemical substances in the air come into contact with the human olfactory nerves (7).	Odors can come from many sources including animals, human activities, industry, nature, and vehicles.	Offensive odors can potentially affect human health in several ways. First, odorant compounds can irritate the eye, nose, and throat, which can reduce respiratory volume. Second, studies have shown that the VOCs that cause odors can stimulate sensory nerves to cause neurochemical changes that might influence health, for instance, by compromising the immune system. Finally, unpleasant odors can trigger memories or attitudes linked to unpleasant odors, causing cognitive and emotional effects such as stress.

As explained in the Brief of Amicus Curiae by SCAQMD (Brief, April 6, 2015) in *Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502 (*Friant Ranch*), SCAQMD has among the most sophisticated air quality modeling and health impact evaluation capability of any of the air districts in the state, and thus it is uniquely situated to express an opinion on how lead agencies should correlate air quality impacts with specific health outcomes (8). The Brief discusses that it may be infeasible to quantify health risks caused by individual projects, due to various factors. It is necessary to have data regarding the sources and types of air toxic contaminants, location of emission points, velocity of emissions, the meteorology and topography of the area, and the location of receptors (worker and residence). The Brief also cites the author of the CARB methodology, which reported that a PM_{2.5} methodology is not suited for small projects and may yield unreliable results. Similarly, SCAQMD staff does not currently know of a way to accurately quantify O₃-related health impacts caused by NO_x or ROG (VOC) emissions from relatively small projects, due to

photochemistry and regional model limitations. The Brief concludes, with respect to the *Friant Ranch* EIR, that although it may have been technically possible to plug the data into a methodology, the results would not have been reliable or meaningful.

As noted in the Brief, it would be extremely difficult, if not impossible to quantify health impacts of criteria pollutants for various reasons, including modeling limitations, as well as where in the atmosphere air pollutants interact and form for a development as small as the proposed Project. Furthermore, as noted in the Brief of Amicus Curiae by the San Joaquin Valley Air Pollution Control District (April 13, 2015), San Joaquin Valley Air Pollution Control District has acknowledged that currently available modeling tools are not equipped to provide a meaningful analysis of the correlation between an individual development project's air emissions and specific human health impacts (9). The San Joaquin Valley Air Pollution Control District notes, "...the Air District is simply not equipped to analyze and to what extent the criteria pollutant emissions of an individual CEQA project directly impact human health in a particular area...even for projects with relatively high levels of emissions of criteria pollutant precursor emissions."

The briefs make it clear that two expert agencies do not believe that there must be a quantification of a project's health risks in all CEQA documents prepared for individual projects. To date, the SCAQMD has not released any additional guidance on *Friant Ranch* analysis. Any attempt to quantify the Project's health risks would be considered unreliable and misleading.

2.5 EXISTING AIR QUALITY

Existing air quality is measured at established SCAQMD air quality monitoring stations. Monitored air quality is evaluated in the context of ambient air quality standards. These standards are the levels of air quality that are considered safe, with an adequate margin of safety, to protect the public health and welfare. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) currently in effect are shown in Table 2-2 (10).

The determination of whether a region's air quality is healthful or unhealthful is determined by comparing contaminant levels in ambient air samples to the state and federal standards. At the time of this Revised AQIA, the most recent state and federal standards were updated by CARB on May 4, 2016 and are presented in Table 2-2. The air quality in a region is considered to be in attainment by the state if the measured ambient air pollutant levels for O₃, CO (except 8-hour Lake Tahoe), SO₂ (1 and 24 hour), NO₂, PM₁₀, and PM_{2.5} are not to be exceeded. All others are not to be equaled or exceeded. It should be noted that the three-year period is presented for informational purposes and is not the basis for how the State assigns attainment status. Attainment status for a pollutant means that the SCAQMD meets the standards set by the EPA or the California EPA (CalEPA). Conversely, nonattainment means that an area has monitored air quality that does not meet the NAAQS or CAAQS standards. In order to improve air quality in nonattainment areas, a State Implementation Plan (SIP) is drafted by CARB. The SIP outlines the measures that the state will take to improve air quality. Once nonattainment areas meet the standards and additional redesignation requirements, the EPA will designate the area as a maintenance area (11).

TABLE 2-2: AMBIENT AIR QUALITY STANDARDS (1 OF 2)

Ambient Air Quality Standards							
Pollutant	Averaging Time	California Standards ¹		National Standards ²			
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷	
Ozone (O ₃) ⁸	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry	
	8 Hour	0.070 ppm (137 µg/m ³)		0.070 ppm (137 µg/m ³)			
Respirable Particulate Matter (PM ₁₀) ⁹	24 Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis	
	Annual Arithmetic Mean	20 µg/m ³		—			
Fine Particulate Matter (PM _{2.5}) ⁹	24 Hour	—	—	35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis	
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	12.0 µg/m ³			15 µg/m ³
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m ³)	—	Non-Dispersive Infrared Photometry (NDIR)	
	8 Hour	9.0 ppm (10 mg/m ³)		9 ppm (10 mg/m ³)			
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		—			
Nitrogen Dioxide (NO ₂) ¹⁰	1 Hour	0.18 ppm (339 µg/m ³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m ³)	—	Gas Phase Chemiluminescence	
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)		0.053 ppm (100 µg/m ³)			Same as Primary Standard
Sulfur Dioxide (SO ₂) ¹¹	1 Hour	0.25 ppm (655 µg/m ³)	Ultraviolet Fluorescence	75 ppb (196 µg/m ³)	—	Ultraviolet Fluorescence; Spectrophotometry (Parosanaline Method)	
	3 Hour	—		—			0.5 ppm (1300 µg/m ³)
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ¹¹			—
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) ¹¹			—
Lead ^{12,13}	30 Day Average	1.5 µg/m ³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption	
	Calendar Quarter	—		1.5 µg/m ³ (for certain areas) ¹²			Same as Primary Standard
	Rolling 3-Month Average	—		0.15 µg/m ³			
Visibility Reducing Particles ¹⁴	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards			
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography				
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence				
Vinyl Chloride ¹²	24 Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography				

See footnotes on next page ...

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California Air Resources Board (5/4/16)

TABLE 2-2: AMBIENT AIR QUALITY STANDARDS (2 OF 2)

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above $150 \mu\text{g}/\text{m}^3$ is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from $15 \mu\text{g}/\text{m}^3$ to $12.0 \mu\text{g}/\text{m}^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at $35 \mu\text{g}/\text{m}^3$, as was the annual secondary standard of $15 \mu\text{g}/\text{m}^3$. The existing 24-hour PM10 standards (primary and secondary) of $150 \mu\text{g}/\text{m}^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO_2 standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO_2 national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.
Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard ($1.5 \mu\text{g}/\text{m}^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

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2.6 REGIONAL AIR QUALITY

Air pollution contributes to a wide variety of adverse health effects. The EPA has established NAAQS for six of the most common air pollutants: CO, Pb, O₃, particulate matter (PM₁₀ and PM_{2.5}), NO₂, and SO₂ which are known as criteria pollutants. The SCAQMD monitors levels of various criteria pollutants at 37 permanent monitoring stations and 5 single-pollutant source Pb air monitoring sites throughout the air district (12). On January 5, 2021, CARB posted the 2020 amendments to the state and national area designations. See Table 2-3 for attainment designations for the SCAB (13). Appendix 2.1 provides geographic representation of the state and federal attainment status for applicable criteria pollutants within the SCAB.

TABLE 2-3: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SCAB

Criteria Pollutant	State Designation	Federal Designation
O ₃ – 1-hour standard	Nonattainment	--
O ₃ – 8-hour standard	Nonattainment	Nonattainment
PM ₁₀	Nonattainment	Attainment
PM _{2.5}	Nonattainment	Nonattainment
CO	Attainment	Unclassifiable/Attainment
NO ₂	Attainment ¹	Unclassifiable/Attainment
SO ₂	Attainment	Unclassifiable/Attainment
Pb ²	Attainment	Unclassifiable/Attainment

Note: See Appendix 2.1 for a detailed map of State/National Area Designations within the SCAB
 "--" = The national 1-hour O₃ standard was revoked effective June 15, 2005.

2.7 LOCAL AIR QUALITY

The SCAQMD has designated general forecast areas and air monitoring areas (referred to as Source Receptor Areas [SRA]) throughout the district in order to provide Southern California residents with information on the air quality conditions. The Project Site is located within the SRA 23 (14). Within SRA 23, the SCAQMD Metropolitan Riverside County 1 monitoring station, located approximately 8.4 miles northwest of the Project site, is the nearest long-term air quality monitoring station for O₃, CO, NO₂, PM₁₀, and PM_{2.5}.

The most recent three (3) years of data available are shown on Table 2-4 and identifies the number of days ambient air quality standards were exceeded for the study area, which is considered to be representative of the local air quality at the Project Site. Data for O₃, CO, NO₂, PM₁₀, and PM_{2.5} for 2018 through 2020 was obtained from the SCAQMD Air Quality Data Tables

¹ The area of route SR-60 between San Bernardino and Riverside Counties is designated as a nonattainment area for NO₂. It should be noted however, that the Project site is not located within this nonattainment area and is in fact located in an attainment area for NO₂. See Figure 5 of Appendix 2.1.

² The Federal nonattainment designation for lead is only applicable towards the Los Angeles County portion of the SCAB. See Figure 17 of Appendix 2.1.

(15). Additionally, data for SO₂ has been omitted as attainment is regularly met in the SCAB and few monitoring stations measure SO₂ concentrations.

TABLE 2-4: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2019-2021

Pollutant	Standard	Year		
		2019	2020	2021
O ₃				
Maximum Federal 1-Hour Concentration (ppm)		0.123	0.143	0.117
Maximum Federal 8-Hour Concentration (ppm)		0.096	0.115	0.097
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	24	46	20
Number of Days Exceeding State/Federal 8-Hour Standard	> 0.070 ppm	59	81	57
CO				
Maximum Federal 1-Hour Concentration	> 35 ppm	1.5	1.9	2.1
Maximum Federal 8-Hour Concentration	> 20 ppm	1.2	1.4	1.8
NO ₂				
Maximum Federal 1-Hour Concentration	> 0.100 ppm	0.056	0.066	0.052
Annual Average		0.014	0.014	0.014
PM ₁₀				
Maximum Federal 24-Hour Concentration (µg/m ³)	> 150 µg/m ³	99	104	76
Annual Federal Arithmetic Mean (µg/m ³)		34.4	30.0	34.2
Number of Days Exceeding Federal 24-Hour Standard	> 150 µg/m ³	0	0	0
Number of Days Exceeding State 24-Hour Standard	> 50 µg/m ³	21	110	16
PM _{2.5}				
Maximum Federal 24-Hour Concentration (µg/m ³)	> 35 µg/m ³	46.70	41.00	82.1
Annual Federal Arithmetic Mean (µg/m ³)	> 12 µg/m ³	11.13	12.63	12.58
Number of Days Exceeding Federal 24-Hour Standard	> 35 µg/m ³	4	4	10

ppm = Parts Per Million

µg/m³ = Microgram per Cubic Meter

Source: Data for O₃, CO, NO₂, PM₁₀, and PM_{2.5} was obtained from SCAQMD Air Quality Data Tables.

2.8 REGIONAL AIR QUALITY IMPROVEMENT

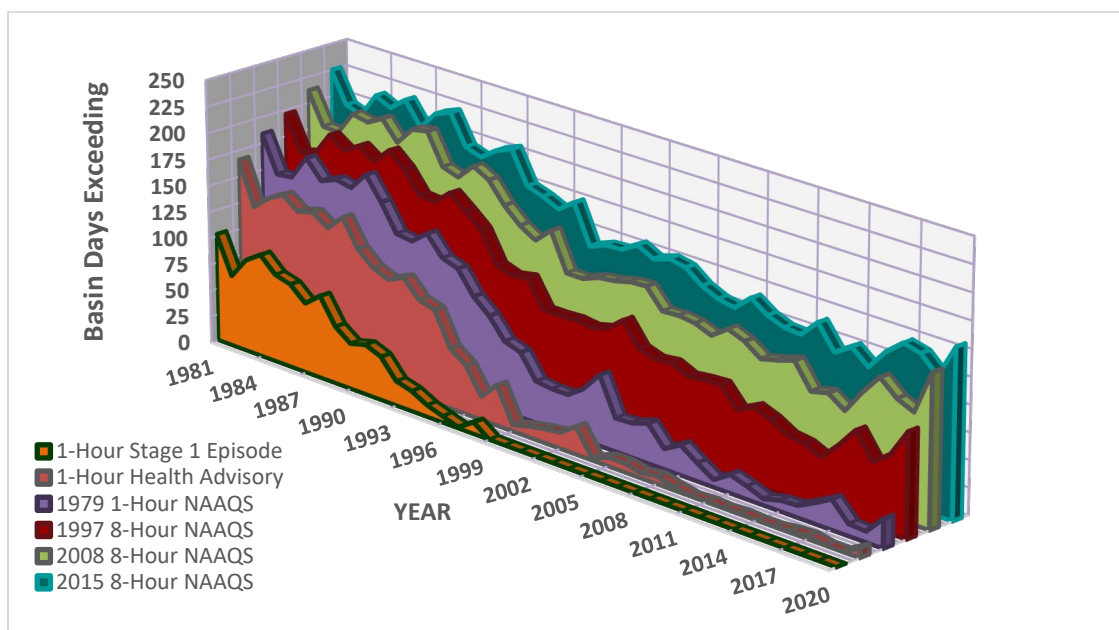
The Project is within the jurisdiction of the SCAQMD. In 1976, California adopted the Lewis Air Quality Management Act which created SCAQMD from a voluntary association of air pollution control districts in Los Angeles, Orange, Riverside, and San Bernardino counties. The geographic area of which SCAQMD consists of is known as the SCAB. SCAQMD develops comprehensive plans and regulatory programs for the region to attain federal standards by dates specified in federal

law. The agency is also responsible for meeting state standards by the earliest date achievable, using reasonably available control measures.

SCAQMD rule development through the 1970s and 1980s resulted in dramatic improvement in SCAB air quality. Nearly all control programs developed through the early 1990s relied on (i) the development and application of cleaner technology; (ii) add-on emission controls, and (iii) uniform CEQA review throughout the SCAB. Industrial emission sources have been significantly reduced by this approach and vehicular emissions have been reduced by technologies implemented at the state level by CARB.

As discussed above, the SCAQMD is the lead agency charged with regulating air quality emission reductions for the entire SCAB. SCAQMD created AQMPs which represent a regional blueprint for achieving healthful air on behalf of the 16 million residents of the SCAB. The 2012 AQMP states, “the remarkable historical improvement in air quality since the 1970’s is the direct result of Southern California’s comprehensive, multiyear strategy of reducing air pollution from all sources as outlined in its AQMPs,” (16).

Emissions of O₃, NO_x, VOC, and CO have been decreasing in the SCAB since 1975 and are projected to continue to decrease through 2020 (17). These decreases result primarily from motor vehicle controls and reductions in evaporative emissions. Although vehicle miles traveled (VMT) in the SCAB continue to increase, NO_x and VOC levels are decreasing because of the mandated controls on motor vehicles and the replacement of older polluting vehicles with lower-emitting vehicles. NO_x emissions from electric utilities have also decreased due to use of cleaner fuels and renewable energy. O₃ contour maps show that the number of days exceeding the 8-hour NAAQS has generally decreased between 1980 and 2020. For 2020, there was an overall decrease in exceedance days compared with the 1980 period. However, as shown on Table 2-5, O₃ levels have increased in the past three years due to higher temperatures and stagnant weather conditions. Notwithstanding, O₃ levels in the SCAB have decreased substantially over the last 30 years with the current maximum measured concentrations being approximately one-third of concentrations within the late 70’s (18).

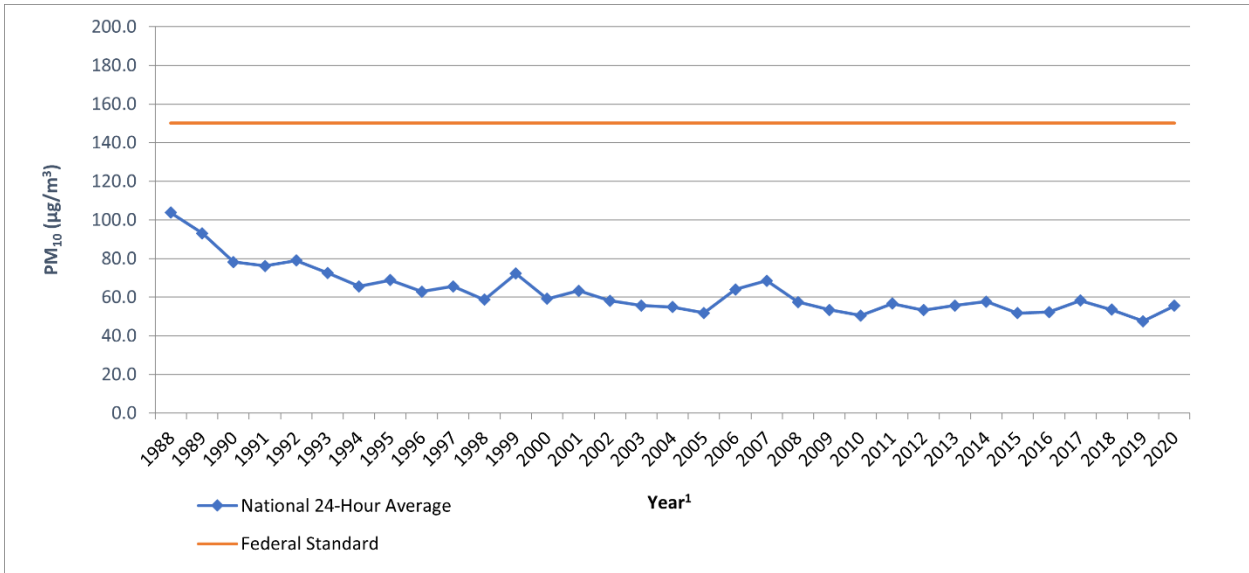
TABLE 2-5: SCAB O₃ TREND

Source: 2020 SCAQMD, Historical O₃ Air Quality Trends (1976-2020)

The overall trends of PM₁₀ and PM_{2.5} levels in the air (not emissions) show an overall improvement since 1975. Direct emissions of PM₁₀ have remained somewhat constant in the SCAB and direct emissions of PM_{2.5} have decreased slightly since 1975. Area wide sources (fugitive dust from roads, dust from construction, and other sources) contribute the greatest amount of direct particulate matter emissions.

As with other pollutants, the most recent PM₁₀ statistics show an overall improvement as illustrated in Tables 2-6 and 2-7. During the period for which data are available, the 24-hour national annual average concentration for PM₁₀ decreased by approximately 46%, from 103.7 microgram per cubic meter ($\mu\text{g}/\text{m}^3$) in 1988 to 55.5 $\mu\text{g}/\text{m}^3$ in 2020 (19). Although the values are below the federal standard, it should be noted that there are days within the year where the concentrations would exceed the threshold. The 24-hour state annual average for emissions for PM₁₀, have decreased by approximately 64%, from 93.9 $\mu\text{g}/\text{m}^3$ in 1989 to 33.9 $\mu\text{g}/\text{m}^3$ in 2020 (19). Although data in the late 1990's show some variability, this is probably due to the advances in meteorological science rather than a change in emissions. Similar to the ambient concentrations, the calculated number of days above the 24-hour PM₁₀ standards has also shown an overall drop.

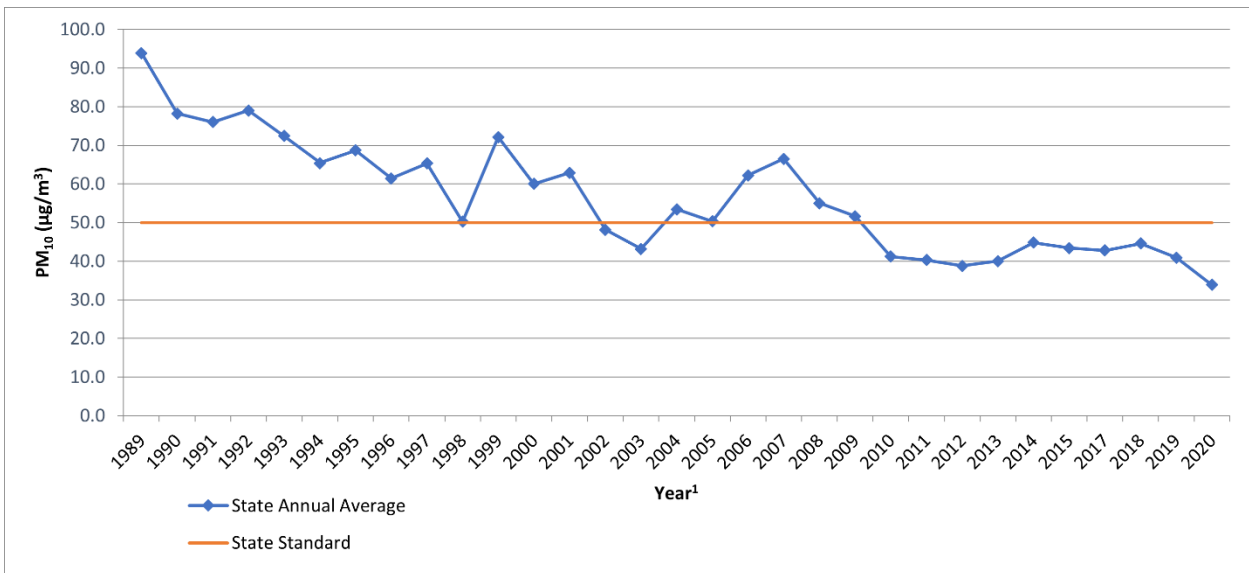
TABLE 2-6: SCAB AVERAGE 24-HOUR CONCENTRATION PM₁₀ TREND (BASED ON FEDERAL STANDARD)¹



Source: 2020 CARB, iADAM: Top Four Summary: PM₁₀ 24-Hour Averages (1988-2020)

¹ Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of “0” have also been omitted.

TABLE 2-7: SCAB ANNUAL AVERAGE CONCENTRATION PM₁₀ TREND (BASED ON STATE STANDARD)¹

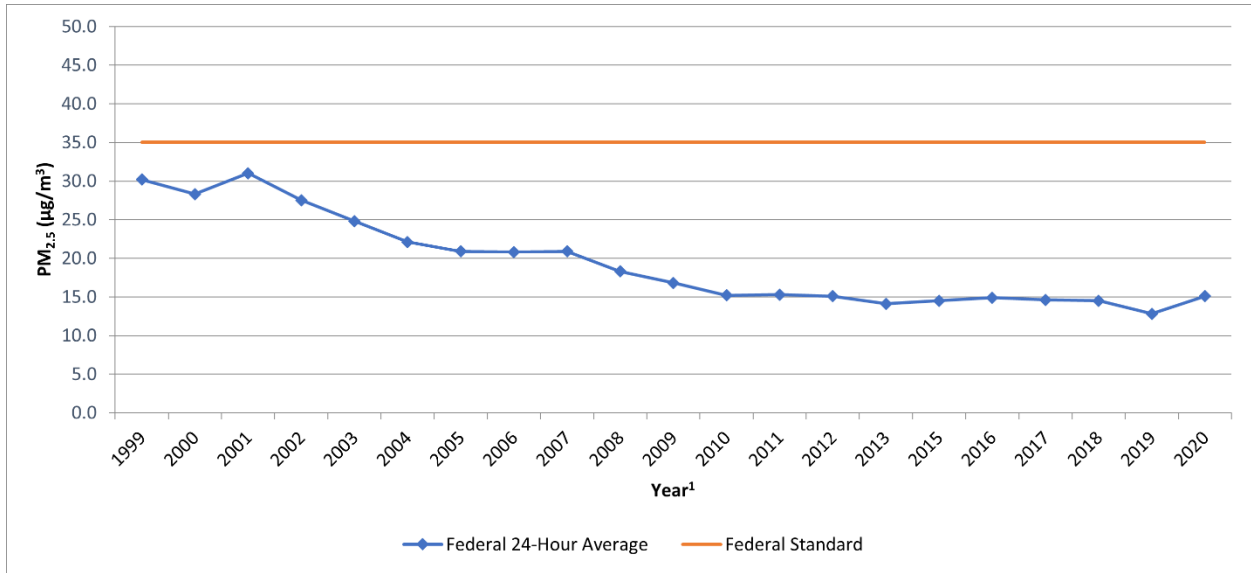


Source: 2020 CARB, iADAM: Top Four Summary: PM₁₀ 24-Hour Averages (1988-2020)

¹ Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of “0” have also been omitted.

Tables 2-8 and 2-9 show the most recent 24-hour average PM_{2.5} concentrations in the SCAB from 1999 through 2020. Overall, the national and state annual average concentrations have decreased by almost 50% and 31% respectively (19). It should be noted that the SCAB is currently designated as nonattainment for the state and federal PM_{2.5} standards.

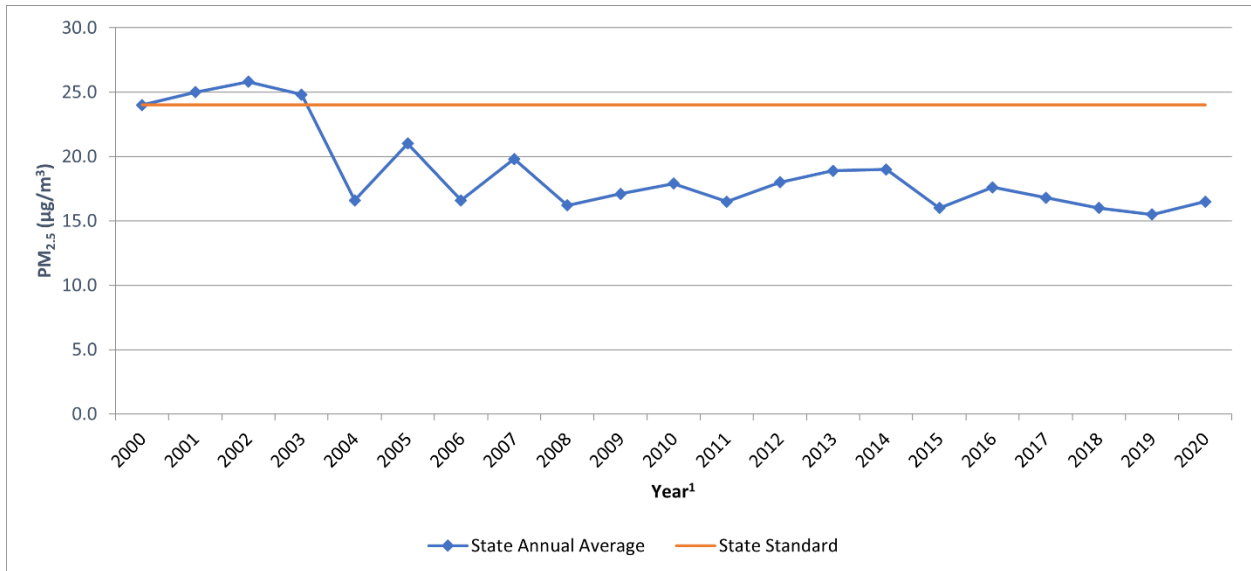
TABLE 2-8: SCAB 24-HOUR AVERAGE CONCENTRATION PM_{2.5} TREND (BASED ON FEDERAL STANDARD)¹



Source: 2020 CARB, iADAM: Top Four Summary: PM_{2.5} 24-Hour Averages (1999-2020)

¹ Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

TABLE 2-9: SCAB ANNUAL AVERAGE CONCENTRATION PM_{2.5} TREND (BASED ON STATE STANDARD)¹



Source: 2020 CARB, iADAM: Top Four Summary: PM_{2.5} 24-Hour Averages (1999-2020)

¹ Some years have been omitted from the table as insufficient data (or no) data has been reported. Years with reported value of "0" have also been omitted.

While the 2012 AQMP PM₁₀ attainment demonstration and the 2015 associated supplemental SIP submission indicated that attainment of the 24-hour standard was predicted to occur by the end of 2015, it could not anticipate the effect of the ongoing drought on the measured PM_{2.5}.

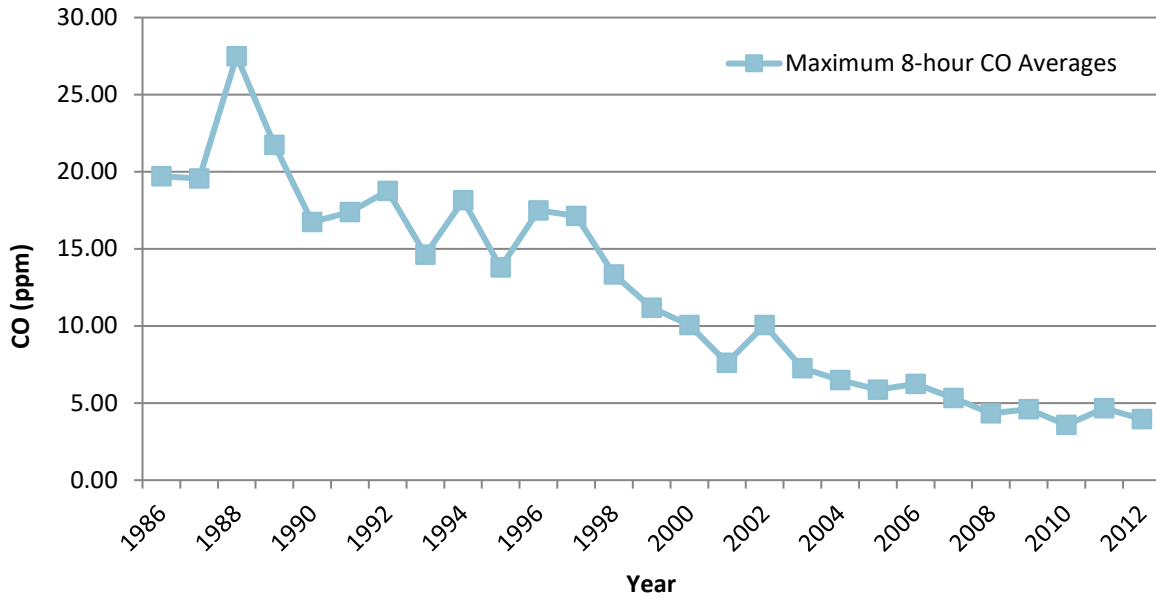
The 2006 to 2010 base period used for the 2012 attainment demonstration had near-normal rainfall. While the trend of PM_{2.5}-equivalent emission reductions continued through 2015, the severe drought conditions contributed to the PM_{2.5} increases observed after 2012. As a result of the disrupted progress toward attainment of the federal 24-hour PM_{2.5} standard, SCAQMD submitted a request and the EPA approved, in January 2016, a “bump up” to the nonattainment classification from “moderate” to “serious,” with a new attainment deadline as soon as practicable, but not beyond December 31, 2019. As of March 14, 2019, the EPA approved portions of a SIP revision submitted by California to address CAA requirements for the 2006 24-hour PM_{2.5} NAAQS in the Los Angeles-SCAB Serious PM_{2.5} nonattainment area. The EPA also approved 2017 and 2019 motor vehicle emissions budgets for transportation conformity purposes and inter-pollutant trading ratios for use in transportation conformity analyses (20).

In March 2017, the SCAQMD released the Final 2016 AQMP. The 2016 AQMP continues to evaluate current integrated strategies and control measures to meet the NAAQS, as well as explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (21). Similar to the 2012 AQMP, the 2016 AQMP incorporates scientific and technological information and planning assumptions, including the 2016-2040 Regional Transportation Plan/Sustainable Communities Strategy (2016-2040 RTP/SCS) and updated emission inventory methodologies for various source categories (22).

The 2022 AQMP was adopted by the SCAQMD Hearing Board on December 2, 2022. CARB approved the 2022 AQMP on January 26, 2023 and the EPA approved the 2022 AQMP on August 15, 2023 (effective September 14, 2023). The 2022 AQMP builds upon measures already in place from previous AQMPs (23). It also includes a variety of additional strategies such as regulation, accelerated deployment of available cleaner technologies (e.g., zero emissions technologies, when cost-effective and feasible, and low NO_x technologies in other applications), best management practices, co-benefits from existing programs (e.g., climate and energy efficiency), incentives, and addresses the EPA’s strengthened ozone standard.

The most recent CO concentrations in the SCAB are shown in Table 2-10 (19). CO concentrations in the SCAB have decreased markedly — a total decrease of more about 80% in the peak 8-hour concentration from 1986 to 2012. It should be noted 2012 is the most recent year where 8-hour CO averages and related statistics are available in the SCAB. The number of exceedance days has also declined. The entire SCAB is now designated as attainment for both the state and national CO standards. Ongoing reductions from motor vehicle control programs should continue the downward trend in ambient CO concentrations.

TABLE 2-10: SCAB 8-HOUR AVERAGE CONCENTRATION CO TREND¹



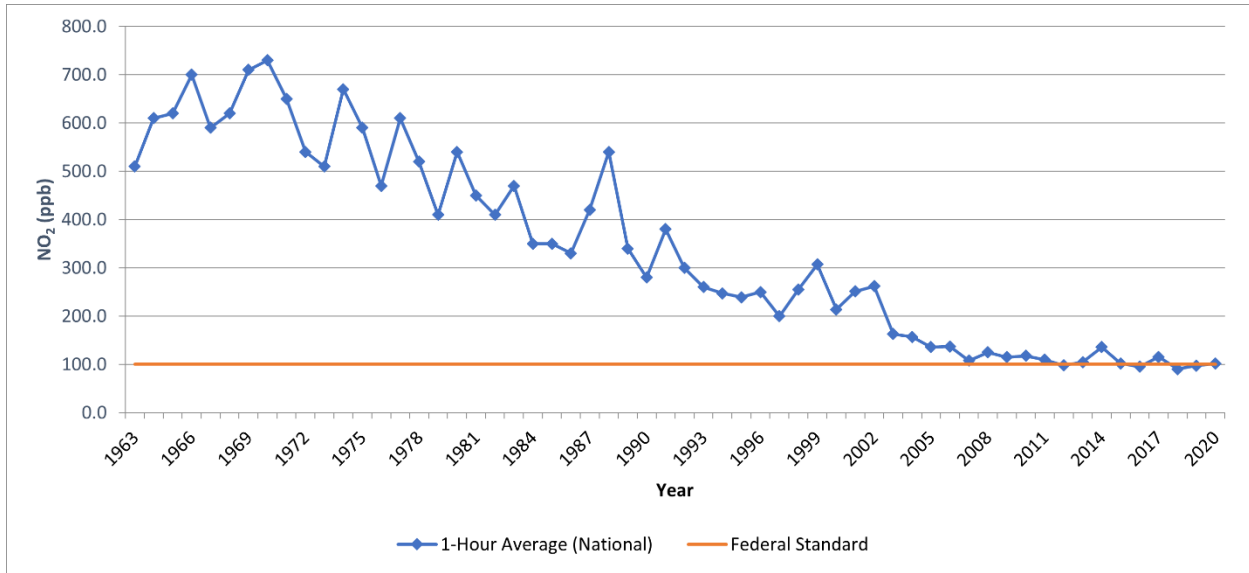
Source: 2020 CARB, iADAM: Top Four Summary: CO 8-Hour Averages (1986-2012)

¹ The most recent year where 8-hour concentration data is available is 2012.

Part of the control process of the SCAQMD’s duty to greatly improve the air quality in the SCAB is the uniform CEQA review procedures required by SCAQMD’s *CEQA Air Quality Handbook (1993) (1993 CEQA Handbook) (24)*. The single threshold of significance used to assess Project direct and cumulative impacts has in fact “worked” as evidenced by the track record of the air quality in the SCAB dramatically improving over the course of the past decades. As stated by the SCAQMD, the District’s thresholds of significance are based on factual and scientific data and are therefore appropriate thresholds of significance to use for this Project.

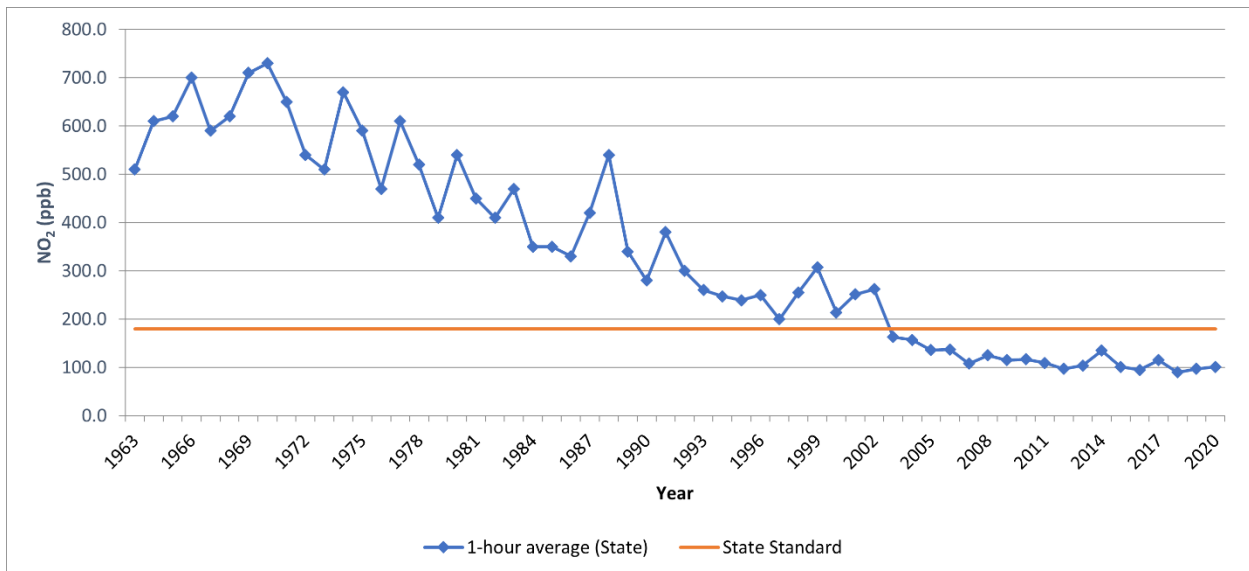
The most recent NO₂ data for the SCAB is shown in Tables 2-11 and 2-12 (19). Over the last 50 years, NO₂ values have decreased significantly; the peak 1-hour national and state averages for 2020 is approximately 80% lower than what it was during 1963. The SCAB attained the State 1-hour NO₂ standard in 1994, bringing the entire state into attainment. A new state annual average standard of 0.030 ppm was adopted by CARB in February 2007 (25). The new standard is just barely exceeded in the SCAQMD. NO₂ is formed from NO_x emissions, which also contribute to O₃. As a result, the majority of the future emission control measures would be implemented as part of the overall O₃ control strategy. Many of these control measures would target mobile sources, which account for more than three-quarters of California’s NO_x emissions. These measures are expected to bring the SCAQMD into attainment of the state annual average standard.

TABLE 2-11: SCAB 1-HOUR AVERAGE CONCENTRATION NO₂ TREND (BASED ON FEDERAL STANDARD)



Source: 2020 CARB, iADAM: Top Four Summary: CO 1-Hour Averages (1963-2020)

TABLE 2-12: SCAB 1-HOUR AVERAGE CONCENTRATION NO₂ TREND (BASED ON STATE STANDARD)



Source: 2020 CARB, iADAM: Top Four Summary: CO 1-Hour Averages (1963-2020)

2.9.1 TOXIC AIR CONTAMINANTS (TAC) TRENDS

In 1984, as a result of public concern for exposure to airborne carcinogens, CARB adopted regulations to reduce the amount of TAC emissions resulting from mobile and area sources, such as cars, trucks, stationary sources, and consumer products. According to the *Ambient and Emission Trends of Toxic Air Contaminants in California* journal article (26) which was prepared for CARB, results show that between 1990-2012, ambient concentration and emission trends for

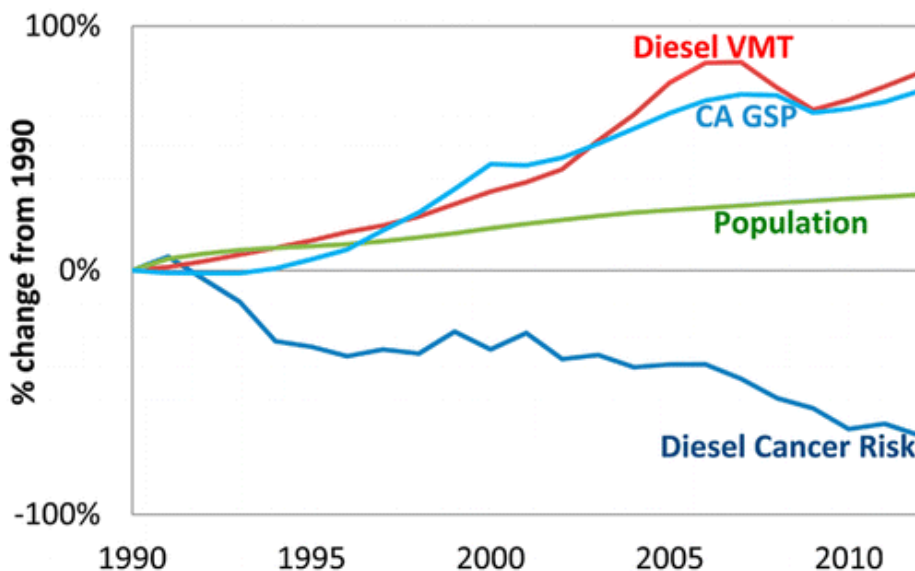
the seven TACs responsible for most of the known cancer risk associated with airborne exposure in California have declined significantly (between 1990 and 2012). The seven TACs studied include those that are derived from mobile sources: diesel particulate matter (DPM), benzene (C₆H₆), and 1,3-butadiene (C₄H₆); those that are derived from stationary sources: perchloroethylene (C₂Cl₄) and hexavalent chromium (Cr(VI)); and those derived from photochemical reactions of emitted VOCs: formaldehyde (CH₂O) and acetaldehyde (C₂H₄O)³. The decline in ambient concentration and emission trends of these TACs are a result of various regulations CARB has implemented to address cancer risk.

MOBILE SOURCE TACS

CARB introduced two programs that aimed at reducing mobile emissions for light and medium duty vehicles through vehicle emissions controls and cleaner fuel. In California, light-duty vehicles sold after 1996 are equipped with California's second-generation On-Board Diagnostic (OBD-II) system. The OBD-II system monitors virtually every component that can affect the emission performance of the vehicle to ensure that the vehicle remains as clean as possible over its entire life and assists repair technicians in diagnosing and fixing problems with the computerized engine controls. If a problem is detected, the OBD-II system illuminates a warning lamp on the vehicle instrument panel to alert the driver. This warning lamp typically contains the phrase "Check Engine" or "Service Engine Soon." The system would also store important information about the detected malfunction so that a repair technician can accurately find and fix the problem. CARB has recently developed similar OBD requirements for heavy-duty vehicles over 14,000 pounds (lbs). CARB's phase II Reformulated Gasoline Regulation (RFG-2), adopted in 1996, also led to a reduction of mobile source emissions. Through such regulations, benzene levels declined 88% from 1990-2012. 1,3-Butadiene concentrations also declined 85% from 1990-2012 as a result of the use of reformulated gasoline and motor vehicle regulations (26). As a result, light duty passenger cars are no longer a significant source of mobile source TAC emissions (27).

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

³ It should be noted that ambient DPM concentrations are not measured directly. Rather, a surrogate method using the coefficient of haze (COH) and elemental carbon (EC) is used to estimate DPM concentrations.

EXHIBIT 2-A: DPM AND DIESEL VEHICLE MILES TREND**California Population, Gross State Product (GSP),
Diesel Cancer Risk, Diesel Vehicle-Miles-Traveled (VMT)**

Source: 2020 CARB

DIESEL REGULATIONS

CARB and the Ports of Los Angeles and Long Beach (POLA and POLB) have adopted several iterations of regulations for diesel trucks that are aimed at reducing DPM. More specifically, CARB Drayage Truck Regulation (28), CARB statewide On-road Truck and Bus Regulation (29), and the Ports of Los Angeles and Long Beach Clean Truck Program (CTP) require accelerated implementation of “clean trucks” into the statewide truck fleet (30). In other words, older more polluting trucks would be replaced with newer, cleaner trucks as a function of these regulatory requirements.

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

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

CANCER RISK TRENDS

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

In January 2018, as part of the overall effort to reduce air toxics exposure in the SCAB, SCAQMD began conducting the MATES V Program. MATES V field measurements were conducted at ten fixed sites (the same sites selected for MATES III and IV) to assess trends in air toxics levels. MATES V also included measurements of ultrafine particles (UFP) and black carbon (BC) concentrations, which can be compared to the UFP levels measured in MATES IV (31). The final report for the MATES V study was published August 2021. In addition to new measurements and updated modeling results, several key updates were implemented in MATES V. First, MATES V estimates cancer risks by taking into account multiple exposure pathways, which includes inhalation and non-inhalation pathways. This approach is consistent with how cancer risks are estimated in South Coast AQMD's programs such as permitting, Air Toxics Hot Spots (AB2588), and CEQA. Previous MATES studies quantified the cancer risks based on the inhalation pathway only. Second, along with cancer risk estimates, MATES V includes information on the chronic non-cancer risks from inhalation and non-inhalation pathways for the first time. Cancer risks and chronic non-cancer risks from MATES II through IV measurements have been re-examined using current Office of Environmental Health Hazard Assessment (OEHHA) and CalEPA risk assessment methodologies and modern statistical methods to examine the trends over time (32).

MATES-V calculated cancer risks based on monitoring data collected at ten fixed sites within the SCAB. None of the fixed monitoring sites are within the local area of the Project site. However, MATES-V has extrapolated the excess cancer risk levels throughout the SCAB by modeling the specific grids. The Project is located within a quadrant of the geographic grid of the MATES-V model which predicted a cancer risk of 359 in one million for the area. DPM is included in this cancer risk along with all other TAC sources (i.e. power plants, refineries, manufacturing facilities, boilers, and gas stations). As in previous MATES iterations, diesel PM is the largest contributor to overall air toxics cancer risk. However, the average levels of diesel PM in MATES V are 53% lower at the 10 monitoring sites compared to MATES IV. Project-generated TACs (in both the project level and cumulative analysis) are limited to DPM from trucks and emergency generators because there is no evidence that exposure to gasoline causes cancer in humans and no other sources of TAC are proposed as part of the Project (27).

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3 REGULATORY BACKGROUND

3.1 FEDERAL REGULATIONS

The EPA is responsible for setting and enforcing the NAAQS for O₃, CO, NO_x, SO₂, PM₁₀, and Pb (33). The EPA has jurisdiction over emissions sources that are under the authority of the federal government including aircraft, locomotives, and emissions sources outside state waters (Outer Continental Shelf). The EPA also establishes emission standards for vehicles sold in states other than California. Automobiles sold in California must meet the stricter emission requirements of CARB.

The Federal Clean Air Act (CAA) was first enacted in 1955 and has been amended numerous times in subsequent years (1963, 1965, 1967, 1970, 1977, and 1990). The CAA establishes the federal air quality standards, the NAAQS, and specifies future dates for achieving compliance (34). The CAA also mandates that states submit and implement SIPs for local areas not meeting these standards. These plans must include pollution control measures that demonstrate how the standards will be met.

The 1990 amendments to the CAA that identify specific emission reduction goals for areas not meeting the NAAQS require a demonstration of reasonable further progress toward attainment and incorporate additional sanctions for failure to attain or to meet interim milestones. The sections of the CAA most directly applicable to the development of the Project site include Title I (Non-Attainment Provisions) and Title II (Mobile Source Provisions) (35) (36). Title I provisions were established with the goal of attaining the NAAQS for the following criteria pollutants O₃, NO₂, SO₂, PM₁₀, CO, PM_{2.5}, and Pb. The NAAQS were amended in July 1997 to include an additional standard for O₃ and to adopt a NAAQS for PM_{2.5}. Table 2-3 (previously presented) provides the NAAQS within the SCAB.

Mobile source emissions are regulated in accordance with Title II provisions. These provisions require the use of cleaner burning gasoline and other cleaner burning fuels such as methanol and natural gas. Automobile manufacturers are also required to reduce tailpipe emissions of hydrocarbons and NO_x. NO_x is a collective term that includes all forms of NO_x which are emitted as byproducts of the combustion process.

3.2 CALIFORNIA REGULATIONS

CARB

CARB, which became part of CalEPA in 1991, is responsible for ensuring implementation of the California Clean Air Act (AB 2595), responding to the federal CAA, and for regulating emissions from consumer products and motor vehicles. AB 2595 mandates achievement of the maximum degree of emissions reductions possible from vehicular and other mobile sources in order to attain the state ambient air quality standards by the earliest practical date. CARB established the CAAQS for all pollutants for which the federal government has NAAQS and, in addition, establishes standards for SO₄, visibility, hydrogen sulfide (H₂S), and vinyl chloride (C₂H₃Cl). However, at this time, H₂S and C₂H₃Cl are not measured at any monitoring stations in the SCAB

because they are not considered to be a regional air quality problem. Generally, the CAAQS are more stringent than the NAAQS (37) (33).

Local air quality management districts, such as the SCAQMD, regulate air emissions from stationary sources such as commercial and industrial facilities. All air pollution control districts have been formally designated as attainment or non-attainment for each CAAQS.

Serious non-attainment areas are required to prepare Air Quality Management Plans (AQMP) that include specified emission reduction strategies in an effort to meet clean air goals. These plans are required to include:

- Application of Best Available Retrofit Control Technology to existing sources;
- Developing control programs for area sources (e.g., architectural coatings and solvents) and indirect sources (e.g. motor vehicle use generated by residential and commercial development);
- A District permitting system designed to allow no net increase in emissions from any new or modified permitted sources of emissions;
- Implementing reasonably available transportation control measures and assuring a substantial reduction in growth rate of vehicle trips and miles traveled;
- Significant use of low emissions vehicles by fleet operators;
- Sufficient control strategies to achieve a 5% or more annual reduction in emissions or 15% or more in a period of three years for ROG, NO_x, CO and PM₁₀. However, air basins may use alternative emission reduction strategy that achieves a reduction of less than 5% per year under certain circumstances.

TITLE 24 ENERGY EFFICIENCY STANDARDS AND CALIFORNIA GREEN BUILDING STANDARDS

California Code of Regulations (CCR) Title 24 Part 6: The California Energy Code was first adopted in 1978 in response to a legislative mandate to reduce California's energy consumption.

The standards are updated periodically to allow consideration and possible incorporation of new energy efficient technologies and methods. CCR, Title 24, Part 11: CALGreen is a comprehensive and uniform regulatory code for all residential, commercial, and school buildings that went in effect on August 1, 2009, and is administered by the California Building Standards Commission.

CALGreen is updated on a regular basis, with the most recent approved update consisting of the 2022 California Green Building Code Standards effective on January 1, 2023. The CEC anticipates that the 2022 energy code will provide \$1.5 billion in consumer benefits and reduce GHG emissions by 10 million metric tons (38). The Project would be required to comply with the applicable standards in place at the time plan check submittals are made. These require, among other items (39):

NONRESIDENTIAL MANDATORY MEASURES

- Short-term bicycle parking. If the new project or an additional alteration is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5% of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack (5.106.4.1.1).
- Long-term bicycle parking. For new buildings with tenant spaces that have 10 or more tenant-occupants, provide secure bicycle parking for 5% of the tenant-occupant vehicular parking spaces with a minimum of one bicycle parking facility (5.106.4.1.2).
- Designated parking for clean air vehicles. In new projects or additions to alterations that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles as shown in Table 5.106.5.2 (5.106.5.2).
- EV charging stations. New construction shall facilitate the future installation of EV supply equipment. The compliance requires empty raceways for future conduit and documentation that the electrical system has adequate capacity for the future load. The number of spaces to be provided for is contained in Table 5.106.5.3.3 (5.106.5.3). Additionally, Table 5.106.5.4.1 specifies requirements for the installation of raceway conduit and panel power requirements for medium- and heavy-duty EV supply equipment for warehouses, grocery stores, and retail stores.
- Outdoor light pollution reduction. Outdoor lighting systems shall be designed to meet the backlight, upright and glare ratings per Table 5.106.8 (5.106.8).
- Construction waste management. Recycle and/or salvage for reuse a minimum of 65% of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.405.1.2, or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent (5.408.1).
- Excavated soil and land clearing debris. 100% of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reuse or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed (5.408.3).
- Recycling by Occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage, and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive (5.410.1).
- Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:
 - Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush (5.303.3.1)
 - Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush (5.303.3.2.1). The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush (5.303.3.2.2).

- Showerheads. Single showerheads shall have a minimum flow rate of not more than 1.8 gallons per minute and 80 psi (5.303.3.3.1). When a shower is served by more than one showerhead, the combine flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi (5.303.3.3.2).
- Faucets and fountains. Nonresidential lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi (5.303.3.4.1). Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute of 60 psi (5.303.3.4.2). Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute (5.303.3.4.3). Metering faucets shall not deliver more than 0.20 gallons per cycle (5.303.3.4.4). Metering faucets for wash fountains shall have a maximum flow rate not more than 0.20 gallons per cycle (5.303.3.4.5).
- Outdoor potable water uses in landscaped areas. Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent (5.304.1).
- Water meters. Separate submeters or metering devices shall be installed for new buildings or additions in excess of 50,000 sf or for excess consumption where any tenant within a new building or within an addition that is project to consume more than 1,000 gallons per day (GPD) (5.303.1.1 and 5.303.1.2).
- Outdoor water uses in rehabilitated landscape projects equal or greater than 2,500 sf. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 2,500 sf requiring a building or landscape permit (5.304.3).
- Commissioning. For new buildings 10,000 sf and over, building commissioning shall be included in the design and construction processes of the building project to verify that the building systems and components meet the owner's or owner representative's project requirements (5.410.2).

AIR QUALITY MANAGEMENT PLANNING (AQMP)

Currently, the NAAQS and CAAQS are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMPs to meet the state and federal ambient air quality standards (22). AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy. A detailed discussion on the AQMP and Project consistency with the AQMP is provided in Section 5.8.

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4 SIGNIFICANCE THRESHOLDS

The criteria used to determine the significance of potential Project-related air quality impacts are taken from the *Initial Study Checklist in Appendix G of the State CEQA Guidelines (14 CCR §§ 15000, et seq.)* and the March JPA 2022 CEQA Guidelines. Based on these thresholds, a project would result in a significant impact related to air quality if it would (1):

- Conflict with or obstruct implementation of the applicable air quality plan.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard.
- Expose sensitive receptors to substantial pollutant concentrations.
- Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people.

4.1 REGIONAL SIGNIFICANCE THRESHOLDS

The SCAQMD has also developed regional significance thresholds for other regulated pollutants, as summarized at Table 4-1 (40). The SCAQMD’s *CEQA Air Quality Significance Thresholds (April 2019)* indicate that any projects in the SCAB with daily emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact.

TABLE 4-1: MAXIMUM DAILY REGIONAL EMISSIONS THRESHOLDS

Pollutant	Construction Regional Thresholds	Operational Regional Thresholds
NO _x	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM ₁₀	150 lbs/day	150 lbs/day
PM _{2.5}	55 lbs/day	55 lbs/day
SO _x	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Pb ⁴	3 lbs/day	3 lbs/day

lbs/day = Pounds Per Day

Source: Regional Thresholds presented in this table are based on the SCAQMD Air Quality Significance Thresholds, April 2019

4.2 LOCALIZED SIGNIFICANCE THRESHOLDS

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology (LST Methodology)* (41). The SCAQMD has established that impacts to air

⁴ Per the User Guide, CalEEMod quantifies all criteria pollutants except Pb, O₃, and NO_x. Pb is associated with some industrial sources and processes. Specific details to support broad quantification of these emissions are not currently available for CalEEMod. The Project is not expected to generate a quantifiable amount of Pb emissions and therefore further evaluation of Pb emissions is not warranted.

quality are significant if there is a potential to contribute to or cause localized exceedances of the NAAQS and CAAQS. Collectively, these are referred to as Localized Significance Thresholds (LSTs).

The SCAQMD established LSTs in response to the SCAQMD Governing Board's Environmental Justice Initiative I-4⁵. LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses.

LSTs were developed in response to environmental justice and health concerns raised by the public regarding exposure of individuals to criteria pollutants in local communities. To address the issue of localized significance, the SCAQMD adopted LSTs that show whether a project would cause or contribute to localized air quality impacts and thereby cause or contribute to potential localized adverse health effects. The analysis makes use of methodology included in the *LST Methodology* (42).

4.2.1 DISPERSION MODELING

In order to estimate localized pollutant concentrations resulting from Project construction, the SCAQMD-approved AERMOD dispersion model was utilized. The modeling approach utilized is discussed as follows:

SOURCES

It should be noted that in order to model worst-case conditions, the highest daily peak on-site emissions resulting from overlapping construction activity were modeled.

A ground level release height and a 1 meter (~3.28 feet) initial vertical dimension (sigma z) were utilized for fugitive emissions of PM₁₀ and PM_{2.5} consistent with SCAQMD's LST guidance.

In order to account for equipment exhaust emissions from NO_x, CO, PM₁₀, and PM_{2.5}, a release height of 5.0 meters (~16.40 feet) was utilized consistent with SCAQMD's LST guidance.

Exhibit 2-A from the *West Campus Upper Plateau Revised Health Risk Assessment* (43) details the placement of sources on the Project site utilized in modeling construction emissions.

METEOROLOGICAL DATA AND MODEL OPTIONS

In order to account for meteorological conditions at the Project site, meteorological data from the SCAQMD's Riverside Airport (KRAL) monitoring station was utilized, as this is the nearest station to the Project site for which meteorological data is available. Additionally, a receptor height of 2 meters and regulatory default options were utilized consistent with SCAQMD's LST guidance. The analysis conservatively assumed full conversion of NO_x emissions to NO₂.

⁵ The purpose of SCAQMD's Environmental Justice program is to ensure that everyone has the right to equal protection from air pollution and fair access to the decision-making process that works to improve the quality of air within their communities. Further, the SCAQMD defines Environmental Justice as "...equitable environmental policymaking and enforcement to protect the health of all residents, regardless of age, culture, ethnicity, gender, race, socioeconomic status, or geographic location, from the health effects of air pollution."

4.2.2 SENSITIVE RECEPTORS

As previously stated, LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable NAAQS and CAAQS at the nearest residence or sensitive receptor. Receptor locations are off-site locations where individuals may be exposed to emissions from Project activities.

RESIDENTIAL RECEPTORS

Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly, individuals with pre-existing respiratory or cardiovascular illness, and athletes and others who engage in frequent exercise. Structures that house these persons or places where they gather to exercise are defined as “sensitive receptors”. These structures typically include residences, hotels, hospitals, etc. as they are also known to be locations where an individual can remain for 24 hours. Consistent with the LST Methodology, the nearest land use where an individual could remain for 24 hours to the Project site (in this case the nearest residential land use) has been used to determine construction and operational air quality impacts for emissions of PM₁₀ and PM_{2.5}, since PM₁₀ and PM_{2.5} thresholds are based on a 24-hour averaging time.

NON-RESIDENTIAL RECEPTORS

As per the LST Methodology, commercial and industrial facilities are not included in the definition of sensitive receptor because employees and patrons do not typically remain onsite for a full 24 hours but are typically onsite for 8 hours or less. The LST Methodology explicitly states that “LSTs based on shorter averaging periods, such as the NO₂ and CO LSTs, could also be applied to receptors such as industrial or commercial facilities since it is reasonable to assume that a worker at these sites could be present for periods of one to eight hours (41).” For purposes of analysis, if an industrial/commercial use is located at a closer distance to the Project site than the nearest residential use, the nearest industrial/commercial use will be utilized to determine construction and operational LST air impacts for emissions of NO_x and CO an individual could be present at these sites for periods of 1 to 8 hours.

PROJECT-RELATED SENSITIVE RECEPTORS

Sensitive receptors in the Project study area are described below:

- R1: Location R1 represents the existing residence at 20081 Camino Del Sol, approximately 331 feet and 1,033 feet north of Areas 3 and 4 of the Development Area, respectively.
- R2: Location R2 represents the existing residence at 20351 Camino Del Sol, approximately 293 feet and 983 feet north of Areas 3 and 4 of the Development Area, respectively. R2 is placed in the private outdoor living areas (backyard) facing the Project site.
- R3: Location R3 represents the existing residence at 20635 Camino Del Sol, approximately 299 feet and 862 feet north of Areas 3 and 5 of the Development Area, respectively. R3 is placed in the private outdoor living areas (backyard) facing the Project site.
- R4: Location R4 represents the existing residence at 20852 Indigo Point, approximately 1,081 feet south of the construction of the Cactus Avenue extension and 2,561 feet southeast

- of the ~~Project site~~Development Area. R4 is placed in the private outdoor living areas (backyard) facing the Project site.
- R5: Location R5 represents the existing residence at 20698 Iris Canyon Road, approximately 1,620 feet southeast of the ~~Project site~~Development Area. R5 is placed in the private outdoor living areas (backyard) facing the Project site.
- R6: Location R6 represents the existing residence at 8301 Clover Creek Road, approximately 1,293 feet and 779 feet north of Areas 8 and 10 of the Development Area, respectively. R6 is placed in the private outdoor living areas (backyard) facing the Project site.
- R7: Location R7 represents the existing residence at 20304 Dayton Street, approximately 979 feet south of the ~~Project site~~Development Area. R7 is placed in the private outdoor living areas (backyard) facing the Project site.
- R8: Location R8 represents the existing preschool at Grove Community Church at 19900 Grove Community Drive, approximately 80 feet west of the construction of the Barton Street southern extension and 794 feet southwest of the Project siteDevelopment Area. R8 is placed on the Church's building façade facing the Project site.⁶
- R9: Location R9 represents the existing residence at 8044 La Crosse Way, approximately 323 feet west of the ~~Project site~~Development Area. R9 is placed in the private outdoor living areas (backyard) facing the Project site.
- R10: Location R10 represents the existing residence at 941 Saltcoats Drive, approximately 315 feet north of the ~~Project site~~Development Area. R10 is placed in the private outdoor living areas (backyard) facing the Project site.
- R11: Location R11 represents the existing residence at 971 Saltcoats Drive, approximately 32 feet west of the construction of the Barton Street northern extension and 304 feet north of the Area 2 of the Project siteDevelopment Area. R11 is placed in the private outdoor living areas (backyard) facing the Project site.
- R12: Location R12 represents the existing residence at 20620 Iris Canyon Road, approximately 859 feet south of the of the ~~Project site~~Development Area. R12 is placed in the private outdoor living areas (backyard) facing the Project site.

⁶ Receptor R8 is considered a non-residential receptor for the purposes of this analysis as an individual would not be expected to remain at this location for 24 hours.

EXHIBIT 4-A: SENSITIVE RECEPTOR LOCATIONS (CONSTRUCTION)

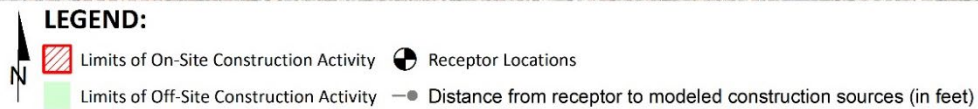
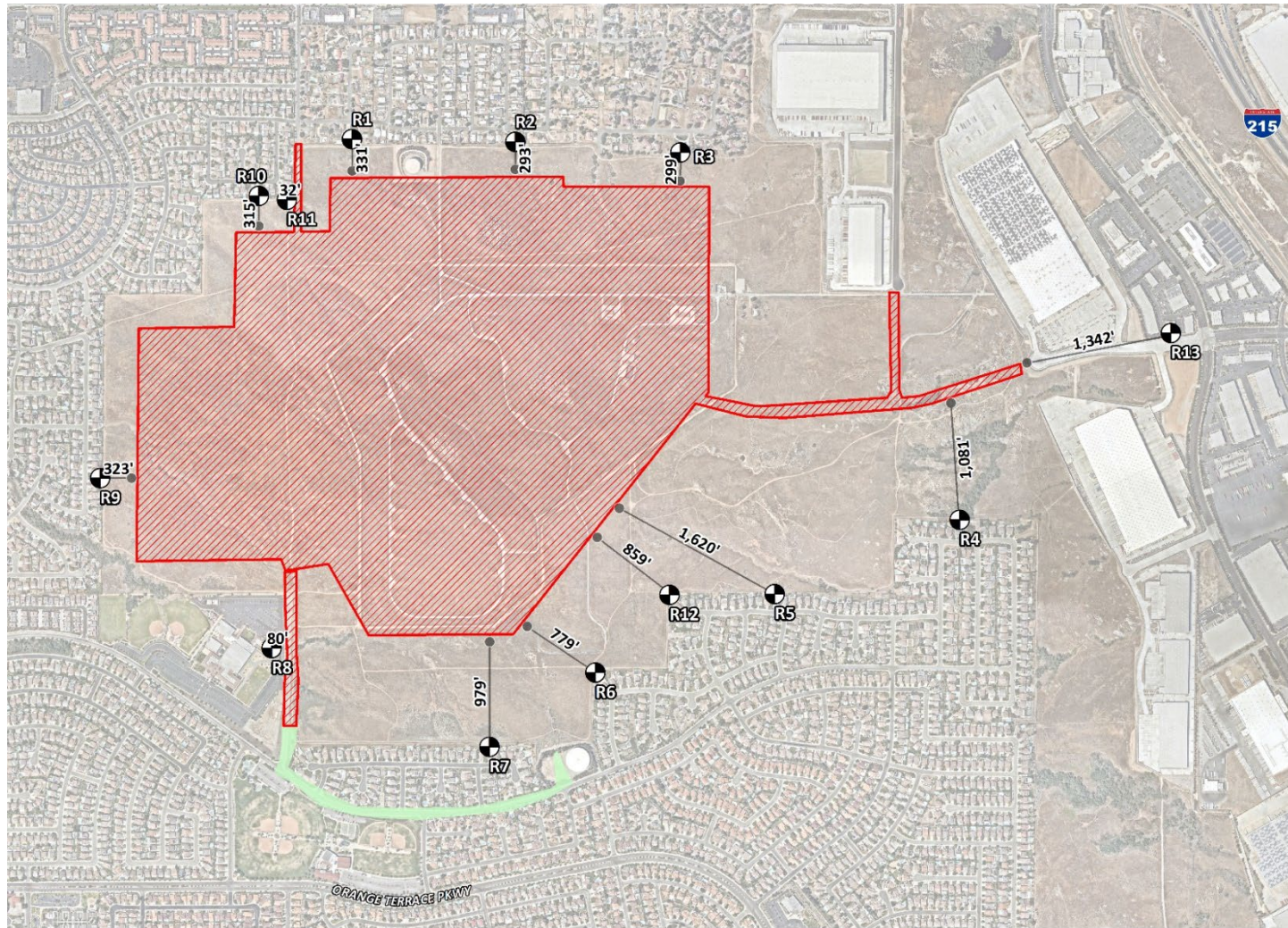
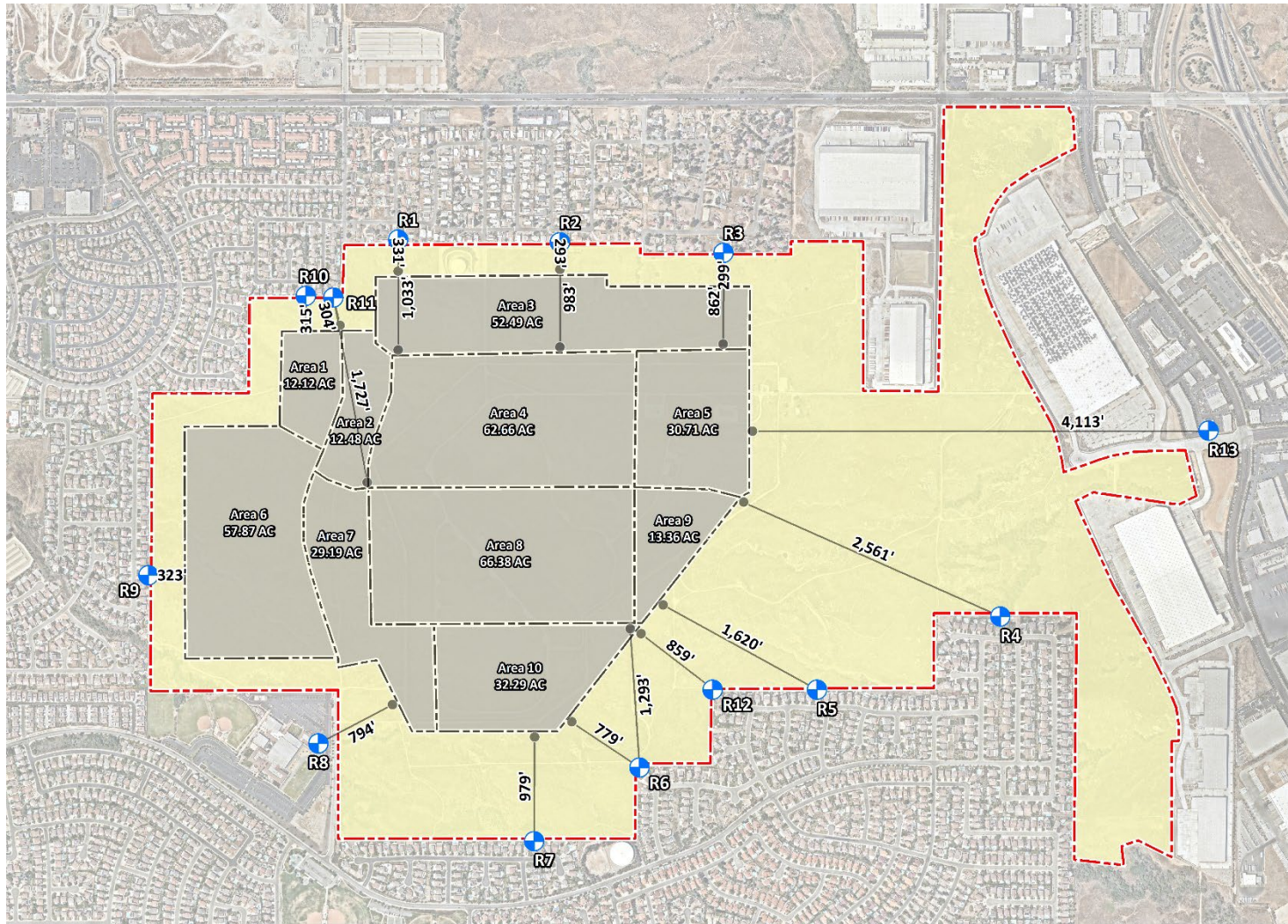


EXHIBIT 4-B: SENSITIVE RECEPTOR LOCATIONS (OPERATION)



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5 AIR QUALITY IMPACTS

5.1 INTRODUCTION

The Project has been evaluated to determine if it will violate an air quality standard, contribute to an existing or projected air quality violation, or determine if it will result in a cumulatively considerable net increase of a criteria pollutant for which the SCAB is non-attainment under an applicable NAAQS and CAAQS. Additionally, the Project has been evaluated to determine consistency with the applicable AQMP, exposure of sensitive receptors to substantial pollutant concentrations, and the impacts of odors.

5.2 METHODOLOGY

5.2.1 CALFEEMOD

Land uses such as the Project affect air quality through construction-source and operational-source emissions.

In May 2022, the SCAQMD, in conjunction with the California Air Pollution Control Officers Association (CAPCOA) and other California air districts, released the CalEEMod Version 2022.1. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (VOCs, NO_x, SO_x, CO, PM₁₀, and PM_{2.5}) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from MMs (44). The 2022 AQIA utilized CalEEMod Version 2022.1.0.11. Since this time there have been 24 updates to the model. For purposes of this Revised AQIA, CalEEMod Version 2022.1.1.20 has been used to determine construction and operational air quality emissions for this Project. Output from the model runs for both construction and operational activity are provided in Appendices 5.1, 5.3, and 5.4.

5.3 REGIONAL CONSTRUCTION EMISSIONS

5.3.1 CONSTRUCTION ACTIVITIES

Construction activities associated with the Project will result in emissions of VOCs, NO_x, SO_x, CO, PM₁₀, and PM_{2.5}. Construction related emissions are expected from the following construction activities:

PHASE 1

- Mass Grading
- Blasting & Rock Handling

PHASE 2

- Remedial Grading
- Building Construction (including off-site)
- Paving

- Architectural Coating

GRADING ACTIVITIES

Dust is typically a major concern during grading activities. Because such emissions are not amenable to collection and discharge through a controlled source, they are called “fugitive emissions”. Fugitive dust emissions rates vary as a function of many parameters (soil silt, soil moisture, wind speed, area disturbed, number of vehicles, depth of disturbance or excavation, etc.). CalEEMod was utilized to calculate fugitive dust emissions resulting from this phase of activity. Based on information provided by the Project Applicant, the Project will balance on-site and will require approximately 7,608,500 cubic yards of dirt movement.

BLASTING ACTIVITIES

Blasting is not anticipated to occur frequently in Project construction, occurring at most once per day and twice per week. Nonetheless, the emissions effects of blasting are analyzed in this Revised AQIA. The estimated emissions of NO_x, CO, and SO_x from explosives used for blasting were determined using emission factors in Section 13.3 (Explosives Detonation) of AP-42 (EPA 1980), and PM₁₀ and PM_{2.5} emissions were determined using Section 11.9 of AP-42 (45). According to AP-42, “Unburned hydrocarbons also result from explosions, but in most instances, methane is the only species that has been reported” (EPA 1980); methane is not a VOC, and a methane emission factor has not been determined for ammonium nitrate/fuel oil (ANFO). Additional details on the emissions calculation associated with blasting are provided in Appendix 5.2. Based on information provided by the Project Applicant, the Project will require movement of approximately 1,501,055 cubic yards of rock, though no import or export of material is expected.

CONSTRUCTION WORKER VEHICLE TRIPS

Construction emissions for construction worker vehicles traveling to and from the Project site, as well as vendor trips (construction materials delivered to the Project site) were estimated based on information from CalEEMod defaults.

5.3.2 CONSTRUCTION DURATION

For purposes of this analysis, construction was assumed to commence in June 2023 and end in October 2027. The construction schedule utilized in the analysis, shown in Table 5-1, represents a “worst-case” analysis scenario since construction would occur after the respective dates and emission factors for construction decrease as time passes and the analysis year increases due to emission regulations becoming more stringent.⁷ The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (1).

⁷ As shown in the CalEEMod User’s Guide Version 2022.1, Section 4.3 “OFFROAD Equipment” as the analysis year increases, emission factors for the same equipment pieces decrease due to the natural turnover of older equipment being replaced by newer less polluting equipment and new regulatory requirements.

TABLE 5-1: CONSTRUCTION SCHEDULE

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

5.3.3 CONSTRUCTION EQUIPMENT

Site specific construction fleet may vary due to specific project needs at the time of construction. A detailed summary of construction equipment assumptions by phase is provided at Table 5-2.

TABLE 5-2: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Phase	Construction Activity	Equipment	Amount	Hours Per Day	Horsepower	Load Factor
Phase 1	Mass Grading	Rubber Tired Dozers	8	8	670	0.40
		Scrapers	16	8	570	0.48
		Rubber Tired Dozers	1	8	425	0.40
		Off-Highway Trucks	3	8	500	0.38
		Tractors/Loaders/Backhoes	1	8	425	0.37
		Excavators	4	8	400	0.38
	Blasting & Rock Handling	Rubber Tired Dozers	2	8	670	0.40
		Tractors/Loaders/Backhoes	2	8	400	0.37
		Off-Highway Trucks	3	8	425	0.38
		Rubber Tired Dozers	1	8	600	0.40
Bore/Drill Rig		3	8	360	0.50	
Phase 2	Remedial Grading	Rubber Tired Dozers	4	8	670	0.40
		Scrapers	8	8	570	0.48
		Rubber Tired Dozers	1	8	425	0.40
		Off-Highway Trucks	3	8	500	0.38
		Tractors/Loaders/Backhoes	1	8	425	0.37
		Excavators	2	8	400	0.38
	Building Construction	Cranes	2	8	231	0.29
		Crawler Tractors	3	8	212	0.43

Phase	Construction Activity	Equipment	Amount	Hours Per Day	Horsepower	Load Factor	
		Forklifts	6	8	89	0.20	
		Generator Sets	2	8	84	0.74	
		Welders	2	8	46	0.45	
		Architectural Coating	Air Compressors	2	8	78	0.48
	Paving		Pavers	4	8	130	0.42
			Paving Equipment	4	8	132	0.36
			Rollers	4	8	80	0.38

5.3.4 ON-ROAD TRIPS

Construction generates on-road vehicle emissions from vehicle usage for workers, hauling, and vendors commuting to and from the site. The number of worker and vendor trips are presented below in Table 5-3.

TABLE 5-3: CONSTRUCTION TRIP ASSUMPTIONS

Phase	Construction Activity	Worker Trips Per Day	Vendor Trips Per Day
Phase 1	Mass Grading	83	114
	Blasting & Rock Handling	28	114
Phase 2	Remedial Grading	48	38
	Building Construction	1,902	352
	Architectural Coating	380	176
	Paving	30	24

5.3.5 CONSTRUCTION EMISSIONS SUMMARY

IMPACTS WITHOUT MITIGATION

CalEEMod calculates maximum daily emissions for summer and winter periods. As such, the estimated maximum daily construction emissions without mitigation for both summer and winter periods are summarized on Table 5-4. Detailed unmitigated construction model outputs are presented in Appendix 5.1. Under the assumed scenarios, unmitigated emissions resulting from the Project construction would exceed criteria pollutant thresholds established by the SCAQMD for VOC and NO_x.

TABLE 5-4: MAXIMUM DAILY CONSTRUCTION EMISSIONS – WITHOUT MITIGATION

Phase	Year	Construction Activity	Source	Total Construction-Source Emissions (lbs/day)						
				VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}	
Summer										
Phase 1	2023	Mass Grading	Construction Equipment	31.51	339.06	214.24	0.69	11.92	10.96	
			Dust from Material Movement	0	0	0	0	19.74	8.36	
			Worker, Vendor, Hauling Trips	0.55	4.61	8.78	0.03	2.10	0.57	
		Phase 1 Mass Grading Emissions Totals			32.06	343.67	223.02	0.72	33.77	19.89
		Blasting & Rock Handling	Construction Equipment	6.33	64.88	41.60	0.20	2.03	1.87	
			Dust from Material Movement	0	0	0	0	34.23	8.74	
			Worker, Vendor, Hauling Trips	0.25	4.32	3.80	0.03	1.39	0.41	
		Phase 1 Blasting & Rock Handling Totals			6.58	69.21	45.40	0.23	37.65	11.01
		2024	Mass Grading	Construction Equipment	n/a	n/a	n/a	n/a	n/a	n/a
	Dust from Material Movement			n/a	n/a	n/a	n/a	n/a	n/a	
	Worker, Vendor, Hauling Trips			n/a	n/a	n/a	n/a	n/a	n/a	
	Phase 1 Mass Grading Emissions Totals			0	0	0	0	0	0	
	Blasting & Rock Handling		Construction Equipment	n/a	n/a	n/a	n/a	n/a	n/a	
			Dust from Material Movement	n/a	n/a	n/a	n/a	n/a	n/a	
			Worker, Vendor, Hauling Trips	n/a	n/a	n/a	n/a	n/a	n/a	
	Phase 1 Blasting & Rock Handling Totals			0	0	0	0	0	0	
	Phase 2		2024	Remedial Grading	Construction Equipment	17.23	174.78	117.38	0.38	6.21
		Dust from Material Movement			0	0	0	0	10.72	4.62
Worker, Vendor, Hauling Trips		0.28			1.57	4.38	0.01	0.96	0.25	
Phase 2 Remedial Grading Emissions Totals				17.51	176.34	121.76	0.39	17.90	10.58	
Building Construction		Construction Equipment		3.98	39.60	31.20	0.07	1.62	1.49	
		Worker, Vendor, Hauling Trips		10.07	21.58	162.64	0.08	28.03	6.82	
Phase 2 Building Construction Emissions Totals			14.05	61.18	193.85	0.14	29.65	8.30		
2025		Building Construction	Construction Equipment	3.64	35.83	30.39	0.07	1.41	1.30	
			Worker, Vendor, Hauling Trips	8.75	20.14	150.56	0.08	28.03	6.82	

Phase	Year	Construction Activity	Source	Total Construction-Source Emissions (lbs/day)						
				VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}	
	2026	Phase 2 Building Construction Emissions Totals		12.39	55.97	180.95	0.14	29.44	8.11	
		Building Construction	Construction Equipment	3.41	33.51	29.94	0.07	1.25	1.15	
			Worker, Vendor, Hauling Trips	8.28	18.78	140.08	0.08	28.03	6.82	
		Phase 2 Building Construction Emissions Totals		11.69	52.29	170.02	0.14	29.28	7.97	
		Architectural Coating	Construction Equipment	0.68	4.81	6.37	0.01	0.13	0.12	
			Architectural Coatings	83.00	0	0	0	0	0	
			Worker, Vendor, Hauling Trips	1.72	7.15	29.07	0.04	6.56	1.66	
		Phase 2 Architectural Coating Emissions Totals		85.40	11.96	35.44	0.05	6.69	1.78	
		2027	Paving	Construction Equipment	1.69	15.19	29.24	0.05	0.72	0.66
				Paving	12.15	0	0	0	0	0
	Worker, Vendor, Hauling Trips			0.14	0.85	2.23	0.01	0.61	0.16	
	Phase 2 Paving Emissions Totals		13.98	16.03	31.47	0.05	1.32	0.82		
	Architectural Coating		Construction Equipment	0.64	4.67	6.33	0.01	0.11	0.10	
			Architectural Coatings	83.00	0	0	0	0	0	
			Worker, Vendor, Hauling Trips	1.64	6.76	26.98	0.04	6.56	1.66	
	Phase 2 Architectural Coating Emissions Totals		85.27	11.43	33.30	0.05	6.66	1.76		
	Winter									
Phase 1	2023	Mass Grading	Construction Equipment	31.51	339.06	214.24	0.69	11.92	10.96	
			Dust from Material Movement	0	0	0	0	19.74	8.36	
			Worker, Vendor, Hauling Trips	0.52	4.89	7.01	0.03	2.10	0.57	
		Phase 1 Mass Grading Emissions Totals		32.03	343.95	221.25	0.72	33.77	19.89	
		Blasting & Rock Handling	Construction Equipment	6.33	64.88	41.60	0.20	2.03	1.87	
			Dust from Material Movement	0	0	0	0	34.23	8.74	
	Worker, Vendor, Hauling Trips		0.24	4.55	3.23	0.03	1.39	0.41		
	Phase 1 Blasting & Rock Handling Totals		6.57	69.43	44.83	0.23	37.65	11.01		
	2024	Mass Grading	Construction Equipment	30.97	321.90	209.64	0.69	11.32	10.41	
			Dust from Material Movement	0	0	0	0	19.74	8.36	
Worker, Vendor, Hauling Trips			0.50	4.67	6.48	0.03	2.10	0.57		

Phase	Year	Construction Activity	Source	Total Construction-Source Emissions (lbs/day)							
				VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}		
		Phase 1 Mass Grading Emissions Totals		31.47	326.57	216.12	0.72	33.16	19.34		
		Blasting & Rock Handling	Construction Equipment	6.39	63.17	40.80	0.18	1.99	1.83		
			Dust from Material Movement	0	0	0	0	5.11	2.63		
			Worker, Vendor, Hauling Trips	0.23	4.36	3.01	0.03	1.39	0.41		
		Phase 1 Blasting & Rock Handling Totals		6.62	67.52	43.81	0.21	8.48	4.86		
		Phase 2	2024	Remedial Grading	Construction Equipment	17.23	174.78	117.38	0.38	6.21	5.71
					Dust from Material Movement	0	0	0	0	10.72	4.62
					Worker, Vendor, Hauling Trips	0.26	1.67	3.42	0.01	0.96	0.25
				Phase 2 Remedial Grading Emissions Totals		17.49	176.44	120.80	0.39	17.90	10.58
				Building Construction	Construction Equipment	3.98	39.60	31.20	0.07	1.62	1.49
Worker, Vendor, Hauling Trips	9.47				23.78	123.99	0.08	28.03	6.82		
Phase 2 Building Construction Emissions Totals			13.45	63.38	155.19	0.14	29.65	8.30			
2025	Building Construction		Construction Equipment	3.64	35.83	30.39	0.07	1.41	1.30		
			Worker, Vendor, Hauling Trips	8.23	21.56	114.77	0.08	28.03	6.82		
	Phase 2 Building Construction Emissions Totals		11.87	57.39	145.16	0.14	29.44	8.11			
2026	Building Construction	Construction Equipment	3.41	33.51	29.94	0.07	1.25	1.15			
		Worker, Vendor, Hauling Trips	7.80	20.13	107.17	0.08	28.03	6.82			
	Phase 2 Building Construction Emissions Totals		11.21	53.63	137.12	0.14	29.28	7.97			
	Architectural Coating	Construction Equipment	0.68	4.81	6.37	0.01	0.13	0.12			
		Architectural Coatings	83.00	0	0	0	0	0			
		Worker, Vendor, Hauling Trips	1.62	7.57	22.52	0.04	6.56	1.66			
Phase 2 Architectural Coating Emissions Totals		85.30	12.38	28.88	0.05	6.69	1.78				
2027	Paving	Construction Equipment	1.69	15.19	29.24	0.05	0.72	0.66			
		Paving	12.15	0	0	0	0	0			
		Worker, Vendor, Hauling Trips	0.13	0.89	1.75	0.01	0.61	0.16			
	Phase 2 Paving Emissions Totals		13.97	16.08	30.99	0.05	1.32	0.82			
	Architectural Coating	Construction Equipment	0.64	4.67	6.33	0.01	0.11	0.10			
		Architectural Coatings	83.00	0	0	0	0	0			

Phase	Year	Construction Activity	Source	Total Construction-Source Emissions (lbs/day)					
				VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
			Worker, Vendor, Hauling Trips	1.54	7.18	20.86	0.04	6.56	1.66
		Phase 2 Architectural Coating Emissions Totals		85.18	11.85	27.18	0.05	6.66	1.76
Maximum Daily Emissions									
		Construction Maximum Daily Emissions (2023)		38.64	413.38	268.42	0.95	71.41	30.91
		Construction Maximum Daily Emissions (2024)		38.09	394.09	259.93	0.92	41.65	24.20
		Construction Maximum Daily Emissions (2025)		12.39	57.39	180.95	0.14	29.44	8.11
		Construction Maximum Daily Emissions (2026)		97.09	66.01	205.46	0.19	35.97	9.75
		Construction Maximum Daily Emissions (2027)		99.25	27.93	64.77	0.10	7.99	2.58
		SCAQMD Regional Threshold		75	100	550	150	150	55
		Threshold Exceeded?		YES	YES	NO	NO	NO	NO

IMPACTS WITH MITIGATION

As previously stated, the Project will implement construction MMs AQ-1 through AQ-4, which would reduce construction-source emissions. The following construction MMs are quantifiable in CalEEMod:

- MM AQ-1: Assumed the use of construction equipment that meets or exceeds Tier 4 Final emission standards.
- MM AQ-4: Assumed the use of “Super-Compliant” architectural coatings with no more than 10 g/L of VOC.

MM AQ-2 requires the Project to ensure construction activities occur within the assumptions utilized in this Revised AQIA. While MM AQ-3 would reduce construction-source emissions, the resulting emission reductions are not quantifiable in CalEEMod, and as such reductions were not quantified and are therefore not reflected in the analysis.

As shown in Table 5-5, after implementation of MMs AQ-1 through AQ-4, Project construction-source emissions of VOC and NO_x would not exceed applicable SCAQMD thresholds. It should be noted that the use of Tier 4 construction equipment under the mitigated scenario would reduce NO_x, PM₁₀, and PM_{2.5} emissions but result in a potential increase in CO emissions. This is attributable to some emission control technologies, such as exhaust gas recirculation, that reduce NO_x emissions while increasing CO emissions. However, CO emissions under the mitigated scenario would remain below the applicable SCAQMD significance threshold. Detailed mitigated construction model outputs are presented in Appendix 5.1.

TABLE 5-5: MAXIMUM DAILY CONSTRUCTION EMISSIONS – WITH MITIGATION

Phase	Year	Construction Activity	Source	Total Construction-Source Emissions (lbs/day)						
				VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}	
Summer										
Phase 1	2023	Mass Grading	Construction Equipment	7.08	36.81	368.08	0.69	1.42	1.42	
			Dust from Material Movement	0	0	0	0	19.74	8.36	
			Worker, Vendor, Hauling Trips	0.55	4.61	8.78	0.03	2.10	0.57	
		Phase 1 Mass Grading Emissions Totals			7.63	41.42	376.86	0.72	23.26	10.35
		Blasting & Rock Handling	Construction Equipment	1.85	9.83	96.97	0.20	0.37	0.37	
			Dust from Material Movement	0	0	0	0	34.23	8.74	
	Worker, Vendor, Hauling Trips		0.25	4.32	3.80	0.03	1.39	0.41		
	Phase 1 Blasting & Rock Handling Totals			2.10	14.15	100.77	0.23	35.99	9.52	
	2024	Mass Grading	Construction Equipment	n/a	n/a	n/a	n/a	n/a	n/a	
			Dust from Material Movement	n/a	n/a	n/a	n/a	n/a	n/a	
			Worker, Vendor, Hauling Trips	n/a	n/a	n/a	n/a	n/a	n/a	
		Phase 1 Mass Grading Emissions Totals			0	0	0	0	0	0
		Blasting & Rock Handling	Construction Equipment	n/a	n/a	n/a	n/a	n/a	n/a	
			Dust from Material Movement	n/a	n/a	n/a	n/a	n/a	n/a	
Worker, Vendor, Hauling Trips	n/a		n/a	n/a	n/a	n/a	n/a			
Phase 1 Blasting & Rock Handling Totals			0	0	0	0	0	0		
Phase 2	2024	Remedial Grading	Construction Equipment	3.93	20.46	204.61	0.38	0.79	0.79	
			Dust from Material Movement	0	0	0	0	10.72	4.62	
			Worker, Vendor, Hauling Trips	0.28	1.57	4.38	0.01	0.96	0.25	
		Phase 2 Remedial Grading Emissions Totals			4.21	22.03	208.99	0.39	12.47	5.66
	Building Construction	Construction Equipment	0.63	4.94	36.76	0.07	0.12	0.12		
		Worker, Vendor, Hauling Trips	10.07	21.58	162.64	0.08	28.03	6.82		
	Phase 2 Building Construction Emissions Totals			10.70	26.52	199.40	0.14	28.15	6.94	
	2025	Building Construction	Construction Equipment	0.63	4.94	36.76	0.07	0.12	0.12	
Worker, Vendor, Hauling Trips			8.75	20.14	150.56	0.08	28.03	6.82		

Phase	Year	Construction Activity	Source	Total Construction-Source Emissions (lbs/day)					
				VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
		Phase 2 Building Construction Emissions Totals		9.38	25.08	187.32	0.14	28.15	6.94
	2026	Building Construction	Construction Equipment	0.63	4.94	36.76	0.07	0.12	0.12
			Worker, Vendor, Hauling Trips	8.28	18.78	140.08	0.08	28.03	6.82
		Phase 2 Building Construction Emissions Totals		8.91	23.71	176.84	0.14	28.15	6.94
		Architectural Coating	Construction Equipment	0.07	0.34	4.89	0.01	0.01	0.01
			Architectural Coatings	18.91	0	0	0	0	0
			Worker, Vendor, Hauling Trips	1.72	7.15	29.07	0.04	6.56	1.66
		Phase 2 Architectural Coating Emissions Totals		20.70	7.49	33.96	0.05	6.57	1.67
	2027	Paving	Construction Equipment	0.47	2.43	34.59	0.05	0.09	0.09
			Paving	12.15	0	0	0	0	0
			Worker, Vendor, Hauling Trips	0.14	0.85	2.23	0.01	0.61	0.16
		Phase 2 Paving Emissions Totals		12.76	3.28	36.82	0.05	0.70	0.25
		Architectural Coating	Construction Equipment	0.07	0.34	4.89	0.01	0.01	0.01
			Architectural Coatings	18.91	0	0	0	0	0
			Worker, Vendor, Hauling Trips	1.64	6.76	26.98	0.04	6.56	1.66
	Phase 2 Architectural Coating Emissions Totals		20.61	7.10	31.86	0.05	6.57	1.67	
Winter									
Phase 1	2023	Mass Grading	Construction Equipment	7.08	36.81	368.08	0.69	1.42	1.42
			Dust from Material Movement	0	0	0	0	19.74	8.36
			Worker, Vendor, Hauling Trips	0.52	4.89	7.01	0.03	2.10	0.57
		Phase 1 Mass Grading Emissions Totals		7.59	41.70	375.09	0.72	23.26	10.35
		Blasting & Rock Handling	Construction Equipment	1.85	9.83	96.97	0.20	0.37	0.37
			Dust from Material Movement	0	0	0	0	34.23	8.74
	Worker, Vendor, Hauling Trips		0.24	4.55	3.23	0.03	1.39	0.41	
	Phase 1 Blasting & Rock Handling Totals		2.09	14.38	100.20	0.23	35.99	9.52	
	2024	Mass Grading	Construction Equipment	7.08	36.81	368.08	0.69	1.42	1.42
			Dust from Material Movement	0	0	0	0	19.74	8.36
Worker, Vendor, Hauling Trips			0.50	4.67	6.48	0.03	2.10	0.57	

Phase	Year	Construction Activity	Source	Total Construction-Source Emissions (lbs/day)					
				VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
		Phase 1 Mass Grading Emissions Totals		7.57	41.48	374.56	0.72	23.26	10.35
		Blasting & Rock Handling	Construction Equipment	1.85	9.61	96.14	0.18	0.37	0.37
			Dust from Material Movement	0	0	0	0	5.11	2.63
			Worker, Vendor, Hauling Trips	0.23	4.36	3.01	0.03	1.39	0.41
Phase 1 Blasting & Rock Handling Totals		2.08	13.97	99.15	0.21	6.87	3.40		
Phase 2	2024	Remedial Grading	Construction Equipment	3.93	20.46	204.61	0.38	0.79	0.79
			Dust from Material Movement	0	0	0	0	10.72	4.62
			Worker, Vendor, Hauling Trips	0.26	1.67	3.42	0.01	0.96	0.25
		Phase 2 Remedial Grading Emissions Totals		4.20	22.13	208.04	0.39	12.47	5.66
		Building Construction	Construction Equipment	0.63	4.94	36.76	0.07	0.12	0.12
			Worker, Vendor, Hauling Trips	9.47	23.78	123.99	0.08	28.03	6.82
	Phase 2 Building Construction Emissions Totals		10.10	28.72	160.75	0.14	28.15	6.94	
	2025	Building Construction	Construction Equipment	0.63	4.94	36.76	0.07	0.12	0.12
			Worker, Vendor, Hauling Trips	8.23	21.56	114.77	0.08	28.03	6.82
		Phase 2 Building Construction Emissions Totals		8.86	26.50	151.53	0.14	28.15	6.94
	2026	Building Construction	Construction Equipment	0.63	4.94	36.76	0.07	0.12	0.12
			Worker, Vendor, Hauling Trips	7.80	20.13	107.17	0.08	28.03	6.82
		Phase 2 Building Construction Emissions Totals		8.43	25.06	143.93	0.14	28.15	6.94
		Architectural Coating	Construction Equipment	0.07	0.34	4.89	0.01	0.01	0.01
			Architectural Coatings	18.91	0	0	0	0	0
	Worker, Vendor, Hauling Trips		1.62	7.57	22.52	0.04	6.56	1.66	
Phase 2 Architectural Coating Emissions Totals		20.60	7.91	27.40	0.05	6.57	1.67		
2027	Paving	Construction Equipment	0.47	2.43	34.59	0.05	0.09	0.09	
		Paving	12.15	0	0	0	0	0	
		Worker, Vendor, Hauling Trips	0.13	0.89	1.75	0.01	0.61	0.16	
	Phase 2 Paving Emissions Totals		12.75	3.32	36.34	0.05	0.70	0.25	
	Architectural Coating	Construction Equipment	0.07	0.34	4.89	0.01	0.01	0.01	
		Architectural Coatings	18.91	0	0	0	0	0	

Phase	Year	Construction Activity	Source	Total Construction-Source Emissions (lbs/day)					
				VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
			Worker, Vendor, Hauling Trips	1.54	7.18	20.86	0.04	6.56	1.66
		Phase 2 Architectural Coating Emissions Totals		20.52	7.52	25.74	0.05	6.57	1.67
Maximum Daily Emissions									
		Construction Maximum Daily Emissions (2023)		9.73	56.07	477.63	0.95	59.25	19.86
		Construction Maximum Daily Emissions (2024)		10.70	55.44	473.71	0.92	30.13	13.75
		Construction Maximum Daily Emissions (2025)		9.38	26.50	187.32	0.14	28.15	6.94
		Construction Maximum Daily Emissions (2026)		29.60	32.97	210.80	0.19	34.72	8.61
		Construction Maximum Daily Emissions (2027)		33.36	10.84	68.68	0.10	7.27	1.93
		SCAQMD Regional Threshold		75	100	550	150	150	55
		Threshold Exceeded?		NO	NO	NO	NO	NO	NO

5.4 REGIONAL OPERATIONAL EMISSIONS

Operational activities associated with the Project will result in emissions of VOCs, NO_x, SO_x, CO, PM₁₀, and PM_{2.5}. Operational emissions would be expected from the following primary sources:

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions
- TRU Source Emissions
- On-Site Equipment Source Emissions
- Stationary Source Emissions

5.4.1 AREA SOURCE EMISSIONS

CalEEMod estimates area source emissions for the following sources: architectural coating, consumer products, and landscape maintenance equipment. Detailed operational model outputs are presented in Appendix 5.3.

ARCHITECTURAL COATING

Over a period of time, the buildings that are part of this Project will be subject to emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other surface coatings as part of Project maintenance. The emissions associated with architectural coatings were calculated using CalEEMod.

CONSUMER PRODUCTS

Consumer products include, but are not limited to detergents, cleaning compounds, polishes, personal care products, and lawn and garden products. Many of these products contain organic compounds which when released in the atmosphere can react to form O₃ and other photochemically reactive pollutants. The emissions associated with use of consumer products were calculated based on defaults provided within CalEEMod.

LANDSCAPE MAINTENANCE EQUIPMENT

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. On October 9, 2021, Governor Gavin Newsom signed AB 1346. The bill aims to ban the sale of new gasoline-powered equipment under 25 gross horsepower (known as small off-road engines [SOREs]) by 2024. For purposes of analysis, the emissions associated with landscape maintenance equipment were calculated based on assumptions provided in CalEEMod. It should be noted that the version of CalEEMod that was employed for this analysis does not account for AB 1346. As such, emissions associated with landscape maintenance equipment are conservative.

5.4.2 ENERGY SOURCE EMISSIONS

The Project will not use natural gas (PDF AQ-1). Criteria pollutant emissions are emitted through the generation of electricity. However, because electrical generating facilities for the Project area are located either outside the region (state) or offset through the use of pollution credits (RECLAIM) for generation within the SCAB, criteria pollutant emissions from offsite generation of electricity are generally excluded from the evaluation of significance.

This analysis assumes that no natural gas will be used as part of the Project. Electricity would be supplied to the Project by Riverside Public Utilities (RPU). Electricity usage associated with the Project were calculated by CalEEMod using default parameters.

5.4.3 MOBILE SOURCE EMISSIONS

The Project related operational emissions derive primarily from vehicle trips generated by the Project. Trip characteristics available from the *West Campus Upper Plateau Traffic Analysis* were utilized in this analysis (4). The mobile-source emissions were calculated based on trip rates and trip lengths. Detailed operational model outputs are presented in Appendices 5.4 through 5.7.

Per the *West Campus Upper Plateau Traffic Analysis*, the Project is expected to generate a total of approximately of 35,314 trip-ends per day with 1,761 AM peak hour trips and 3,389 PM peak hour trips (in actual vehicles) (4).

5.4.3.1 APPROACH FOR ANALYSIS

TRIP RATES

The trip generation rates used for this analysis are consistent with the rates provided in the *West Campus Upper Plateau Traffic Analysis* which are based upon information collected by the Institute of Transportation Engineers (ITE) as provided in the *Trip Generation Manual*, 11th Edition, 2021 (4).

TRIP LENGTHS

To determine emissions associated with the retail, active park, and public park land uses from all vehicle types (Light-Duty-Auto vehicles [LDA], Light-Duty Trucks [LDT1]⁸, Light-Duty Trucks [LDT2]⁹, Medium-Duty Trucks [MDV], Other Buses [OBUS¹⁰], Urban Buses [UBUS¹¹], Motorcycle [MCY], School Buses [SBUS], and Motor Homes [MH], heavy duty trucks (2-axle/Light-Heavy-Duty Trucks [LHDT1¹² and LHDT2¹³], 3-axle/Medium-Heavy-Duty Trucks [MHDT], and 4+-axle/Heavy-Heavy-Duty Trucks [HHDT]), the CalEEMod default for vehicle type, trip purpose and one-way trip length was employed. In order to determine emissions from passenger car vehicles, CalEEMod defaults for trip length and trip purpose were utilized. Default vehicle trip lengths for primary

⁸ Vehicles under the LDT1 category have a gross vehicle weight rating (GVWR) of less than 6,000 lbs. and equivalent test weight (ETW) of less than or equal to 3,750 lbs.

⁹ Vehicles under the LDT2 category have a GVWR of less than 6,000 lbs. and ETW between 3,751 lbs. and 5,750 lbs.

¹⁰ OBUS vehicle classes refers to all other buses except school buses and urban buses.

¹¹ UBUS vehicle classes consist of natural gas buses, gasoline buses, and diesel buses.

¹² Vehicles under the LHDT1 category have a GVWR of less than 8,501-10,000 lbs.

¹³ Vehicles under the LHDT2 category have a GVWR of less than 10,001-14,000 lbs.

trips were populated using data from the local metropolitan planning organizations/Regional Transportation Planning Agencies (MPO/RTPA). Trip type percentages and trip lengths provided by MPO/RTPAs truncate data at their demonstrative borders.

To determine emissions from passenger car vehicles associated with the high-cube fulfillment center and business park uses, the CalEEMod defaults for trip purpose and trip length were utilized. It should also be noted that for purposes of this analysis, passenger cars related to the high-cube fulfillment center and business park uses include LDA, LDT1, LDT2, MDV, and MCY vehicle types. To account for emissions generated by passenger cars, the following fleet mix was utilized in this analysis:

TABLE 5-6: PASSENGER CAR FLEET MIX

Land Use	% Vehicle Type				
	LDA	LDT1	LDT2	MDV	MCY
Building B: High-Cube Fulfillment Center	53.71%	3.92%	23.01%	16.92%	2.44%
Building C: High-Cube Fulfillment Center					
High-Cube Cold Storage Use					
Remaining Industrial: High-Cube Fulfillment Center					
Business Park					
Business Park (Mixed-Use, 75%)					

Note: The Project-specific passenger car fleet mix used in this analysis is based on a proportional split utilizing the default CalEEMod percentages assigned to LDA, LDT1, LDT2, MDV, and MCY vehicle types.

To determine emissions from trucks for the proposed industrial uses, the analysis incorporated the SCAQMD recommended truck trip length of 14.2 miles for 2-axle and 3-axle (LHDT1, LHDT2, and MHDT) trucks and 40 miles for 4+-axle (HHDT) trucks and weighting the average trip lengths using traffic trip percentages taken from the *West Campus Upper Plateau Traffic Study*. The trip length function for the high-cube fulfillment center and the business park uses has been conservatively calculated to 32.03 miles, with an assumption of 100% primary trips for the proposed industrial land uses. This trip length assumption is conservative because it is higher than the CalEEMod default trip length of 20.04 miles. Heavy trucks are broken down by truck type (or axle type) and are categorized as either Light-Heavy-Duty Trucks (LHDT1¹⁴ & LHDT2¹⁵)/2-axle, Medium-Heavy-Duty Trucks (MHDT)/3-axle, and Heavy-Heavy-Duty Trucks (HHDT)/4+-axle. To account for emissions generated by trucks, the following fleet obtained from the Project traffic study mix was utilized in this analysis:

¹⁴ Vehicles under the LHDT1 category have a GVWR of 8,501 to 10,000 lbs.

¹⁵ Vehicles under the LHDT2 category have a GVWR of 10,001 to 14,000 lbs.

TABLE 5-7: TRUCK FLEET MIX

Land Use	% Vehicle Type			
	LHDT1	LHDT2	MHDT	HHDT
Building B: High-Cube Fulfillment Center	68.66%	13.32%	3.81%	14.21%
Building C: High-Cube Fulfillment Center				
High-Cube Cold Storage Use				
Remaining Industrial: High-Cube Fulfillment Center				
Business Park				
Business Park (Mixed-Use, 75%)				

Note: Project-specific truck fleet mix is based on the number of trips generated by each truck type (LHDT1, LHDT2, MHDT, and HHDT) relative to the total number of truck trips.

FUGITIVE DUST RELATED TO VEHICULAR TRAVEL

Vehicles traveling on paved roads would be a source of fugitive emissions due to the generation of road dust inclusive of brake and tire wear particulates. The emissions estimates for travel on paved roads were calculated using CalEEMod.

5.4.4 TRU SOURCE EMISSIONS

In order to account for the possibility of refrigerated uses, trucks associated with the cold-storage land use are assumed to also have TRUs. Therefore, for modeling purposes, 188 trucks (376 two-way truck trips per day) have the potential to include TRUs. TRUs are accounted for during on-site and off-site travel. Consistent with the methodology presented in Appendix F of CARB's *Proposed Amendments to the Airborne Toxic Control Measure for In-Use Diesel-Fueled TRU and TRU Generator Sets, and Facilities Where TRUs Operate* (46), it was estimated that each TRU would spend approximately 3.3 hours per load at the facility, and that the TRU engine would operate 62.5% of the time. Thus, it was estimated that for each two-way truck trip servicing the refrigerated warehouse portion of the Project, the TRU engine would operate for approximately 2.1 hours while on-site and parked at the loading docks. With implementation of MM AQ-8, which requires electric hook-ups at all TRU loading docks, it was estimated that the TRU engine would operate for 30 minutes while on site, but not at a loading dock, in the with mitigation scenario.

For the without mitigation scenario, it was conservatively estimated that each TRU engine would operate 4 hours per day (on-site and off-site). With the installation of electrical hookups at all TRU loading docks as described in MM AQ-8, it was assumed that TRU engine operation time would be reduced to 2.5 hours per day per TRU for the with mitigation scenario. The TRU calculations are based on CARB's OFFROAD Model version 2021 (OFFROAD2021). OFFROAD2021 does not provide emission rates per hour or mile as with the on-road emission model and only provides emission inventories. Emission results are produced in tons per day while all activity, fuel consumption and horsepower hours were reported at annual levels. The emission inventory is based on specific assumptions including the average horsepower rating of specific types of equipment and the hours of operation annually. These assumptions are not always consistent

with assumptions used in the modeling of project level emissions. Therefore, the emissions inventory was converted into emission rates to accurately calculate emissions from TRU operation associated with project level details. This was accomplished by converting the annual horsepower hours to daily operational characteristics and converting the daily emission levels into hourly emission rates based on the total emission of each criteria pollutant by equipment type and the average daily hours of operation. TRU emission calculations are presented in Appendix 5.5.

5.4.5 ON-SITE CARGO HANDLING EQUIPMENT EMISSIONS

It is common for warehouse buildings to require the operation of exterior cargo handling equipment in the building's truck court areas. For this Project, it was conservatively assumed that a total of 18 diesel-powered tractors/loaders/backhoes¹⁶ rated at 84 horsepower would operate 4 hours per day¹⁷, 365 days per year. On-site cargo handling equipment emissions were modeled in CalEEMod assuming average tier equipment (which utilizes the fleet average engine tier for the Project's opening year) for the without mitigation scenario and Tier 4 Final equipment with mitigation. MM AQ-18 requires the Project building occupants to utilize either electric, hydrogen-fuel cell or compressed natural gas equipment. Tier 4 diesel-powered yard hostlers can only be used if electric equipment is technically infeasible. Modeling Tier 4 equipment for the mitigated scenario conservatively understates the emissions reductions under MM AQ-18 to provide the "worst case scenario."

5.4.6 STATIONARY SOURCES

The proposed Project was conservatively assumed to include installation of a 300-horsepower diesel-powered generator at each industrial building, for a total of 19 emergency generators. Each generator was estimated to operate for up to 1 hour per day, 1 day per week for up to 50 hours per year for maintenance and testing purposes. Emissions associated with the stationary diesel-powered emergency generators were calculated using CalEEMod assuming CalEEMod defaults for the without mitigation scenario and Tier 4 Final generators with mitigation. MM AQ-24 prohibits the use of diesel-powered back-up generators, unless absolutely necessary, and then only Tier 4 Final or better. Modeling Tier 4 diesel generators for the mitigated scenario conservatively understates the emissions reductions under MM AQ-24 to provide the "worst case scenario."

5.4.7 OPERATIONAL EMISSIONS SUMMARY

IMPACTS WITHOUT MITIGATION

Project mobile source emissions impacts are dependent on both overall daily vehicle trip generation and the effect of the Project on peak hour traffic volumes and traffic operations in

¹⁶ Based on SCAQMD's April 2021 Second Draft Report for Rule 2305, it is estimated that warehouses operate an average of 3.6 yard trucks per million square feet of warehouse space.

¹⁷ Based on Table II-3, Port and Rail Cargo Handling Equipment Demographics by Type, from CARB's Technology Assessment: Mobile Cargo Handling Equipment document, a single piece of equipment could operate up to 2 hours per day (Total Average Annual Activity divided by Total Number Pieces of Equipment). As such, the analysis conservatively assumes that the tractor/loader/backhoe would operate up to 4 hours per day.

the vicinity of the Project. The Project related operational air quality impacts derive primarily from vehicle trips generated by the Project.

The estimated operational-source emissions for the proposed Project without mitigation are summarized on Table 5-8. Detailed operational model outputs are presented in Appendices 5.4 through 5.7. As shown, the proposed Project will exceed the applicable SCAQMD thresholds for VOC, NO_x, CO, PM₁₀, and PM_{2.5}.

TABLE 5-8: SUMMARY OF PEAK OPERATIONAL EMISSIONS – WITHOUT MITIGATION

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
Mobile Source	174.00	308.00	2,148.00	6.90	577.00	151.00
Area Source	158.00	1.82	217.00	0.01	0.39	0.29
Energy Source	0	0	0	0	0	0
Operational Equipment	0.85	8.63	17.20	0.02	0.24	0.22
Stationary Source	18.70	52.30	47.70	0.09	2.75	2.75
TRU Source	55.30	58.03	6.68	0.00	1.89	1.74
Total Maximum Daily Emissions	406.85	428.78	2,436.58	7.02	582.27	156.00
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	YES	NO	YES	YES
Winter						
Mobile Source	166.00	328.00	1,762.00	6.52	577.00	151.00
Area Source	122.00	0	0	0	0	0
Energy Source	0	0	0	0	0	0
Operational Equipment	0.85	8.63	17.20	0.02	0.24	0.22
Stationary Source	18.70	52.30	47.70	0.09	2.75	2.75
TRU Source	55.30	58.03	6.68	0.00	1.89	1.74
Total Maximum Daily Emissions	362.85	446.96	1,833.58	6.63	581.88	155.71
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	YES	NO	YES	YES

IMPACTS WITH MITIGATION

As previously stated, the Project will implement operational MMs AQ-5 through AQ-27, which would reduce Project operational-source emissions. The following operational MMs are quantifiable in CalEEMod:

- MM AQ-8: Assumed the use of electrical hookups for all TRU loading docks, reducing TRU engine operation time from 4 hours per TRU to 2.5 hours per TRU.
- MM AQ-14: Assumed the use of all electric or battery-operated landscaping equipment.
- MM AQ-18: Assumed the use of operational on-site cargo handling equipment that meets or exceeds Tier 4 Final emissions standards.

- MM AQ-24: Assumed the use of emergency generators that meet or exceed Tier 4 Final emissions standards.

While the remaining operational mitigation measures would reduce Project operational-source emissions, the resulting emission reductions are not quantifiable in CalEEMod, and as such reductions were not quantified and are therefore not reflected in the analysis.

As shown in Table 5-9, after accounting for MMs AQ-8, AQ-14, AQ-18 and AQ-24, Project operational emissions would exceed SCAQMD thresholds for emissions of VOC, NO_x, CO, PM₁₀, and PM_{2.5}. Detailed mitigated operational model outputs are presented in Appendix 5.3. As noted above, these calculations do not account for the emission reductions that would result from all of the remaining mitigation measures as they are not quantifiable in CalEEMod. Thus, these figures represent a very conservative estimate.

TABLE 5-9: SUMMARY OF PEAK OPERATIONAL EMISSIONS – WITH MITIGATION

Source	Emissions (lbs/day)					
	VOC	NO _x	CO	SO _x	PM ₁₀	PM _{2.5}
Summer						
Mobile Source	174.00	308.00	2,148.00	6.90	577.00	151.00
Area Source	122.00	0	0	0	0	0
Energy Source	0	0	0	0	0	0
Operational Equipment	0.25	1.28	18.30	0.02	0.05	0.05
Stationary Source	18.70	5.50	47.70	0.09	0.28	0.28
TRU Source	34.56	36.27	4.17	0.00	1.18	1.09
Total Maximum Daily Emissions	349.51	351.05	2,218.17	7.01	578.51	152.42
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	YES	NO	YES	YES
Winter						
Mobile Source	166.00	328.00	1,762.00	6.52	577.00	151.00
Area Source	122.00	0	0	0	0	0
Energy Source	0	0	0	0	0	0
Operational Equipment	0.25	1.28	18.30	0.02	0.05	0.05
Stationary Source	18.70	5.50	47.70	0.09	0.28	0.28
TRU Source	34.56	36.27	4.17	0.00	1.18	1.09
Total Maximum Daily Emissions	341.51	371.05	1,832.17	6.63	578.51	152.42
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	YES	YES	YES	NO	YES	YES

5.5 CONSTRUCTION-SOURCE LOCALIZED EMISSIONS

The construction LST analysis includes on-site sources, including emissions from construction equipment as well as fugitive dust emissions. For analytical purposes, emissions associated with peak mass site grading and blasting & rock handling activities are considered for purposes of LSTs

since these phases represent the maximum localized emissions that would occur. Any other construction phases of development that overlap would result in lesser emissions and consequently lesser impacts than what is disclosed herein. Outputs from the model runs for construction LSTs are provided in Appendix 5.1. AERMOD modeling outputs for construction are provided in Appendix 5.6.

SUMMARY OF CONSTRUCTION LTS IMPACTS

As shown in Table 5-10 (without mitigation) and Table 5-11 (with mitigation), localized construction emissions would not exceed the applicable SCAQMD LSTs for emissions of any criteria pollutant. Therefore, the Project will have a less than significant localized impact during construction activity.

TABLE 5-10: LOCALIZED SIGNIFICANCE SUMMARY – PEAK CONSTRUCTION (WITHOUT MITIGATION)

Peak Construction	CO		NO _x	PM ₁₀	PM _{2.5}
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	0.04	0.01	3.38E-02	1.39	0.60
Background Concentration ^A	2.1	1.8	0.066		
Total Concentration	2.14	1.81	0.10	1.39	0.60
SCAQMD Localized Significance Threshold	20	9	0.18	10.4	10.4
Threshold Exceeded?	NO	NO	NO	NO	NO

^A Highest concentration from the last three years of available data.

Note: PM₁₀ and PM_{2.5} concentrations are expressed in µg/m³. All others are expressed in ppm

TABLE 5-11: LOCALIZED SIGNIFICANCE SUMMARY – PEAK CONSTRUCTION (WITH MITIGATION)

Peak Construction	CO ¹⁸		NO _x	PM ₁₀	PM _{2.5}
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	0.06	0.02	3.91E-03	1.17	0.39
Background Concentration ^A	2.1	1.8	0.066		
Total Concentration	2.16	1.82	0.07	1.17	0.39
SCAQMD Localized Significance Threshold	20	9	0.18	10.4	10.4
Threshold Exceeded?	NO	NO	NO	NO	NO

^A Highest concentration from the last three years of available data.

Note: PM₁₀ and PM_{2.5} concentrations are expressed in µg/m³. All others are expressed in ppm

¹⁸ The use of Tier 4 construction equipment under the mitigated scenario would reduce NO_x, PM₁₀, and PM_{2.5} emissions but result in a potential increase in CO emissions. This is attributable to some emission control technologies, such as exhaust gas recirculation, that reduce NO_x emissions while increasing CO emissions. However, CO emissions under the mitigated scenario would remain below the applicable SCAQMD significance threshold.

5.6 OPERATIONAL-SOURCE LOCALIZED EMISSIONS

The LST analysis generally includes on-site sources (area, energy, mobile – are previously discussed in Section 5.4 of this report). However, it should be noted that the CalEEMod outputs do not separate on-site and off-site emissions from mobile sources. It should be noted that the longest on-site distance is approximately 2.0 miles. As such, a separate CalEEMod run for operational LSTs has been prepared which accounts for the 2.0-mile on-site travel distance. Outputs from the model run for operational LSTs are provided in Appendix 5.4. AERMOD modeling outputs for operation are provided in Appendix 5.7.

SUMMARY OF OPERATIONAL LST IMPACTS

As shown on Table 5-12 (without mitigation) and Table 5-13 (with mitigation), operational emissions would not exceed the applicable SCAQMD LSTs for emissions of any criteria pollutant. Therefore, the Project will have a less than significant localized impact during operational activity.

TABLE 5-12: LOCALIZED SIGNIFICANCE SUMMARY – OPERATION (WITHOUT MITIGATION)

Peak Operation	CO		NO _x	PM ₁₀	PM _{2.5}
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	4.56E-02	3.74E-02	7.34E-03	2.40	0.76
Background Concentration ^A	2.1	1.8	0.066		
Total Concentration	2.15	1.84	0.07	2.40	0.76
SCAQMD Localized Significance Threshold	20	9	0.18	2.5	2.5
Threshold Exceeded?	NO	NO	NO	NO	NO

^A Highest concentration from the last three years of available data.

Note: PM₁₀ and PM_{2.5} concentrations are expressed in µg/m³. All others are expressed in ppm

TABLE 5-13: LOCALIZED SIGNIFICANCE SUMMARY – OPERATION (WITH MITIGATION)

Peak Operation	CO		NO _x	PM ₁₀	PM _{2.5}
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	3.19E-02	2.62E-02	4.46E-03	2.26	0.63
Background Concentration ^A	2.1	1.8	0.066		
Total Concentration	2.13	1.83	0.07	2.26	0.63
SCAQMD Localized Significance Threshold	20	9	0.18	2.5	2.5
Threshold Exceeded?	NO	NO	NO	NO	NO

^A Highest concentration from the last three years of available data.

Note: PM₁₀ and PM_{2.5} concentrations are expressed in µg/m³. All others are expressed in ppm

5.7 CO “HOT SPOT” ANALYSIS

As discussed below, the Project would not result in potentially adverse CO concentrations or “hotspots.” Further, detailed modeling of Project-specific CO “hotspots” is not needed to reach this conclusion. An adverse CO concentration, known as a “hot spot”, would occur if an exceedance of the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm were to occur. At the time of the SCAQMD’s *CEQA Air Quality Handbook (1993) (1993 CEQA Handbook)*, the SCAB was designated nonattainment under the CAAQS and NAAQS for CO (47). The determination of a potential CO hotspot is focused on the mobile-source vehicular activity that would occur at intersections in the Project-area. Aircraft-related emissions are not concentrated enough, in a particular location such that they would have a propensity to result in a CO hotspot and therefore aircraft emissions are not a consideration in determining CO hotspots.

It has long been recognized that CO hotspots are caused by vehicular emissions, primarily when idling at congested intersections. In response, vehicle emissions standards have become increasingly stringent in the last twenty years. Currently, the allowable CO emissions standard in California is a maximum of 3.4 grams/mile for passenger cars (there are requirements for certain vehicles that are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of increasingly sophisticated and efficient emissions control technologies, CO concentration in the SCAB is now designated as attainment.

To establish a more accurate record of baseline CO concentrations affecting the SCAB, a CO “hot spot” analysis was conducted in 2003 for four busy intersections in Los Angeles at the peak morning and afternoon time periods. This “hot spot” analysis did not predict any violation of CO standards, as shown on Table 5-14.

TABLE 5-14: CO MODEL RESULTS

Intersection Location	CO Concentrations (ppm)		
	Morning 1-hour	Afternoon 1-hour	8-hour
Wilshire Boulevard/Veteran Avenue	4.6	3.5	3.7
Sunset Boulevard/Highland Avenue	4	4.5	3.5
La Cienega Boulevard/Century Boulevard	3.7	3.1	5.2
Long Beach Boulevard/Imperial Highway	3	3.1	8.4

Source: 2003 AQMP, Appendix V: Modeling and Attainment Demonstrations

Notes: Federal 1-hour standard is 35 ppm and the deferral 8-hour standard is 9.0 ppm.

Based on the SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan), peak carbon monoxide concentrations in the SCAB were a result of unusual meteorological and topographical conditions and not a result of traffic volumes and congestion at a particular intersection. As evidence of this, for example, 8.4 ppm 8-hr CO concentration measured at the Long Beach Blvd. and Imperial Hwy. intersection (highest CO generating intersection within the “hot spot” analysis), only 0.7 ppm was attributable to the traffic volumes

and congestion at this intersection; the remaining 7.7 ppm were due to the ambient air measurements at the time the 2003 AQMP was prepared (48). In contrast, an adverse CO concentration, known as a “hot spot”, would occur if an exceedance of the state one-hour standard of 20 parts per million (ppm) or the eight-hour standard of 9 ppm were to occur.

The ambient 1-hr and 8-hr CO concentration within the Project study area is estimated to be 2.1 ppm and 1.8 ppm, respectively (data from Metropolitan Riverside County 1 station for 2021). Therefore, even if the traffic volumes for the proposed Project were double or even triple of the traffic volumes generated at the Long Beach Blvd. and Imperial Hwy. intersection, coupled with the on-going improvements in ambient air quality, the Project would not be capable of resulting in a CO “hot spot” at any study area intersections.

The 2003 AQMP, as previously shown in Table 5-11, estimated that the 1-hour concentration for the Wilshire Boulevard and Veteran Avenue intersection was 4.6 ppm; this indicates that, should the daily traffic volume increase four times to 400,000 vehicles per day, CO concentrations (4.6 ppm x 4= 18.4 ppm) would still not likely exceed the most stringent 1-hour CO standard (20.0 ppm).¹⁹ The highest trips on a segment of road that the Project would generate is 87,515 vehicles per day on Meridian Parkway and Van Buren Boulevard (4).

Traffic volumes generating the CO concentrations for the “hot spot” analysis is shown on Table 5-15. The busiest intersection evaluated for traffic volumes was at La Cienega Boulevard and Century Boulevard, which has a traffic volume of approximately 8,674 vph (48). As shown on Table 5-16, the highest volume on a segment of road for the proposed Project is 8,669 vph on Alessandro Boulevard/Arlington Avenue and Chicago Avenue. As such, Project-related traffic volumes are less than the traffic volumes identified in the 2003 AQMP. The Project considered herein would not produce the volume of traffic required to generate a CO “hot spot” either in the context of the 2003 Los Angeles hot spot study or based on representative BAAQMD CO threshold considerations. Therefore, the Project’s impacts on CO “hot spots” would be less than significant.

TABLE 5-15: TRAFFIC VOLUMES

Intersection Location	Peak Traffic Volumes (vph)				
	Eastbound (AM/PM)	Westbound (AM/PM)	Southbound (AM/PM)	Northbound (AM/PM)	Total (AM/PM)
Wilshire Boulevard/Veteran Avenue	4,954/2,069	1,830/3,317	721/1,400	560/933	8,062/7,719
Sunset Boulevard/Highland Avenue	1,417/1,764	1,342/1,540	2,304/1,832	1,551/2,238	6,614/5,374
La Cienega Boulevard/Century Boulevard	2,540/2,243	1,890/2,728	1,384/2,029	821/1,674	6,634/8,674
Long Beach Boulevard/Imperial Highway	1,217/2,020	1,760/1,400	479/944	756/1,150	4,212/5,514

¹⁹ Based on the ratio of the CO standard (20.0 ppm) and the modeled value (4.6 ppm).

TABLE 5-16: OPENING YEAR CUMULATIVE (2028) WITH PROJECT TRAFFIC VOLUMES

Intersection Location	Peak Traffic Volumes (vph)				
	Northbound (AM/PM)	Southbound (AM/PM)	Eastbound (AM/PM)	Westbound (AM/PM)	Total (AM/PM)
Alessandro Blvd. & Arlington Ave/ Chicago Ave	3,940/2,637	1,101/2,636	1,375/2,172	1,575/1,711	7,991/9,155
Canyon Crest Dr. & Alessandro Blvd.	209/206	729/1,023	1,704/3,498	4,915/3,356	7,557/8,084
Trautwein Rd. & Alessandro Blvd.	2,345/1,439	0/0	1,587/2,457	3,855/2,795	7,788/6,692
Meridian Pkwy./Sycamore Canyon Blvd. & Alessandro Blvd.	1,531/1,373	463/1,104	1,884/2,906	3,388/2,865	7,266/8,248

5.8 AIR QUALITY MANAGEMENT PLANNING

The Project site is located within the SCAB, which is characterized by relatively poor air quality. The SCAQMD has jurisdiction over an approximately 10,743 square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what used to be referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the SCAG, county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards.

Currently, these state and federal air quality standards are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMPs to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.

In December 2022, the SCAQMD released the *Final 2022 AQMP (2022 AQMP)*. The *2022 AQMP* continues to evaluate current integrated strategies and control measures to meet the CAAQS, as well as explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (23). Similar to the 2016 AQMP, the *2022 AQMP* incorporates scientific and technological information and planning assumptions, including the *2020-2045 RTP/SCS*, a planning document that supports the integration of land use and transportation to help the region meet the federal CAA requirements (49). The Project's consistency with the AQMP will be determined using the *2022 AQMP* as discussed below.

Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the *1993 CEQA Handbook* (50). These indicators are discussed below:

5.8.1 CONSISTENCY CRITERION NO. 1

The proposed Project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

The violations that Consistency Criterion No. 1 refers to are the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if regional or localized significance thresholds were exceeded.

Construction Impacts – Consistency Criterion 1

As evaluated, the Project's regional and localized construction-source emissions would not exceed applicable regional significance threshold and LST thresholds after implementation of MMs AQ-1 through AQ-4. As such, a less than significant impact is expected.

Operational Impacts – Consistency Criterion 1

The Project would not exceed the applicable LSTs for operational activity. However, the Project's operational-source emissions are anticipated to exceed the regional thresholds of significance for VOC, NO_x, CO, PM₁₀, and PM_{2.5} emissions. MMs AQ-5 through AQ-27 are designed to reduce Project operational-source VOCs, NO_x, CO, PM₁₀, and PM_{2.5} emissions. However, even with the quantifiable emissions reductions associated with application of MMs AQ-5 through AQ-27, Project operational-source emissions impacts would be significant and unavoidable. As explained above, reductions were only quantified for MMs AQ-8, AQ-14, AQ-18 and AQ-24. The remaining mitigation measures would further reduce emissions but could not be quantified. Therefore actual operational emissions will be lower than those presented in this analysis. As such, the Project has the potential to result in a significant impact with respect to this criterion and the Project would have the potential to conflict with the AQMP according to this criterion.

On the basis of the preceding discussion, the Project is determined to be inconsistent with the first criterion.

5.8.2 CONSISTENCY CRITERION NO. 2

The Project will not exceed the assumptions in the AQMP based on the years of Project build-out phase.

The 2022 AQMP demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by jurisdictions in the district are provided to the SCAG, which develops regional growth forecasts, which are then used to develop future air quality forecasts for the AQMP. Development consistent with the growth projections in the March JPA General Plan is considered to be consistent with the AQMP.

Construction Impacts – Consistency Criterion 2

Peak day emissions generated by construction activities are largely independent of land use assignments, but rather are a function of development scope and maximum area of disturbance. Irrespective of the site's land use designation, development of the site to its maximum potential

would likely occur, with disturbance of the entire site occurring during construction activities. Construction emissions are not relevant to the AQMP assumptions under this criterion.

Operational Impacts – Consistency Criterion 2

Under the current General Plan land use designations, 85% of the Project site is designated for development; under the Project, only 45% of the Project site is proposed for development, including 78 acres for the proposed Park and additional buffering open space. The March JPA General Plan (pp. 1-32 - 1-33) includes warehousing in the definition of Business Park uses. Moreover, wholesale, storage and distribution is expressly identified as an allowed use within the Business Park Zoning District, as identified in the March JPA Development Code (pp. 2-48). Thus, the Project designates more land for non-development uses, does not introduce new designated uses, and would not increase the growth projections for the March JPA General Plan utilized in the 2022 AQMP. (51)

Therefore, the Project would be consistent with the second criterion.

5.8.3 AQMP CONSISTENCY CONCLUSION

The Project has the potential to result in or cause NAAQS or CAAQS violations. Operational-source emissions would exceed the applicable SCAQMD regional thresholds for VOC, NO_x, CO, PM₁₀, and PM_{2.5}. As such, the Project is considered to have the potential to conflict with the AQMP and a significant and unavoidable impact would occur with respect to this threshold.

5.9 RTP/SCS CONSISTENCY

Growth projections from local general plans adopted by jurisdictions in the district are provided to the SCAG, which develops regional growth forecasts. According to Connect SoCal (SCAG's 2020-2045 RTP/SCS), employment within Riverside County in 2019 is approximately 812,800 jobs with an anticipated increase to approximately 1,102,700 jobs by 2045, a growth of approximately 289,900 jobs (52). As discussed above in Section 5.8.2, the Project designates more land for non-development uses, does not introduce new designated uses, and would not increase the growth projections for the March JPA General Plan and therefore, would not result in long-term operational employment growth that exceeds planned growth projections in the RTP/SCS or the AQMP, or result in employment growth that would substantially add to traffic congestion. As such, the Project is consistent with the 2020-2045 RTP/SCS.

5.10 POTENTIAL IMPACTS TO SENSITIVE RECEPTORS

The potential impact of Project-generated air pollutant emissions on sensitive receptors has also been considered. Sensitive receptors can include uses such as long-term health care facilities, rehabilitation centers, and retirement homes. Residences, schools, playgrounds, childcare centers, and athletic facilities can also be considered as sensitive receptors.

Results of the LST analysis indicate that the Project would not exceed the SCAQMD localized significance thresholds during construction. Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations during Project construction.

Results of the LST analysis indicate that the Project would not exceed the SCAQMD localized significance thresholds during operational activity. Further Project traffic would not create or result in a CO “hotspot.” Additionally, the results of the *West Campus Upper Plateau Revised Health Risk Assessment* (43) indicate any health impacts to nearby sensitive receptors resulting from construction or operation of the proposed Project would be less than significant. Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations as the result of Project operations.

5.11 ODORS

The potential for the Project to generate objectionable odors has also been considered. Potential odor sources associated with the proposed Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals. The proposed Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors associated with the proposed Project construction would be less than significant and no mitigation is required (53).

According to the SCAQMD, land uses generally associated with odor complaints include:

- Agricultural uses (livestock and farming)
- Wastewater treatment plants
- Food processing plants
- Chemical plants
- Composting operations
- Refineries
- Landfills
- Dairies
- Fiberglass molding facilities

The proposed Project does not include any uses identified by the SCAQMD as being associated with emitting objectionable odors. As the proposed Project operational activities do not include these sources of odors, potential odor impacts would be less than significant.

5.12 CUMULATIVE IMPACTS

Air pollution by nature is largely a cumulative impact. The cumulative geographic context for air quality impacts is the South Coast Air Basin. The nonattainment status of regional pollutants is a result of past and present development, and the SCAQMD develops and implements plans for future attainment of ambient air quality standards. Appendix G of the CEQA Guidelines indicates that, where available, the significance criteria established by the applicable air quality

management district or air pollution control district may be relied upon to make the significance determinations. SCAQMD has developed regional significance thresholds for some regulated pollutants. As previously shown in Table 2-3, the CAAQS designate the SCAB as nonattainment for O₃, PM₁₀, and PM_{2.5} while the NAAQS designates the SCAB as nonattainment for O₃ and PM_{2.5}.

SCAQMD's CEQA Air Quality Significance Thresholds (April 2019) indicates that any projects in the South Coast Air Basin with daily emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact. The SCAQMD 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* (54). In this report the SCAQMD clearly 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 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.

Therefore, this analysis assumes that individual projects that do not generate operational or construction emissions that exceed the SCAQMD's recommended daily thresholds for project-specific impacts would also not cause a cumulatively considerable increase in emissions for those pollutants for which the Basin is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact. Conversely, individual project-related construction and operational emissions that exceed SCAQMD thresholds for project-specific impacts would also cause a cumulatively considerable increase in emissions for those pollutants for which the Basin is in nonattainment, and, therefore, would be considered to have a significant, adverse cumulative air quality impact.

CONSTRUCTION IMPACTS

As discussed herein, all construction-source criteria pollutant emissions impacts would be less-than-significant at the Project level, and would therefore per SCAQMD criteria, not be cumulatively significant.

OPERATIONAL-SOURCE EMISSIONS

The Project's disclosed emissions represent static worst-case opening year conditions. It is expected that actual vehicle emissions would be lower than emissions estimates, as future passenger vehicle and truck emissions standards further regulate new vehicle emissions. As a result of implementation of USEPA's Exhaust Emission Standards for Heavy-Duty Highway Compression Ignition Engines and Urban Buses and CARB's Truck and Bus Regulation, truck DPM emission factors have been reduced by 96% and NO_x emission factors have been reduced by 87% between 2000 and 2023. Similarly, DPM emissions from TRUs have been reduced by 68% from 2000 to 2023, and with CARB's amendments to the TRU ATCM, emissions are expected to be reduced further by 81% between 2023 and 2040. The proposed Project has the potential to result in cumulative impacts associated with on-going operations for emissions of VOC, NO_x, CO, PM₁₀, and PM_{2.5}. Therefore, the proposed Project would have the potential to result in a cumulatively considerable significant impact with respect to operational activity.

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7 CERTIFICATIONS

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed West Campus Upper Plateau. The information contained in this air quality impact assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com.

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Master of Science in Environmental Studies
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AEP – Association of Environmental Professionals
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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 – CARB • August 2007
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APPENDIX 2.1:

STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS

APPENDIX C

***MAPS AND TABLES OF AREA DESIGNATIONS FOR
STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS***

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APPENDIX C

MAPS AND TABLES OF AREA DESIGNATIONS FOR STATE AND NATIONAL AMBIENT AIR QUALITY STANDARDS

This attachment fulfills the requirement of Health and Safety Code section 40718 for CARB to publish maps that identify areas where one or more violations of any State ambient air quality standard (State standard) or national ambient air quality standard (national standard) have been measured. The national standards are those promulgated under section 109 of the federal Clean Air Act (42 U.S.C. 7409).

This attachment is divided into three parts. The first part comprises a table showing the levels, averaging times, and measurement methods for each of the State and national standards. This is followed by a section containing maps and tables showing the area designations for each pollutant for which there is a State standard in the California Code of Regulations, title 17, section 70200. The last section contains maps and tables showing the most current area designations for the national standards.

Ambient Air Quality Standards

(Updated 5/4/16)

Pollutant	Averaging Time	California Standards ¹		National Standards ²		
		Concentration ³	Method ⁴	Primary ^{3,5}	Secondary ^{3,6}	Method ⁷
Ozone (O ₃) ⁸	1 Hour	0.09 ppm (180 µg/m ³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m ³)		0.070 ppm (137 µg/m ³)		
Respirable Particulate Matter (PM ₁₀) ⁹	24 Hour	50 µg/m ³	Gravimetric or Beta Attenuation	150 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m ³		—		
Fine Particulate Matter (PM _{2.5}) ⁹	24 Hour	—	—	35 µg/m ³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m ³	Gravimetric or Beta Attenuation	12.0 µg/m ³	15 µg/m ³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m ³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m ³)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m ³)		9 ppm (10 mg/m ³)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m ³)		—	—	
Nitrogen Dioxide (NO ₂) ¹⁰	1 Hour	0.18 ppm (339 µg/m ³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m ³)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m ³)		0.053 ppm (100 µg/m ³)	Same as Primary Standard	
Sulfur Dioxide (SO ₂) ¹¹	1 Hour	0.25 ppm (655 µg/m ³)	Ultraviolet Fluorescence	75 ppb (196 µg/m ³)	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m ³)	
	24 Hour	0.04 ppm (105 µg/m ³)		0.14 ppm (for certain areas) ¹¹	—	
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) ¹¹	—	
Lead ^{12,13}	30 Day Average	1.5 µg/m ³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m ³ (for certain areas) ¹²	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m ³		
Visibility Reducing Particles ¹⁴	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards		
Sulfates	24 Hour	25 µg/m ³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m ³)	Ultraviolet Fluorescence			
Vinyl Chloride ¹²	24 Hour	0.01 ppm (26 µg/m ³)	Gas Chromatography			

See footnotes on next page ...

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1- and 24-hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24-hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above $150 \mu\text{g}/\text{m}^3$ is equal to or less than one. For PM2.5, the 24-hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of 25°C and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of 25°C and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the CARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from $15 \mu\text{g}/\text{m}^3$ to $12.0 \mu\text{g}/\text{m}^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at $35 \mu\text{g}/\text{m}^3$, as was the annual secondary standard of $15 \mu\text{g}/\text{m}^3$. The existing 24-hour PM10 standards (primary and secondary) of $150 \mu\text{g}/\text{m}^3$ also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour SO₂ standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971 SO₂ national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.

Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The CARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard ($1.5 \mu\text{g}/\text{m}^3$ as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the CARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

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Area Designations for the State Ambient Air Quality Standards

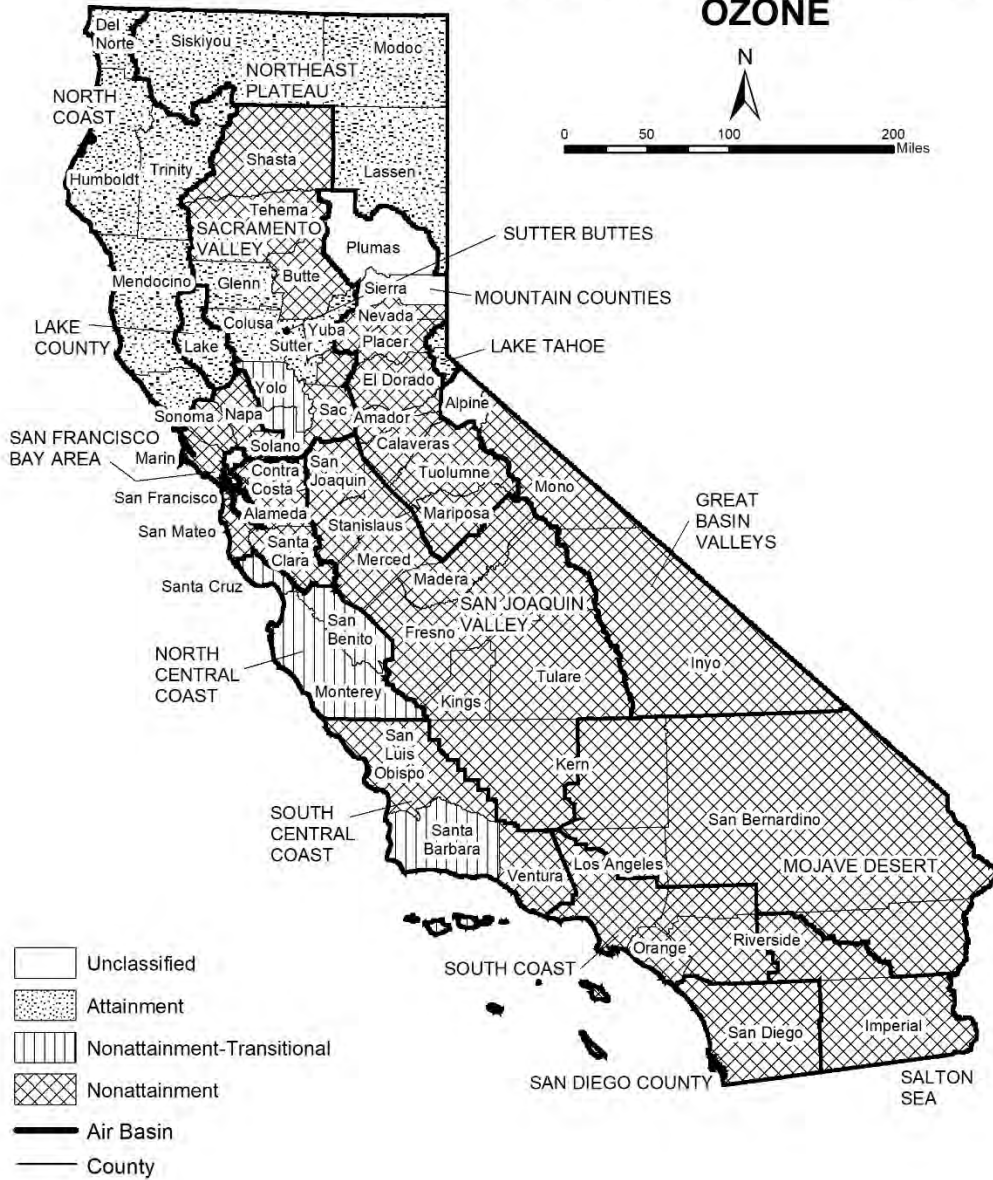
The following maps and tables show the area designations for each pollutant with a State standard set forth in the California Code of Regulations, title 17, section 60200. Each area is identified as attainment, nonattainment, nonattainment-transitional, or unclassified for each pollutant, as shown below:

Attainment	A
Nonattainment	N
Nonattainment-Transitional	NA-T
Unclassified	U

In general, CARB designates areas by air basin for pollutants with a regional impact and by county for pollutants with a more local impact. However, when there are areas within an air basin or county with distinctly different air quality deriving from sources and conditions not affecting the entire air basin or county, CARB may designate a smaller area. Generally, when boundaries of the designated area differ from the air basin or county boundaries, the description of the specific area is referenced at the bottom of the summary table.

FIGURE 1

**2018
Area Designations for State
Ambient Air Quality Standards
OZONE**



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 1

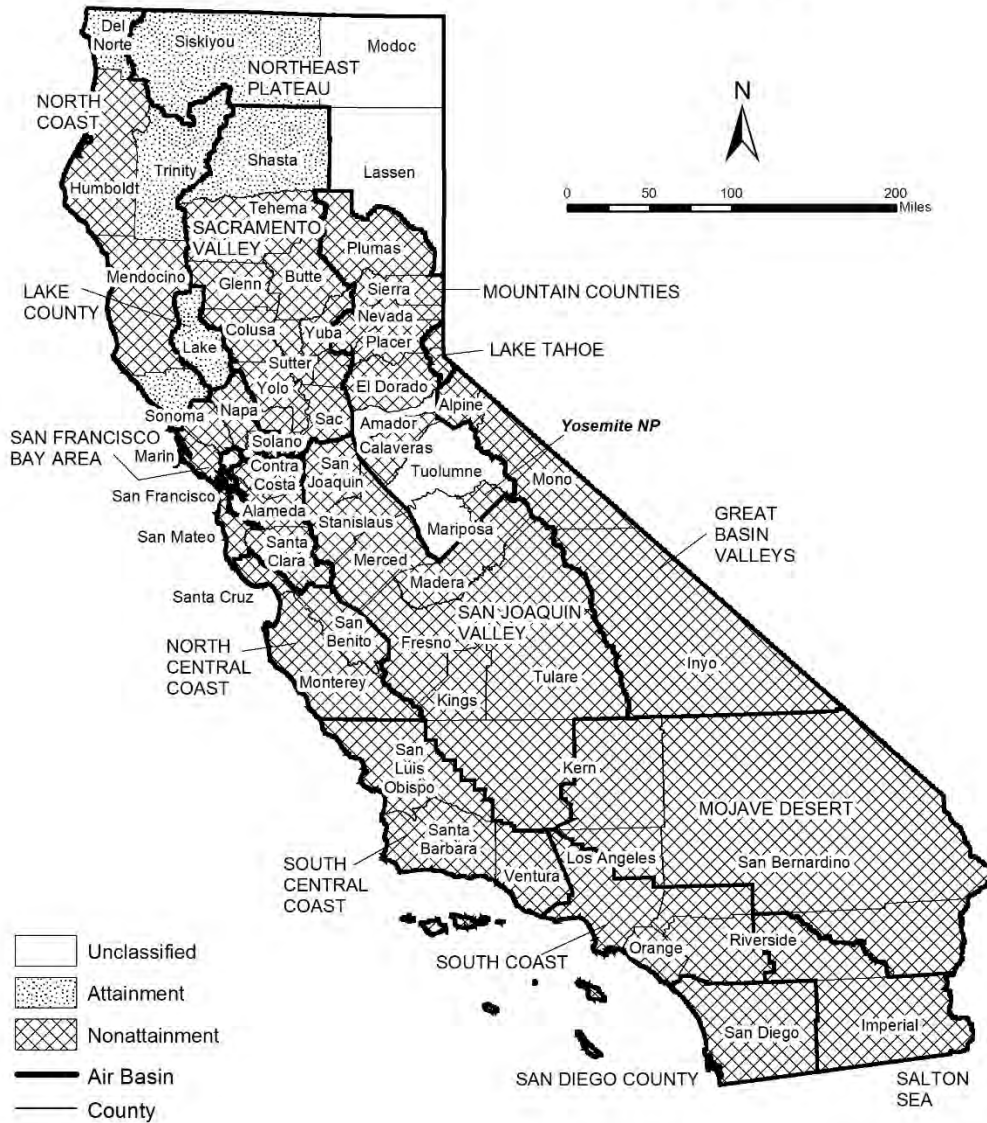
**California Ambient Air Quality Standards
Area Designations for Ozone ⁽¹⁾**

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN					NORTHEAST PLATEAU AIR BASIN				X
Alpine County			X		SACRAMENTO VALLEY AIR BASIN				
Inyo County	X				Colusa and Glenn Counties				X
Mono County	X				Sutter/Yuba Counties				
LAKE COUNTY AIR BASIN				X	Sutter Buttes	X			
LAKE TAHOE AIR BASIN				X	Remainder of Sutter County				X
MOJAVE DESERT AIR BASIN	X				Yuba County				X
MOUNTAIN COUNTIES AIR BASIN					Yolo/Solano Counties		X		
Amador County	X				Remainder of Air Basin	X			
Calaveras County	X				SALTON SEA AIR BASIN	X			
El Dorado County (portion)	X				SAN DIEGO AIR BASIN	X			
Mariposa County	X				SAN FRANCISCO BAY AREA AIR BASIN	X			
Nevada County	X				SAN JOAQUIN VALLEY AIR BASIN	X			
Placer County (portion)	X				SOUTH CENTRAL COAST AIR BASIN				
Plumas County			X		San Luis Obispo County	X			
Sierra County			X		Santa Barbara County		X		
Tuolumne County	X				Ventura County	X			
NORTH CENTRAL COAST AIR BASIN		X			SOUTH COAST AIR BASIN	X			
NORTH COAST AIR BASIN				X					

(1) AB 3048 (Olberg) and AB 2525 (Miller) signed into law in 1996, made changes to Health and Safety Code, section 40925.5. One of the changes allows nonattainment districts to become nonattainment-transitional for ozone by operation of law.

FIGURE 2

**2018
Area Designations for State
Ambient Air Quality Standards
PM10**



Source Date:
October 2018
Air Quality Planning and Science Division

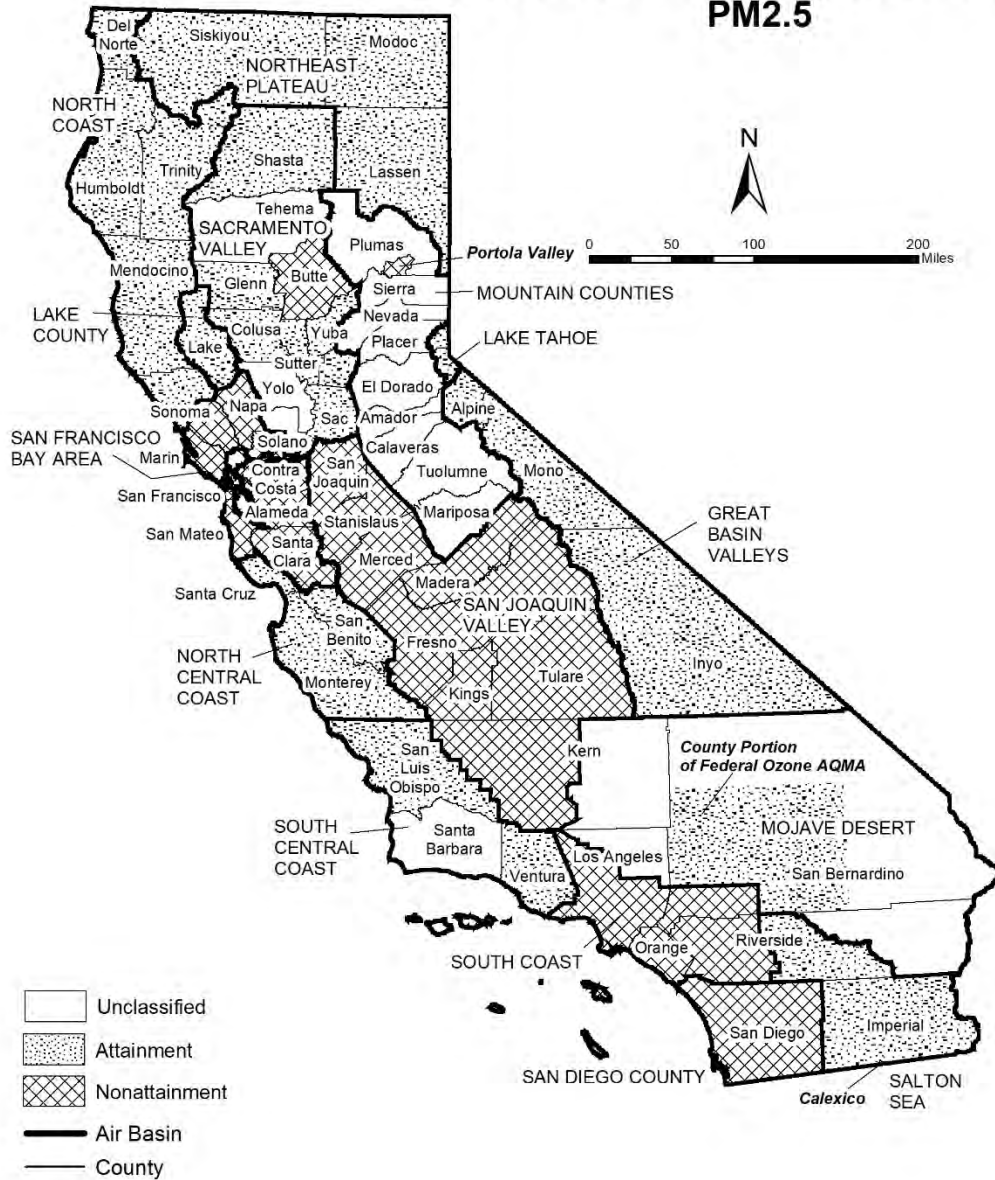
TABLE 2

**California Ambient Air Quality Standards
Area Designation for Suspended Particulate Matter (PM10)**

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN	X			NORTH CENTRAL COAST AIR BASIN	X		
LAKE COUNTY AIR BASIN			X	NORTH COAST AIR BASIN			
LAKE TAHOE AIR BASIN	X			Del Norte, Sonoma (portion) and Trinity Counties			X
MOJAVE DESERT AIR BASIN	X			Remainder of Air Basin	X		
MOUNTAIN COUNTIES AIR BASIN				NORTHEAST PLATEAU AIR BASIN			
Amador County		X		Siskiyou County			X
Calaveras County	X			Remainder of Air Basin		X	
El Dorado County (portion)	X			SACRAMENTO VALLEY AIR BASIN			
Mariposa County				Shasta County			X
- Yosemite National Park	X			Remainder of Air Basin	X		
- Remainder of County		X		SALTON SEA AIR BASIN	X		
Nevada County	X			SAN DIEGO AIR BASIN	X		
Placer County (portion)	X			SAN FRANCISCO BAY AREA AIR BASIN	X		
Plumas County	X			SAN JOAQUIN VALLEY AIR BASIN	X		
Sierra County	X			SOUTH CENTRAL COAST AIR BASIN	X		
Tuolumne County		X		SOUTH COAST AIR BASIN	X		

FIGURE 3

2018
 Area Designations for State
 Ambient Air Quality Standards
 PM_{2.5}



Source Date:
 October 2018
 Air Quality Planning and Science Division

TABLE 3

**California Ambient Air Quality Standards
Area Designations for Fine Particulate Matter (PM2.5)**

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SALTON SEA AIR BASIN			
LAKE COUNTY AIR BASIN			X	Imperial County			
LAKE TAHOE AIR BASIN			X	- City of Calexico (3)	X		
MOJAVE DESERT AIR BASIN				Remainder of Air Basin			X
San Bernardino County				SAN DIEGO AIR BASIN	X		
- County portion of federal Southeast Desert Modified AQMA for Ozone (1)			X	SAN FRANCISCO BAY AREA AIR BASIN	X		
				SAN JOAQUIN VALLEY AIR BASIN	X		
Remainder of Air Basin		X		SOUTH CENTRAL COAST AIR BASIN			
MOUNTAIN COUNTIES AIR BASIN				San Luis Obispo County			X
Plumas County				Santa Barbara County		X	
- Portola Valley (2)	X			Ventura County			X
Remainder of Air Basin		X		SOUTH COAST AIR BASIN	X		
NORTH CENTRAL COAST AIR BASIN			X				
NORTH COAST AIR BASIN			X				
NORTHEAST PLATEAU AIR BASIN			X				
SACRAMENTO VALLEY AIR BASIN							
Butte County	X						
Colusa County			X				
Glenn County			X				
Placer County (portion)			X				
Sacramento County			X				
Shasta County			X				
Sutter and Yuba Counties			X				
Remainder of Air Basin		X					

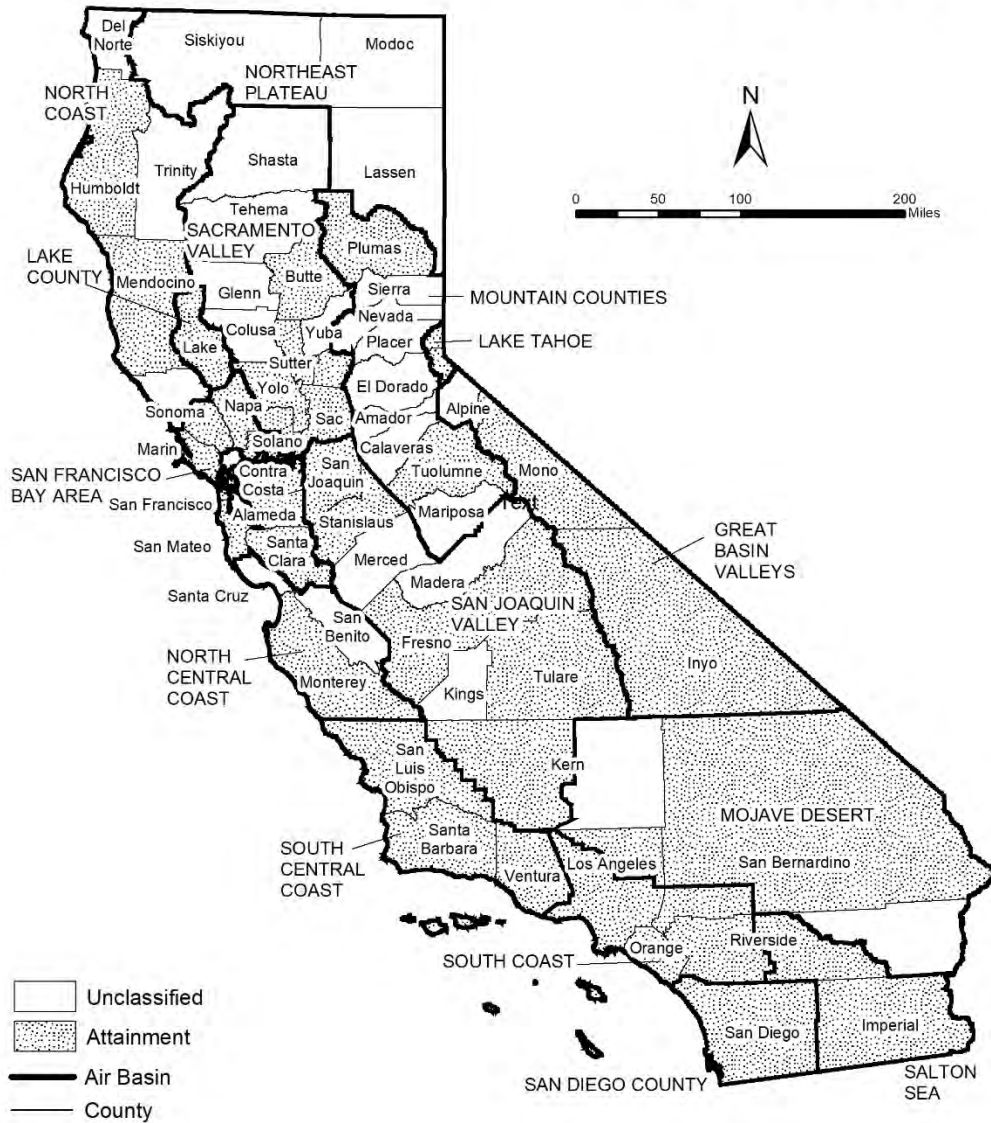
(1) California Code of Regulations, title 17, section 60200(b)

(2) California Code of Regulations, title 17, section 60200(c)

(3) California Code of Regulations, title 17, section 60200(a)

FIGURE 4

2018
Area Designations for State
Ambient Air Quality Standards
CARBON MONOXIDE



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 4

**California Ambient Air Quality Standards
Area Designation for Carbon Monoxide***

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN					SACRAMENTO VALLEY AIR BASIN				
Alpine County			X		Butte County				X
Inyo County				X	Colusa County			X	
Mono County				X	Glenn County			X	
LAKE COUNTY AIR BASIN				X	Placer County (portion)				X
LAKE TAHOE AIR BASIN				X	Sacramento County				X
MOJAVE DESERT AIR BASIN					Shasta County			X	
Kern County (portion)			X		Solano County (portion)				X
Los Angeles County (portion)				X	Sutter County				X
Riverside County (portion)			X		Tehama County			X	
San Bernardino County (portion)				X	Yolo County				X
MOUNTAIN COUNTIES AIR BASIN					Yuba County			X	
Amador County			X		SALTON SEA AIR BASIN				X
Calaveras County			X		SAN DIEGO AIR BASIN				X
El Dorado County (portion)			X		SAN FRANCISCO BAY AREA AIR BASIN				X
Mariposa County			X		SAN JOAQUIN VALLEY AIR BASIN				
Nevada County			X		Fresno County				X
Placer County (portion)			X		Kern County (portion)				X
Plumas County				X	Kings County			X	
Sierra County			X		Madera County			X	
Tuolumne County				X	Merced County			X	
NORTH CENTRAL COAST AIR BASIN					San Joaquin County				X
Monterey County				X	Stanislaus County				X
San Benito County			X		Tulare County				X
Santa Cruz County			X		SOUTH CENTRAL COAST AIR BASIN				X
NORTH COAST AIR BASIN					SOUTH COAST AIR BASIN				X
Del Norte County			X						
Humboldt County				X					
Mendocino County				X					
Sonoma County (portion)			X						
Trinity County			X						
NORTHEAST PLATEAU AIR BASIN			X						

* The area designated for carbon monoxide is a county or portion of a county

FIGURE 5

2018
Area Designations for State
Ambient Air Quality Standards
NITROGEN DIOXIDE



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 5

**California Ambient Air Quality Standards
Area Designation for Nitrogen Dioxide**

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SACRAMENTO VALLEY AIR BASIN			X
LAKE COUNTY AIR BASIN			X	SALTON SEA AIR BASIN			X
LAKE TAHOE AIR BASIN			X	SAN DIEGO AIR BASIN			X
MOJAVE DESERT AIR BASIN			X	SAN FRANCISCO BAY AREA AIR BASIN			X
MOUNTAIN COUNTIES AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	SOUTH CENTRAL COAST AIR BASIN			X
NORTH COAST AIR BASIN			X	SOUTH COAST AIR BASIN			
NORTHEAST PLATEAU AIR BASIN			X	CA 60 Near-road Portion of San Bernardino, Riverside, and Los Angeles Counties	X		
				Remainder of Air Basin			X

FIGURE 6

2018
Area Designations for State
Ambient Air Quality Standards
SULFUR DIOXIDE



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 6

**California Ambient Air Quality Standards
Area Designation for Sulfur Dioxide***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
LAKE COUNTY AIR BASIN		X	SALTON SEA AIR BASIN		X
LAKE TAHOE AIR BASIN		X	SAN DIEGO AIR BASIN		X
MOJAVE DESERT AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X			

* The area designated for sulfur dioxide is a county or portion of a county

FIGURE 7

2018
Area Designations for State
Ambient Air Quality Standards
SULFATES



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 7

**California Ambient Air Quality Standards
Area Designation for Sulfates**

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SACRAMENTO VALLEY AIR BASIN			X
LAKE COUNTY AIR BASIN			X	SALTON SEA AIR BASIN			X
LAKE TAHOE AIR BASIN			X	SAN DIEGO AIR BASIN			X
MOJAVE DESERT AIR BASIN			X	SAN FRANCISCO BAY AREA AIR BASIN			X
MOUNTAIN COUNTIES AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	SOUTH CENTRAL COAST AIR BASIN			X
NORTH COAST AIR BASIN			X	SOUTH COAST AIR BASIN			X
NORTHEAST PLATEAU AIR BASIN			X				

FIGURE 8

2018
Area Designations for State
Ambient Air Quality Standards
LEAD



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 8

**California Ambient Air Quality Standards
Area Designations for Lead (particulate)***

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SALTON SEA AIR BASIN			X
LAKE COUNTY AIR BASIN			X	SAN DIEGO AIR BASIN			X
LAKE TAHOE AIR BASIN			X	SAN FRANCISCO BAY AREA AIR BASIN			X
MOJAVE DESERT AIR BASIN			X	SAN JOAQUIN VALLEY AIR BASIN			X
MOUNTAIN COUNTIES AIR BASIN			X	SOUTH CENTRAL COAST AIR BASIN			X
NORTH CENTRAL COAST AIR BASIN			X	SOUTH COAST AIR BASIN			X
NORTH COAST AIR BASIN			X				
NORTHEAST PLATEAU AIR BASIN			X				
SACRAMENTO VALLEY AIR BASIN			X				

* The area designated for lead is a county or portion of a county. Since all areas in the State are in attainment for this standard, air basins are indicated here for simplicity.

FIGURE 9

2018
Area Designations for State
Ambient Air Quality Standards
HYDROGEN SULFIDE



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 9

**California Ambient Air Quality Standards
Area Designation for Hydrogen Sulfide***

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN					NORTH CENTRAL COAST AIR BASIN			X	
Alpine County			X		NORTH COAST AIR BASIN				
Inyo County				X	Del Norte County			X	
Mono County				X	Humboldt County				X
LAKE COUNTY AIR BASIN				X	Mendocino County			X	
LAKE TAHOE AIR BASIN			X		Sonoma County (portion)				
MOJAVE DESERT AIR BASIN					- Geyser Geothermal Area (2)				X
Kern County (portion)			X		- Remainder of County			X	
Los Angeles County (portion)			X		Trinity County			X	
Riverside County (portion)			X		NORTHEAST PLATEAU AIR BASIN			X	
San Bernardino County (portion)					SACRAMENTO VALLEY AIR BASIN			X	
- Searles Valley Planning Area (1)	X				SALTON SEA AIR BASIN			X	
- Remainder of County			X		SAN DIEGO AIR BASIN			X	
MOUNTAIN COUNTIES AIR BASIN					SAN FRANCISCO BAY AREA AIR BASIN			X	
Amador County					SAN JOAQUIN VALLEY AIR BASIN			X	
- City of Sutter Creek	X				SOUTH CENTRAL COAST AIR BASIN				
- Remainder of County			X		San Luis Obispo County				X
Calaveras County			X		Santa Barbara County				X
El Dorado County (portion)			X		Ventura County			X	
Mariposa County			X		SOUTH COAST AIR BASIN			X	
Nevada County			X						
Placer County (portion)			X						
Plumas County			X						
Sierra County			X						
Tuolumne County			X						

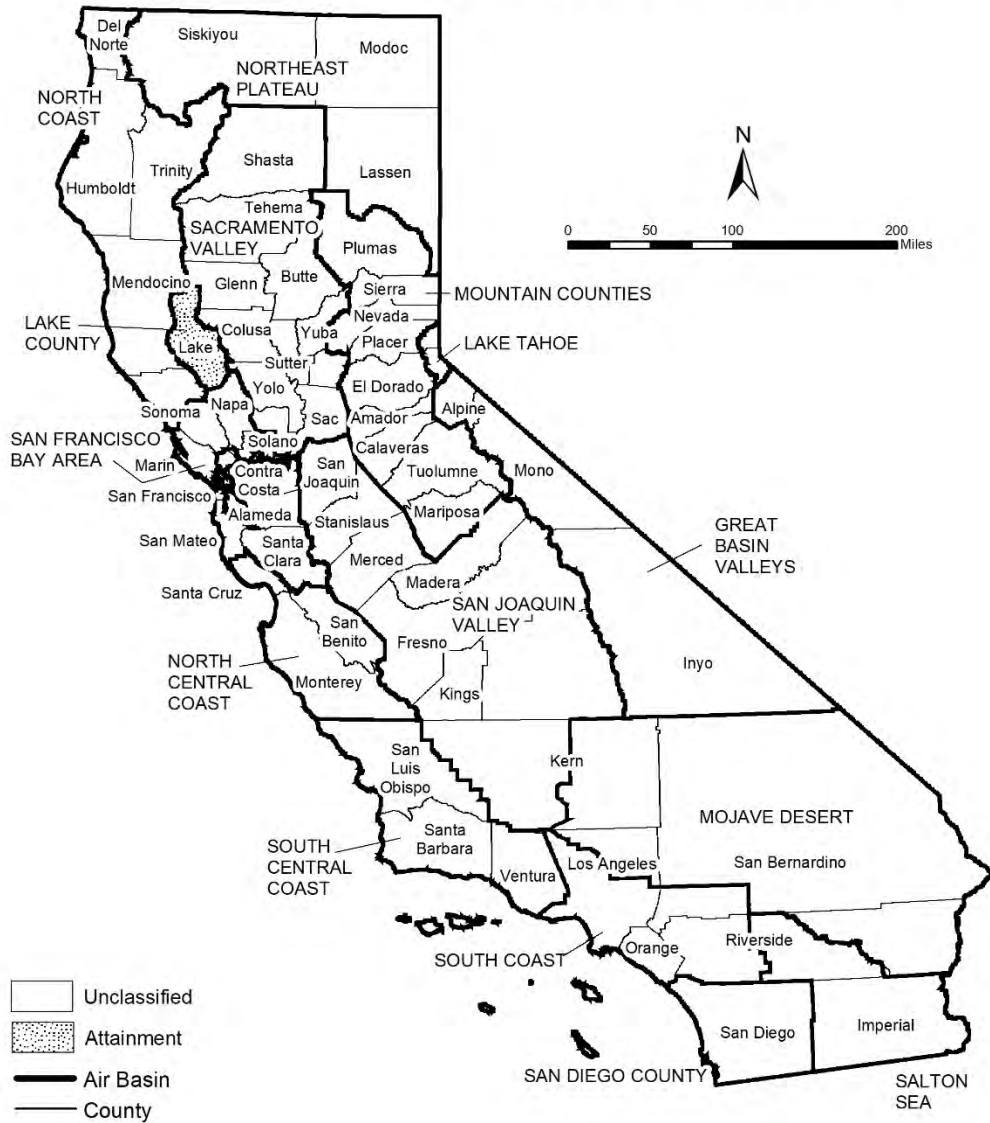
* The area designated for hydrogen sulfide is a county or portion of a county

(1) 52 Federal Register 29384 (August 7, 1987)

(2) California Code of Regulations, title 17, section 60200(d)

FIGURE 10

2018
Area Designations for State
Ambient Air Quality Standards
VISIBILITY REDUCING PARTICLES



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 10

**California Ambient Air Quality Standards
Area Designation for Visibility Reducing Particles**

	N	NA-T	U	A		N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN			X		SACRAMENTO VALLEY AIR BASIN			X	
LAKE COUNTY AIR BASIN				X	SALTON SEA AIR BASIN			X	
LAKE TAHOE AIR BASIN			X		SAN DIEGO AIR BASIN			X	
MOJAVE DESERT AIR BASIN			X		SAN FRANCISCO BAY AREA AIR BASIN			X	
MOUNTAIN COUNTIES AIR BASIN			X		SAN JOAQUIN VALLEY AIR BASIN			X	
NORTH CENTRAL COAST AIR BASIN			X		SOUTH CENTRAL COAST AIR BASIN			X	
NORTH COAST AIR BASIN			X		SOUTH COAST AIR BASIN			X	
NORTHEAST PLATEAU AIR BASIN			X						

Area Designations for the National Ambient Air Quality Standards

The following maps and tables show the area designations for each pollutant with a national ambient air quality standard. Additional information about the federal area designations is available on the U.S. EPA website:

<https://www.epa.gov/green-book>

Over the last several years, U.S. EPA has been reviewing the levels of the various national standards. The agency has already promulgated new standard levels for some pollutants and is considering revising the levels for others. Information about the status of these reviews is available on the U.S. EPA website:

<https://www.epa.gov/criteria-air-pollutants>

Designation Categories

Suspended Particulate Matter (PM₁₀). The U.S. EPA uses three categories to designate areas with respect to PM₁₀:

- Attainment
- Nonattainment
- Unclassifiable

Ozone, Fine Suspended Particulate Matter (PM_{2.5}), Carbon Monoxide (CO), and Nitrogen Dioxide (NO₂). The U.S. EPA uses two categories to designate areas with respect to these standards:

- Nonattainment
- Unclassifiable/Attainment

The national 1-hour ozone standard was revoked effective June 15, 2005, and the area designations map reflects the 2015 national 8-hour ozone standard of 0.070 ppm. Original designations were finalized on August 3, 2018.

On December 14, 2012, the U.S. EPA established a new national annual primary PM_{2.5} standard of 12.0 µg/m³. New area designations reflecting this revised standard became final in December 2014. The current designation map reflects the most recently revised (2012) annual average standard of 12.0 µg/m³ as well as the 24-hour standard of 35 µg/m³, revised in 2006.

On January 22, 2010, the U.S. EPA established a new national 1-hour NO₂ standard of 100 parts per billion (ppb) and retained the annual average standard of 53 ppb. Designations for the primary NO₂ standard became effective on February 29, 2012. All areas of California meet this standard.

Sulfur Dioxide (SO₂). The U.S. EPA uses three categories to designate areas with respect to the 24-hour and annual average sulfur dioxide standards. These designation categories are:

- Nonattainment,
- Unclassifiable, and
- Attainment/Unclassifiable.

On June 2, 2010, the U.S. EPA established a new primary 1-hour SO₂ standard of 75 parts per billion (ppb). At the same time, U.S. EPA revoked the 24-hour and annual

average standards. Area designations for the 1-hour SO₂ standard were finalized on December 21, 2017 and are reflected in the area designations map.

Lead (particulate). The U.S. EPA promulgated a new rolling 3-month average lead standard in October 2008 of 0.15 µg/m³. Designations were made for this standard in November 2010.

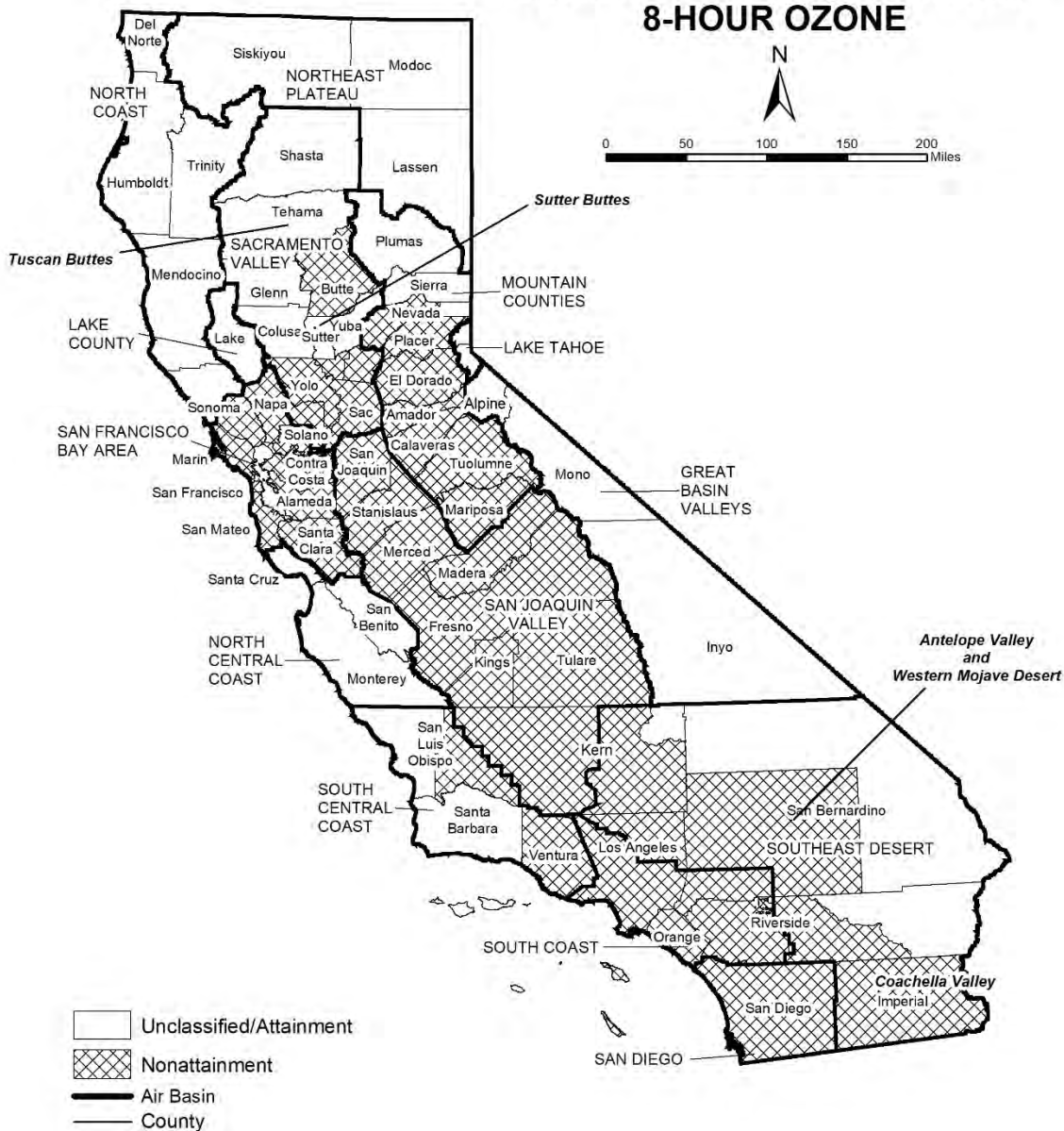
Designation Areas

From time to time, the boundaries of the California air basins have been changed to facilitate the planning process. CARB generally initiates these changes, and they are not always reflected in the U.S. EPA's area designations. For purposes of consistency, the maps in this attachment reflect area designation boundaries and nomenclature as promulgated by the U.S. EPA. In some cases, these may not be the same as those adopted by CARB. For example, the national area designations reflect the former Southeast Desert Air Basin. In accordance with Health and Safety Code section 39606.1, CARB redefined this area in 1996 to be the Mojave Desert Air Basin and Salton Sea Air Basin. The definitions and boundaries for all areas designated for the national standards can be found in Title 40, Code of Federal Regulations (CFR), Chapter I, Subchapter C, Part 81.305. They are available on the web at:

https://ecfr.io/Title-40/se40.20.81_1305

FIGURE 11

Area Designations for National Ambient Air Quality Standards 8-HOUR OZONE



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 11

**National Ambient Air Quality Standards
Area Designations for 8-Hour Ozone***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN (cont.)		
LAKE COUNTY AIR BASIN		X	Yolo County (2)	X	
LAKE TAHOE AIR BASIN		X	Yuba County		X
MOUNTAIN COUNTIES AIR BASIN			SAN DIEGO COUNTY	X	
Amador County	X		SAN FRANCISCO BAY AREA AIR BASIN	X	
Calaveras County	X		SAN JOAQUIN VALLEY AIR BASIN	X	
El Dorado County (portion) (2)	X		SOUTH CENTRAL COAST AIR BASIN (1)		
Mariposa County	X		San Luis Obispo County		
Nevada County			- Eastern San Luis Obispo County	X	
- Western Nevada County	X		- Remainder of County		X
- Remainder of County		X	Santa Barbara County		X
Placer County (portion) (2)	X		Ventura County		
Plumas County		X	- Area excluding Anacapa and San Nicolas Islands	X	
Sierra County		X	- Channel Islands (1)		X
Tuolumne County	X		SOUTH COAST AIR BASIN (1)	X	
NORTH CENTRAL COAST AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		
NORTH COAST AIR BASIN		X	Kern County (portion)	X	
NORTHEAST PLATEAU AIR BASIN		X	- Indian Wells Valley		X
SACRAMENTO VALLEY AIR BASIN			Imperial County	X	
Butte County	X		Los Angeles County (portion)	X	
Colusa County		X	Riverside County (portion)		
Glenn County		X	- Coachella Valley	X	
Sacramento Metro Area (2)	X		- Non-AQMA portion		X
Shasta County		X	San Bernardino County		
Sutter County			- Western portion (AQMA)	X	
- Sutter Buttes	X		- Eastern portion (non-AQMA)		X
- Southern portion of Sutter County (2)	X				
- Remainder of Sutter County		X			
Tehama County					
- Tuscan Buttes	X				
- Remainder of Tehama County		X			

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and table reflect the 2015 8-hour ozone standard of 0.070 ppm.

(1) South Central Coast Air Basin Channel Islands:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.

Ventura County includes Anacapa and San Nicolas Islands.

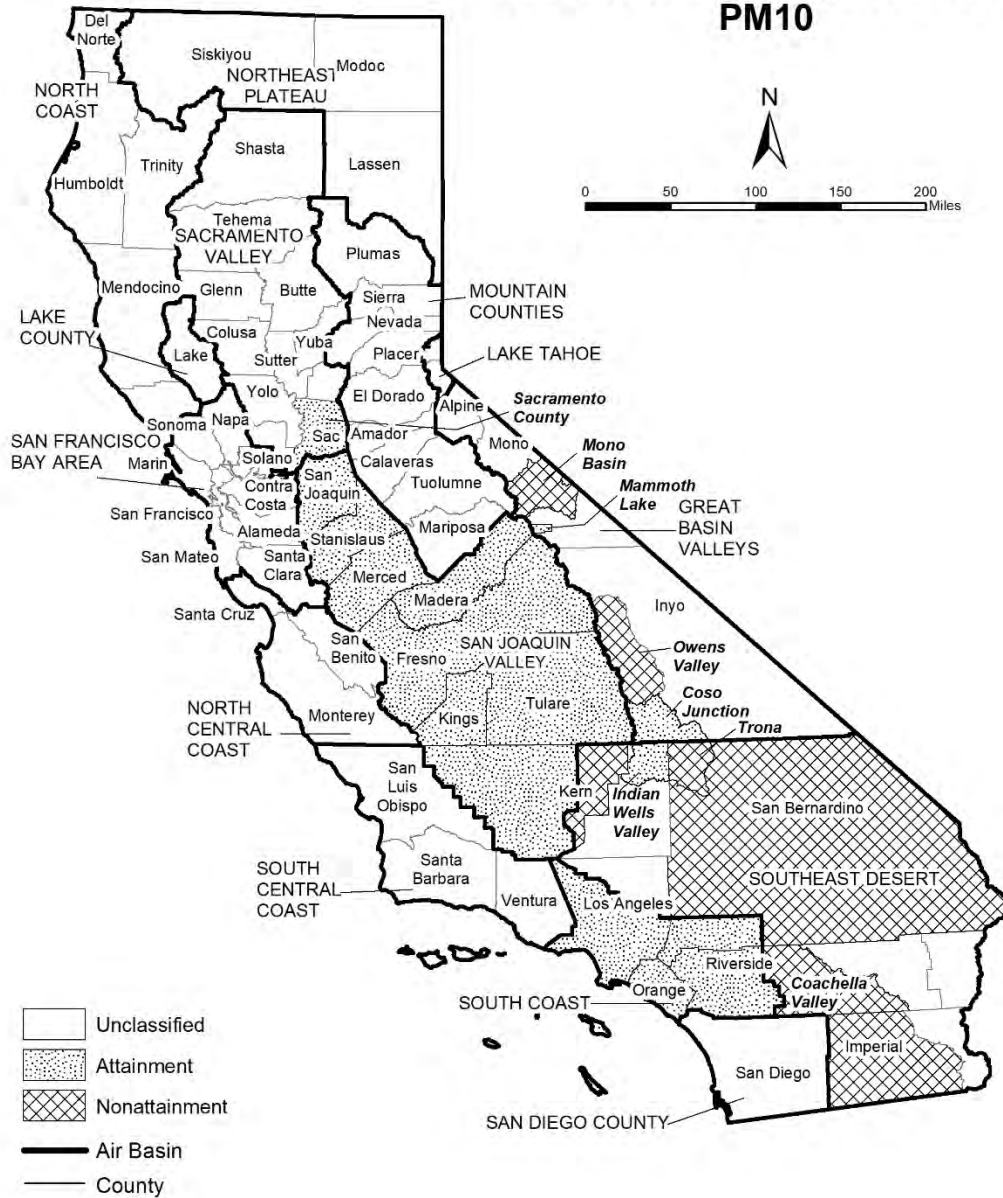
South Coast Air Basin:

Los Angeles County includes San Clemente and Santa Catalina Islands.

(2) For this purpose, the Sacramento Metro Area comprises all of Sacramento and Yolo Counties, the Sacramento Valley Air Basin portion of Solano County, the southern portion of Sutter County, and the Sacramento Valley and Mountain Counties Air Basins portions of Placer and El Dorado counties.

FIGURE 12

Area Designations for National Ambient Air Quality Standards PM10



Source Date:
 October 2018
 Air Quality Planning and Science Division

TABLE 12

**National Ambient Air Quality Standards
Area Designations for Suspended Particulate Matter (PM10)***

	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN				SAN DIEGO COUNTY		X	
Alpine County		X		SAN FRANCISCO BAY AREA AIR BASIN		X	
Inyo County				SAN JOAQUIN VALLEY AIR BASIN			X
- Owens Valley Planning Area	X			SOUTH CENTRAL COAST AIR BASIN		X	
- Coso Junction			X	SOUTH COAST AIR BASIN			X
- Remainder of County		X		SOUTHEAST DESERT AIR BASIN			
Mono County				Eastern Kern County			
- Mammoth Lake Planning Area			X	- Indian Wells Valley			X
- Mono Lake Basin	X			- Portion within San Joaquin Valley Planning Area	X		
- Remainder of County		X		- Remainder of County		X	
LAKE COUNTY AIR BASIN		X		Imperial County			
LAKE TAHOE AIR BASIN		X		- Imperial Valley Planning Area	X		
MOUNTAIN COUNTIES AIR BASIN				- Remainder of County		X	
Placer County (portion) (2)		X		Los Angeles County (portion)		X	
Remainder of Air Basin		X		Riverside County (portion)			
NORTH CENTRAL COAST AIR BASIN		X		- Coachella Valley (3)	X		
NORTH COAST AIR BASIN		X		- Non-AQMA portion		X	
NORTHEAST PLATEAU AIR BASIN		X		San Bernardino County			
SACRAMENTO VALLEY AIR BASIN				- Trona	X		
Butte County		X		- Remainder of County	X		
Colusa County		X					
Glenn County		X					
Placer County (portion) (2)		X					
Sacramento County (1)			X				
Shasta County		X					
Solano County (portion)		X					
Sutter County		X					
Tehama County		X					
Yolo County		X					
Yuba County		X					

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

(1) Air quality in Sacramento County meets the national PM10 standards. The request for redesignation to attainment was approved by U.S. EPA in September 2013.

(2) U.S. EPA designation puts the Sacramento Valley Air Basin portion of Placer County in the Mountain Counties Air Basin.

(3) Air quality in Coachella Valley meets the national PM10 standards. A request for redesignation to attainment has been submitted to U.S. EPA.

FIGURE 13

Area Designations for National Ambient Air Quality Standards PM2.5



Source Date:
 October 2018
 Air Quality Planning and Science Division

TABLE 13

**National Ambient Air Quality Standards
Area Designations for Fine Particulate Matter (PM2.5)***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE COUNTY AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN (2)	X	
LAKE TAHOE AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN	X	
MOUNTAIN COUNTIES AIR BASIN			SOUTH CENTRAL COAST AIR BASIN		X
Plumas County			SOUTH COAST AIR BASIN (3)	X	
- Portola Valley Portion of Plumas	X		SOUTHEAST DESERT AIR BASIN		
- Remainder of Plumas County		X	Imperial County (portion) (4)	X	
Remainder of Air Basin		X	Remainder of Air Basin		X
NORTH CENTRAL COAST AIR BASIN		X			
NORTH COAST AIR BASIN		X			
NORTHEAST PLATEAU AIR BASIN		X			
SACRAMENTO VALLEY AIR BASIN					
Sacramento Metro Area (1)	X				
Sutter County		X			
Yuba County (portion)		X			
Remainder of Air Basin		X			

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305. This map reflects the 2006 24-hour PM2.5 standard as well as the 1997 and 2012 PM2.5 annual standards.

(1) For this purpose, Sacramento Metro Area comprises all of Sacramento and portions of El Dorado, Placer, Solano, and Yolo Counties. Air quality in this area meets the national PM2.5 standards. A Determination of Attainment for the 2006 24-hour PM2.5 standard was made by U.S. EPA in June 2017.

(2) Air quality in this area meets the national PM2.5 standards. A Determination of Attainment for the 2006 24-hour PM2.5 standard was made by U.S. EPA in June 2017.

(3) Those lands of the Santa Rosa Band of Cahulla Mission Indians in Riverside County are designated Unclassifiable/Attainment.

(4) That portion of Imperial County encompassing the urban and surrounding areas of Brawley, Calexico, El Centro, Heber, Holtville, Imperial, Seeley, and Westmorland. Air quality in this area meets the national PM2.5 standards. A Determination of Attainment for the 2006 24-hour PM2.5 standard was made by U.S. EPA in June 2017.

FIGURE 14

**Area Designations for National Ambient Air Quality Standards
CARBON MONOXIDE**



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 14**National Ambient Air Quality Standards
Area Designations for Carbon Monoxide***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
LAKE COUNTY AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE TAHOE AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

FIGURE 15

Area Designations for National Ambient Air Quality Standards NITROGEN DIOXIDE



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 15**National Ambient Air Quality Standards
Area Designations for Nitrogen Dioxide***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SACRAMENTO VALLEY AIR BASIN		X
LAKE COUNTY AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE TAHOE AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

FIGURE 16

Area Designations for National Ambient Air Quality Standards SULFUR DIOXIDE



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 16

**National Ambient Air Quality Standards
Area Designations for Sulfur Dioxide***

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		
LAKE COUNTY AIR BASIN		X	San Luis Obispo County		X
LAKE TAHOE AIR BASIN		X	Santa Barbara County		X
MOUNTAIN COUNTIES AIR BASIN		X	Ventura County		X
NORTH CENTRAL COAST AIR BASIN		X	Channel Islands (1)		X
NORTH COAST AIR BASIN		X	SOUTH COAST AIR BASIN		X
NORTHEAST PLATEAU AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		
SACRAMENTO VALLEY AIR BASIN		X	Imperial County		X
SAN DIEGO COUNTY		X	Remainder of Air Basin		X
SAN FRANCISCO BAY AREA AIR BASIN		X			
SAN JOAQUIN VALLEY AIR BASIN					
Fresno County		X			
Kern County (portion)		X			
Kings County		X			
Madera County		X			
Merced County		X			
San Joaquin County		X			
Stanislaus County		X			
Tulare County		X			

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305.

NOTE: This map and table reflect the 2010 1-hour SO₂ standard of 75 ppb.

(1) South Central Coast Air Basin Channel Islands:

Santa Barbara County includes Santa Cruz, San Miguel, Santa Rosa, and Santa Barbara Islands.

Ventura County includes Anacapa and San Nicolas Islands.

Note that the San Clemente and Santa Catalina Islands are considered part of Los Angeles County, and therefore, are included as part of the South Coast Air Basin.

FIGURE 17

Area Designations for National Ambient Air Quality Standards LEAD



Source Date:
October 2018
Air Quality Planning and Science Division

TABLE 17

**National Ambient Air Quality Standards
Area Designations for Lead (particulate)**

	N	U/A		N	U/A
GREAT BASIN VALLEYS AIR BASIN		X	SAN DIEGO COUNTY		X
LAKE COUNTY AIR BASIN		X	SAN FRANCISCO BAY AREA AIR BASIN		X
LAKE TAHOE AIR BASIN		X	SAN JOAQUIN VALLEY AIR BASIN		X
MOUNTAIN COUNTIES AIR BASIN		X	SOUTH CENTRAL COAST AIR BASIN		X
NORTH CENTRAL COAST AIR BASIN		X	SOUTH COAST AIR BASIN		
NORTH COAST AIR BASIN		X	Los Angeles County (portion) (1)	X	
NORTHEAST PLATEAU AIR BASIN		X	Remainder of Air Basin		X
SACRAMENTO VALLEY AIR BASIN		X	SOUTHEAST DESERT AIR BASIN		X

(1) Portion of County in Air Basin, not including Channel Islands

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APPENDIX 5.1:

CALEEMOD CONSTRUCTION EMISSIONS MODEL OUTPUTS

14064 West Campus Upper Plateau Construction Unmitigated Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14064 West Campus Upper Plateau Construction Unmitigated
Construction Start Date	6/1/2023
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	10.0
Location	33.90704595345207, -117.30995400292802
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5480
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	1,763	1000sqft	40.5	1,763,170	0.00	—	—	—

Regional Shopping Center	161	1000sqft	3.69	160,920	0.00	—	—	—
Unrefrigerated Warehouse-No Rail	2,563	1000sqft	58.8	2,562,560	0.00	—	—	—
Refrigerated Warehouse-No Rail	500	1000sqft	11.5	500,000	0.00	—	—	—
City Park	60.3	Acre	60.3	0.00	2,625,801	0.00	—	—
Other Asphalt Surfaces	8,486	1000sqft	195	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

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.	46.0	99.3	413	268	0.92	14.0	34.4	42.3	12.9	11.9	24.8	—	103,047	103,047	4.04	3.60	150	103,737
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	46.0	99.2	413	265	0.92	14.0	34.4	42.3	12.9	11.9	24.8	—	102,920	102,920	4.05	3.65	3.89	103,584
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	19.3	48.0	173	121	0.39	5.88	19.8	20.9	5.42	5.09	10.4	—	43,109	43,109	1.70	1.88	39.8	43,391
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	3.52	8.75	31.6	22.1	0.07	1.07	3.61	3.81	0.99	0.93	1.89	—	7,137	7,137	0.28	0.31	6.59	7,184
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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	46.0	38.6	413	268	0.92	14.0	28.2	42.3	12.9	11.9	24.8	—	103,047	103,047	4.04	1.88	26.9	103,737
2024	20.8	17.5	176	194	0.39	6.23	27.9	29.6	5.73	6.66	10.6	—	44,749	44,749	1.74	2.63	139	45,714
2025	15.1	12.4	56.0	181	0.14	1.57	27.9	29.4	1.45	6.66	8.11	—	44,019	44,019	1.61	2.63	129	44,973
2026	16.4	97.1	64.3	205	0.19	1.62	34.4	36.0	1.51	8.24	9.75	—	54,565	54,565	1.98	3.60	150	55,836
2027	4.90	99.3	27.5	64.8	0.10	0.91	7.08	7.99	0.85	1.73	2.58	—	17,153	17,153	0.43	1.13	32.3	17,532
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	46.0	38.6	413	265	0.92	14.0	28.2	42.3	12.9	11.9	24.8	—	102,920	102,920	4.05	1.88	0.70	103,584
2024	45.4	38.1	394	260	0.92	13.4	28.2	41.6	12.3	11.9	24.2	—	102,805	102,805	4.05	2.64	3.62	103,469
2025	13.8	11.9	57.4	145	0.14	1.57	27.9	29.4	1.45	6.66	8.11	—	41,863	41,863	1.65	2.63	3.34	42,693
2026	15.8	96.5	66.0	166	0.19	1.62	34.4	36.0	1.51	8.24	9.75	—	52,043	52,043	1.10	3.65	3.89	53,161
2027	4.81	99.2	27.9	58.2	0.10	0.91	7.08	7.99	0.85	1.73	2.58	—	16,712	16,712	0.44	1.13	0.84	17,059
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	19.3	16.2	173	111	0.39	5.88	11.8	17.7	5.42	4.96	10.4	—	43,109	43,109	1.70	0.79	4.87	43,391
2024	15.8	13.5	108	121	0.25	3.57	17.0	20.6	3.29	5.09	8.38	—	38,491	38,491	1.52	1.41	26.4	38,975
2025	9.82	8.43	41.5	108	0.10	1.12	19.8	20.9	1.04	4.73	5.76	—	30,123	30,123	1.18	1.88	39.8	30,753
2026	8.18	31.8	34.5	88.9	0.10	0.86	17.5	18.4	0.80	4.20	5.00	—	26,646	26,646	0.56	1.79	32.8	27,225
2027	1.69	48.0	8.38	18.9	0.03	0.19	3.57	3.76	0.17	0.87	1.05	—	6,541	6,541	0.14	0.54	7.02	6,714
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2023	3.52	2.95	31.6	20.3	0.07	1.07	2.16	3.23	0.99	0.91	1.89	—	7,137	7,137	0.28	0.13	0.81	7,184
2024	2.89	2.47	19.8	22.1	0.05	0.65	3.10	3.75	0.60	0.93	1.53	—	6,373	6,373	0.25	0.23	4.37	6,453
2025	1.79	1.54	7.58	19.7	0.02	0.20	3.61	3.81	0.19	0.86	1.05	—	4,987	4,987	0.20	0.31	6.59	5,092
2026	1.49	5.81	6.29	16.2	0.02	0.16	3.20	3.36	0.15	0.77	0.91	—	4,411	4,411	0.09	0.30	5.43	4,507
2027	0.31	8.75	1.53	3.44	0.01	0.03	0.65	0.69	0.03	0.16	0.19	—	1,083	1,083	0.02	0.09	1.16	1,112

3. Construction Emissions Details

3.1. Ph1 Mass 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	37.5	31.5	339	214	0.69	11.9	—	11.9	11.0	—	11.0	—	74,824	74,824	3.04	0.61	—	75,081
Dust From Material Movement:	—	—	—	—	—	—	19.7	19.7	—	8.36	8.36	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	37.5	31.5	339	214	0.69	11.9	—	11.9	11.0	—	11.0	—	74,824	74,824	3.04	0.61	—	75,081
Dust From Material Movement:	—	—	—	—	—	—	19.7	19.7	—	8.36	8.36	—	—	—	—	—	—	—

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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	15.7	13.2	142	89.7	0.29	4.99	—	4.99	4.59	—	4.59	—	31,335	31,335	1.27	0.25	—	31,443
Dust From Material Movement:	—	—	—	—	—	—	8.27	8.27	—	3.50	3.50	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.87	2.41	25.9	16.4	0.05	0.91	—	0.91	0.84	—	0.84	—	5,188	5,188	0.21	0.04	—	5,206
Dust From Material Movement:	—	—	—	—	—	—	1.51	1.51	—	0.64	0.64	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.44	0.44	7.48	0.00	0.00	1.08	1.08	0.00	0.25	0.25	—	1,212	1,212	0.05	0.04	5.20	1,231
Vendor	0.19	0.11	4.18	1.30	0.03	0.05	0.98	1.03	0.05	0.27	0.32	—	3,581	3,581	0.08	0.53	9.97	3,751
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.42	0.51	5.67	0.00	0.00	1.08	1.08	0.00	0.25	0.25	—	1,114	1,114	0.05	0.04	0.13	1,127
Vendor	0.18	0.10	4.38	1.34	0.03	0.05	0.98	1.03	0.05	0.27	0.32	—	3,583	3,583	0.08	0.53	0.26	3,744

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Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.21	2.49	0.00	0.00	0.45	0.45	0.00	0.11	0.11	—	472	472	0.02	0.02	0.94	479
Vendor	0.08	0.04	1.84	0.55	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,500	1,500	0.03	0.22	1.81	1,569
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.04	0.45	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	78.2	78.2	< 0.005	< 0.005	0.16	79.3
Vendor	0.01	0.01	0.34	0.10	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	248	248	0.01	0.04	0.30	260
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Ph1 Mass Grading (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	36.9	31.0	322	210	0.69	11.3	—	11.3	10.4	—	10.4	—	74,812	74,812	3.03	0.61	—	75,069
Dust From Material Movement:	—	—	—	—	—	—	19.7	19.7	—	8.36	8.36	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	4.69	3.94	40.9	26.7	0.09	1.44	—	1.44	1.32	—	1.32	—	9,516	9,516	0.39	0.08	—	9,549
Dust From Material Movement:	—	—	—	—	—	—	2.51	2.51	—	1.06	1.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.86	0.72	7.47	4.87	0.02	0.26	—	0.26	0.24	—	0.24	—	1,576	1,576	0.06	0.01	—	1,581
Dust From Material Movement:	—	—	—	—	—	—	0.46	0.46	—	0.19	0.19	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.40	0.47	5.21	0.00	0.00	1.08	1.08	0.00	0.25	0.25	—	1,091	1,091	0.05	0.04	0.12	1,105
Vendor	0.15	0.10	4.20	1.28	0.03	0.05	0.98	1.03	0.05	0.27	0.32	—	3,542	3,542	0.08	0.53	0.26	3,703
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.70	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	141	141	0.01	0.01	0.26	143
Vendor	0.02	0.01	0.53	0.16	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	450	450	0.01	0.07	0.55	471
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	23.3	23.3	< 0.005	< 0.005	0.04	23.6
Vendor	< 0.005	< 0.005	0.10	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	74.6	74.6	< 0.005	0.01	0.09	78.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Ph1 Blasting (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	7.53	6.33	64.7	40.8	0.18	2.03	—	2.03	1.87	—	1.87	—	19,446	19,446	0.79	0.16	—	19,512
Dust From Material Movement:	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	7.53	6.33	64.7	40.8	0.18	2.03	—	2.03	1.87	—	1.87	—	19,446	19,446	0.79	0.16	—	19,512
Dust From Material Movement:	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	3.15	2.65	27.1	17.1	0.08	0.85	—	0.85	0.78	—	0.78	—	8,144	8,144	0.33	0.07	—	8,172
Dust From Material Movement:	—	—	—	—	—	—	2.14	2.14	—	1.10	1.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.58	0.48	4.94	3.12	0.01	0.16	—	0.16	0.14	—	0.14	—	1,348	1,348	0.05	0.01	—	1,353
Dust From Material Movement:	—	—	—	—	—	—	0.39	0.39	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.15	2.49	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	404	404	0.02	0.01	1.73	410
Vendor	0.19	0.11	4.18	1.30	0.03	0.05	0.98	1.03	0.05	0.27	0.32	—	3,581	3,581	0.08	0.53	9.97	3,751
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.17	1.89	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	371	371	0.02	0.01	0.04	376
Vendor	0.18	0.10	4.38	1.34	0.03	0.05	0.98	1.03	0.05	0.27	0.32	—	3,583	3,583	0.08	0.53	0.26	3,744
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.07	0.83	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	157	157	0.01	0.01	0.31	160

Vendor	0.08	0.04	1.84	0.55	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,500	1,500	0.03	0.22	1.81	1,569
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	26.1	26.1	< 0.005	< 0.005	0.05	26.4
Vendor	0.01	0.01	0.34	0.10	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	248	248	0.01	0.04	0.30	260
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Ph1 Blasting (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	7.61	6.39	63.2	40.8	0.18	1.99	—	1.99	1.83	—	1.83	—	19,454	19,454	0.79	0.16	—	19,521
Dust From Material Movement:	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.97	0.81	8.04	5.19	0.02	0.25	—	0.25	0.23	—	0.23	—	2,475	2,475	0.10	0.02	—	2,483

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Dust From Material Movement:	—	—	—	—	—	—	0.65	0.65	—	0.33	0.33	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.15	1.47	0.95	< 0.005	0.05	—	0.05	0.04	—	0.04	—	410	410	0.02	< 0.005	—	411
Dust From Material Movement:	—	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.16	1.74	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	364	364	0.02	0.01	0.04	368
Vendor	0.15	0.10	4.20	1.28	0.03	0.05	0.98	1.03	0.05	0.27	0.32	—	3,542	3,542	0.08	0.53	0.26	3,703
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	46.9	46.9	< 0.005	< 0.005	0.09	47.5
Vendor	0.02	0.01	0.53	0.16	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	450	450	0.01	0.07	0.55	471
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.76	7.76	< 0.005	< 0.005	0.01	7.87
Vendor	< 0.005	< 0.005	0.10	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	74.6	74.6	< 0.005	0.01	0.09	78.0

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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3.9. Ph2 Remedial Grading (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	20.5	17.2	175	117	0.38	6.21	—	6.21	5.71	—	5.71	—	41,586	41,586	1.69	0.34	—	41,729	
Dust From Material Movement:	—	—	—	—	—	—	10.7	10.7	—	4.62	4.62	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	20.5	17.2	175	117	0.38	6.21	—	6.21	5.71	—	5.71	—	41,586	41,586	1.69	0.34	—	41,729	
Dust From Material Movement:	—	—	—	—	—	—	10.7	10.7	—	4.62	4.62	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.76	3.16	32.1	21.5	0.07	1.14	—	1.14	1.05	—	1.05	—	7,634	7,634	0.31	0.06	—	7,660	

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Dust From Material Movement:	—	—	—	—	—	—	1.97	1.97	—	0.85	0.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.69	0.58	5.85	3.93	0.01	0.21	—	0.21	0.19	—	0.19	—	1,264	1,264	0.05	0.01	—	1,268
Dust From Material Movement:	—	—	—	—	—	—	0.36	0.36	—	0.15	0.15	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.24	0.23	3.97	0.00	0.00	0.62	0.62	0.00	0.15	0.15	—	684	684	0.03	0.02	2.71	694
Vendor	0.05	0.03	1.34	0.42	0.01	0.02	0.33	0.34	0.02	0.09	0.11	—	1,180	1,180	0.03	0.18	3.32	1,236
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.23	0.27	3.00	0.00	0.00	0.62	0.62	0.00	0.15	0.15	—	628	628	0.03	0.02	0.07	636
Vendor	0.05	0.03	1.40	0.43	0.01	0.02	0.33	0.34	0.02	0.09	0.11	—	1,181	1,181	0.03	0.18	0.09	1,234
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.58	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	117	117	0.01	< 0.005	0.22	118
Vendor	0.01	0.01	0.26	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	217	217	< 0.005	0.03	0.26	227
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.3	19.3	< 0.005	< 0.005	0.04	19.6
Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.9	35.9	< 0.005	0.01	0.04	37.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Ph2 Building Construction (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.76	3.98	39.6	31.2	0.07	1.62	—	1.62	1.49	—	1.49	—	6,445	6,445	0.26	0.05	—	6,467
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	4.76	3.98	39.6	31.2	0.07	1.62	—	1.62	1.49	—	1.49	—	6,445	6,445	0.26	0.05	—	6,467
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	1.94	1.62	16.1	12.7	0.03	0.66	—	0.66	0.61	—	0.61	—	2,623	2,623	0.11	0.02	—	2,632
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	0.30	2.94	2.32	< 0.005	0.12	—	0.12	0.11	—	0.11	—	434	434	0.02	< 0.005	—	436

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	10.7	9.75	9.18	159	0.00	0.00	24.9	24.9	0.00	5.83	5.83	—	27,376	27,376	1.15	0.94	109	27,794	
Vendor	0.49	0.32	12.4	3.85	0.08	0.16	3.01	3.17	0.16	0.83	0.99	—	10,929	10,929	0.24	1.64	30.8	11,453	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	10.1	9.16	10.8	120	0.00	0.00	24.9	24.9	0.00	5.83	5.83	—	25,159	25,159	1.20	0.94	2.82	25,473	
Vendor	0.47	0.31	13.0	3.94	0.08	0.16	3.01	3.17	0.16	0.83	0.99	—	10,936	10,936	0.24	1.65	0.80	11,433	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	4.11	3.71	4.40	51.4	0.00	0.00	10.1	10.1	0.00	2.36	2.36	—	10,372	10,372	0.49	0.38	19.1	10,517	
Vendor	0.19	0.13	5.27	1.59	0.03	0.06	1.22	1.28	0.06	0.34	0.40	—	4,450	4,450	0.10	0.67	5.39	4,656	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Worker	0.75	0.68	0.80	9.39	0.00	0.00	1.83	1.83	0.00	0.43	0.43	—	1,717	1,717	0.08	0.06	3.16	1,741	
Vendor	0.04	0.02	0.96	0.29	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	737	737	0.02	0.11	0.89	771	
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	

3.13. Ph2 Building Construction (2025) - Unmitigated

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.36	3.64	35.8	30.4	0.07	1.41	—	1.41	1.30	—	1.30	—	6,444	6,444	0.26	0.05	—	6,466
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	4.36	3.64	35.8	30.4	0.07	1.41	—	1.41	1.30	—	1.30	—	6,444	6,444	0.26	0.05	—	6,466
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	3.11	2.60	25.6	21.7	0.05	1.01	—	1.01	0.93	—	0.93	—	4,603	4,603	0.19	0.04	—	4,619
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	0.57	0.48	4.67	3.96	0.01	0.18	—	0.18	0.17	—	0.17	—	762	762	0.03	0.01	—	765
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	10.2	8.51	8.32	147	0.00	0.00	24.9	24.9	0.00	5.83	5.83	—	26,806	26,806	1.11	0.94	98.5	27,214
Vendor	0.49	0.23	11.8	3.68	0.08	0.16	3.01	3.17	0.16	0.83	0.99	—	10,769	10,769	0.24	1.64	30.6	11,294
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	8.99	8.01	9.18	111	0.00	0.00	24.9	24.9	0.00	5.83	5.83	—	24,643	24,643	1.15	0.94	2.55	24,955
Vendor	0.47	0.22	12.4	3.78	0.08	0.16	3.01	3.17	0.16	0.83	0.99	—	10,777	10,777	0.24	1.64	0.79	11,271
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.36	5.66	7.11	83.8	0.00	0.00	17.6	17.6	0.00	4.13	4.13	—	17,826	17,826	0.82	0.67	30.3	18,078
Vendor	0.34	0.17	8.83	2.66	0.06	0.11	2.14	2.25	0.11	0.59	0.70	—	7,695	7,695	0.17	1.17	9.46	8,057
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.16	1.03	1.30	15.3	0.00	0.00	3.22	3.22	0.00	0.75	0.75	—	2,951	2,951	0.14	0.11	5.02	2,993
Vendor	0.06	0.03	1.61	0.49	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,274	1,274	0.03	0.19	1.57	1,334
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Ph2 Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.08	3.41	33.5	29.9	0.07	1.25	—	1.25	1.15	—	1.15	—	6,444	6,444	0.26	0.05	—	6,466
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	4.08	3.41	33.5	29.9	0.07	1.25	—	1.25	1.15	—	1.15	—	6,444	6,444	0.26	0.05	—	6,466
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.30	1.92	18.9	16.9	0.04	0.71	—	0.71	0.65	—	0.65	—	3,632	3,632	0.15	0.03	—	3,644
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	0.42	0.35	3.45	3.08	0.01	0.13	—	0.13	0.12	—	0.12	—	601	601	0.02	< 0.005	—	603
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	8.95	8.05	7.46	137	0.00	0.00	24.9	24.9	0.00	5.83	5.83	—	26,231	26,231	1.11	0.90	88.9	26,616
Vendor	0.49	0.23	11.3	3.51	0.08	0.16	3.01	3.17	0.16	0.83	0.99	—	10,596	10,596	0.24	1.64	29.0	11,119
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	8.53	7.59	8.32	104	0.00	0.00	24.9	24.9	0.00	5.83	5.83	—	24,120	24,120	0.38	0.94	2.31	24,412
Vendor	0.47	0.21	11.8	3.60	0.08	0.16	3.01	3.17	0.16	0.83	0.99	—	10,604	10,604	0.24	1.64	0.75	11,098
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.79	4.25	5.13	61.1	0.00	0.00	13.9	13.9	0.00	3.26	3.26	—	13,766	13,766	0.21	0.53	21.6	13,952
Vendor	0.27	0.12	6.68	2.00	0.04	0.09	1.69	1.78	0.09	0.47	0.56	—	5,974	5,974	0.13	0.92	7.02	6,259

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.87	0.78	0.94	11.1	0.00	0.00	2.54	2.54	0.00	0.60	0.60	—	2,279	2,279	0.04	0.09	3.58	2,310
Vendor	0.05	0.02	1.22	0.37	0.01	0.02	0.31	0.32	0.02	0.09	0.10	—	989	989	0.02	0.15	1.16	1,036
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Ph2 Paving (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.01	1.69	15.2	29.2	0.05	0.72	—	0.72	0.66	—	0.66	—	4,937	4,937	0.20	0.04	—	4,954
Paving	—	12.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.01	1.69	15.2	29.2	0.05	0.72	—	0.72	0.66	—	0.66	—	4,937	4,937	0.20	0.04	—	4,954
Paving	—	12.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.19	1.75	3.37	0.01	0.08	—	0.08	0.08	—	0.08	—	568	568	0.02	< 0.005	—	570
Paving	—	1.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.32	0.61	< 0.005	0.02	—	0.02	0.01	—	0.01	—	94.1	94.1	< 0.005	< 0.005	—	94.4
Paving	—	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.99	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	406	406	< 0.005	0.01	1.26	412
Vendor	0.03	0.01	0.74	0.23	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	709	709	0.02	0.11	1.81	743
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.12	1.51	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	373	373	0.01	0.01	0.03	378
Vendor	0.03	0.01	0.78	0.24	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	710	710	0.02	0.11	0.05	742
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	43.5	43.5	< 0.005	< 0.005	0.06	44.1
Vendor	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	81.6	81.6	< 0.005	0.01	0.09	85.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.20	7.20	< 0.005	< 0.005	0.01	7.30
Vendor	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.5	13.5	< 0.005	< 0.005	0.01	14.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Ph2 Architectural Coating (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.68	4.81	6.37	0.01	0.13	—	0.13	0.12	—	0.12	—	751	751	0.03	0.01	—	753
Architect ural Coatings	—	83.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.82	0.68	4.81	6.37	0.01	0.13	—	0.13	0.12	—	0.12	—	751	751	0.03	0.01	—	753
Architect ural Coatings	—	83.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.25	0.20	1.44	1.91	< 0.005	0.04	—	0.04	0.04	—	0.04	—	225	225	0.01	< 0.005	—	225
Architect ural Coatings	—	24.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.26	0.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	37.2	37.2	< 0.005	< 0.005	—	37.3
Architectural Coatings	—	4.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.79	1.61	1.49	27.3	0.00	0.00	4.97	4.97	0.00	1.17	1.17	—	5,246	5,246	0.22	0.18	17.8	5,323
Vendor	0.24	0.11	5.66	1.75	0.04	0.08	1.51	1.58	0.08	0.42	0.50	—	5,298	5,298	0.12	0.82	14.5	5,559
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.71	1.52	1.66	20.7	0.00	0.00	4.97	4.97	0.00	1.17	1.17	—	4,824	4,824	0.08	0.19	0.46	4,882
Vendor	0.24	0.11	5.90	1.80	0.04	0.08	1.51	1.58	0.08	0.42	0.50	—	5,302	5,302	0.12	0.82	0.38	5,549
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.45	0.54	6.49	0.00	0.00	1.48	1.48	0.00	0.35	0.35	—	1,463	1,463	0.02	0.06	2.30	1,482
Vendor	0.07	0.03	1.78	0.53	0.01	0.02	0.45	0.47	0.02	0.12	0.15	—	1,587	1,587	0.04	0.25	1.86	1,663
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.18	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	242	242	< 0.005	0.01	0.38	245
Vendor	0.01	0.01	0.32	0.10	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	263	263	0.01	0.04	0.31	275
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Ph2 Architectural Coating (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.64	4.67	6.33	0.01	0.11	—	0.11	0.10	—	0.10	—	751	751	0.03	0.01	—	753
Architect ural Coatings	—	83.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.77	0.64	4.67	6.33	0.01	0.11	—	0.11	0.10	—	0.10	—	751	751	0.03	0.01	—	753
Architect ural Coatings	—	83.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.42	0.35	2.54	3.44	0.01	0.06	—	0.06	0.05	—	0.05	—	408	408	0.02	< 0.005	—	410
Architect ural Coatings	—	45.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.06	0.46	0.63	< 0.005	0.01	—	0.01	0.01	—	0.01	—	67.6	67.6	< 0.005	< 0.005	—	67.8
Architectural Coatings	—	8.24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.72	1.53	1.32	25.3	0.00	0.00	4.97	4.97	0.00	1.17	1.17	—	5,149	5,149	0.06	0.18	16.0	5,220
Vendor	0.24	0.11	5.44	1.71	0.04	0.08	1.51	1.58	0.08	0.42	0.50	—	5,201	5,201	0.12	0.78	13.2	5,450
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.63	1.44	1.49	19.1	0.00	0.00	4.97	4.97	0.00	1.17	1.17	—	4,736	4,736	0.07	0.18	0.41	4,791
Vendor	0.23	0.10	5.68	1.76	0.04	0.08	1.51	1.58	0.08	0.42	0.50	—	5,205	5,205	0.12	0.78	0.34	5,440
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.89	0.78	0.90	10.9	0.00	0.00	2.69	2.69	0.00	0.63	0.63	—	2,609	2,609	0.04	0.10	3.75	2,643
Vendor	0.13	0.06	3.09	0.94	0.02	0.04	0.81	0.86	0.04	0.23	0.27	—	2,830	2,830	0.07	0.42	3.11	2,962
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.16	1.99	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	432	432	0.01	0.02	0.62	438
Vendor	0.02	0.01	0.56	0.17	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	469	469	0.01	0.07	0.51	490
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Ph1 Mass Grading	Grading	6/1/2023	3/5/2024	5.00	199	—
Ph1 Blasting	Grading	6/1/2023	3/5/2024	5.00	199	—
Ph2 Remedial Grading	Grading	3/6/2024	6/6/2024	5.00	67.0	—
Ph2 Building Construction	Building Construction	6/7/2024	10/15/2026	5.00	615	—
Ph2 Paving	Paving	8/9/2027	10/5/2027	5.00	42.0	—
Ph2 Architectural Coating	Architectural Coating	8/1/2026	10/5/2027	5.00	307	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Ph1 Mass Grading	Rubber Tired Dozers	Diesel	Average	8.00	8.00	670	0.40

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Ph1 Mass Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	425	0.37
Ph1 Mass Grading	Excavators	Diesel	Average	4.00	8.00	400	0.38
Ph1 Mass Grading	Scrapers	Diesel	Average	16.0	8.00	570	0.48
Ph1 Mass Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	425	0.40
Ph1 Mass Grading	Off-Highway Trucks	Diesel	Average	3.00	8.00	500	0.38
Ph1 Blasting	Rubber Tired Dozers	Diesel	Average	2.00	8.00	670	0.40
Ph1 Blasting	Tractors/Loaders/Backhoes	Diesel	Average	2.00	8.00	400	0.37
Ph1 Blasting	Off-Highway Trucks	Diesel	Average	3.00	8.00	425	0.38
Ph1 Blasting	Rubber Tired Dozers	Diesel	Average	1.00	8.00	600	0.40
Ph1 Blasting	Bore/Drill Rigs	Diesel	Average	3.00	8.00	360	0.50
Ph2 Remedial Grading	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	425	0.37
Ph2 Remedial Grading	Excavators	Diesel	Average	2.00	8.00	400	0.38
Ph2 Remedial Grading	Rubber Tired Dozers	Diesel	Average	4.00	8.00	670	0.40
Ph2 Remedial Grading	Scrapers	Diesel	Average	8.00	8.00	570	0.48
Ph2 Remedial Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	425	0.40
Ph2 Remedial Grading	Off-Highway Trucks	Diesel	Average	3.00	8.00	500	0.38
Ph2 Building Construction	Cranes	Diesel	Average	2.00	8.00	231	0.29
Ph2 Building Construction	Forklifts	Diesel	Average	6.00	8.00	89.0	0.20
Ph2 Building Construction	Generator Sets	Diesel	Average	2.00	8.00	84.0	0.74
Ph2 Building Construction	Welders	Diesel	Average	2.00	8.00	46.0	0.45
Ph2 Building Construction	Crawler Tractors	Diesel	Average	3.00	8.00	212	0.43
Ph2 Paving	Pavers	Diesel	Average	4.00	8.00	130	0.42
Ph2 Paving	Paving Equipment	Diesel	Average	4.00	8.00	132	0.36

Ph2 Paving	Rollers	Diesel	Average	4.00	8.00	80.0	0.38
Ph2 Architectural Coating	Air Compressors	Diesel	Average	2.00	8.00	78.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

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

Ph2 Architectural Coating	—	—	—	—
Ph2 Architectural Coating	Worker	380	18.5	LDA,LDT1,LDT2
Ph2 Architectural Coating	Vendor	176	10.2	HHDT,MHDT
Ph2 Architectural Coating	Hauling	0.00	20.0	HHDT
Ph2 Architectural Coating	Onsite truck	—	—	HHDT
Ph2 Paving	—	—	—	—
Ph2 Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Ph2 Paving	Vendor	24.0	10.2	HHDT,MHDT
Ph2 Paving	Hauling	0.00	20.0	HHDT
Ph2 Paving	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Ph2 Architectural Coating	0.00	0.00	7,479,975	2,493,325	509,160

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Ph1 Mass Grading	—	—	3,980	0.00	—
Ph1 Blasting	—	—	3,980	0.00	—
Ph2 Remedial Grading	—	—	3,980	0.00	—

Ph2 Paving	0.00	0.00	0.00	0.00	195
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5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Office Park	0.00	0%
Regional Shopping Center	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Refrigerated Warehouse-No Rail	0.00	0%
City Park	0.00	0%
Other Asphalt Surfaces	195	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	532	0.03	< 0.005
2024	0.00	532	0.03	< 0.005
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005
2027	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

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

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

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

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

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

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

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

6.3. Adjusted Climate Risk Scores

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

Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	97.6
AQ-PM	59.8
AQ-DPM	40.3
Drinking Water	70.7
Lead Risk Housing	53.6
Pesticides	13.2
Toxic Releases	64.0
Traffic	82.0
Effect Indicators	—
CleanUp Sites	82.5
Groundwater	97.9

Haz Waste Facilities/Generators	87.9
Impaired Water Bodies	0.00
Solid Waste	84.9
Sensitive Population	—
Asthma	71.5
Cardio-vascular	86.8
Low Birth Weights	97.0
Socioeconomic Factor Indicators	—
Education	82.5
Housing	59.7
Linguistic	82.8
Poverty	89.3
Unemployment	81.0

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	8.353650712
Employed	6.480174516
Median HI	22.3662261
Education	—
Bachelor's or higher	30.14243552
High school enrollment	100
Preschool enrollment	10.97138458
Transportation	—
Auto Access	10.29128705

Active commuting	87.46310792
Social	—
2-parent households	6.223533941
Voting	6.13370974
Neighborhood	—
Alcohol availability	44.43731554
Park access	43.37225715
Retail density	18.60644168
Supermarket access	67.43231105
Tree canopy	3.977928911
Housing	—
Homeownership	8.353650712
Housing habitability	10.4452714
Low-inc homeowner severe housing cost burden	45.06608495
Low-inc renter severe housing cost burden	46.23379956
Uncrowded housing	21.62196843
Health Outcomes	—
Insured adults	12.4085718
Arthritis	51.7
Asthma ER Admissions	24.0
High Blood Pressure	30.0
Cancer (excluding skin)	80.0
Asthma	9.8
Coronary Heart Disease	57.7
Chronic Obstructive Pulmonary Disease	27.0
Diagnosed Diabetes	31.9
Life Expectancy at Birth	7.4

Cognitively Disabled	15.9
Physically Disabled	19.5
Heart Attack ER Admissions	20.1
Mental Health Not Good	14.9
Chronic Kidney Disease	35.4
Obesity	8.3
Pedestrian Injuries	77.2
Physical Health Not Good	20.0
Stroke	29.9
Health Risk Behaviors	—
Binge Drinking	63.5
Current Smoker	15.5
No Leisure Time for Physical Activity	16.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	18.1
Elderly	24.3
English Speaking	44.9
Foreign-born	53.3
Outdoor Workers	18.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	73.9
Traffic Density	76.9
Traffic Access	61.5
Other Indices	—
Hardship	89.9

Other Decision Support	—
2016 Voting	11.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	98.0
Healthy Places Index Score for Project Location (b)	5.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Based on Project site plan
Construction: Construction Phases	Construction schedule based on data provided by the Project team
Construction: Off-Road Equipment	Construction equipment based on data provided by the Project team
Construction: Dust From Material Movement	Total acres grading based on equipment list

Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for each phase.
Construction: Architectural Coatings	Per SCAQMD Rule 1113

14064 West Campus Upper Plateau Construction Mitigated Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14064 West Campus Upper Plateau Construction Mitigated
Construction Start Date	6/1/2023
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	10.0
Location	33.90704595345207, -117.30995400292802
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5480
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	1,763	1000sqft	40.5	1,763,170	0.00	—	—	—

Regional Shopping Center	161	1000sqft	3.69	160,920	0.00	—	—	—
Unrefrigerated Warehouse-No Rail	2,563	1000sqft	58.8	2,562,560	0.00	—	—	—
Refrigerated Warehouse-No Rail	500	1000sqft	11.5	500,000	0.00	—	—	—
City Park	60.3	Acre	60.3	0.00	2,625,801	0.00	—	—
Other Asphalt Surfaces	8,486	1000sqft	195	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

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.	12.2	33.4	55.4	477	0.92	1.89	34.4	34.7	1.89	11.9	13.7	—	103,047	103,047	4.04	3.60	150	103,737
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	11.6	33.3	55.9	474	0.92	1.89	34.4	34.7	1.89	11.9	13.7	—	102,920	102,920	4.05	3.65	3.89	103,584
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	7.16	12.6	23.4	199	0.39	0.79	19.8	20.0	0.79	5.09	5.75	—	43,109	43,109	1.70	1.88	39.8	43,391
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	1.31	2.31	4.27	36.3	0.07	0.14	3.61	3.65	0.14	0.93	1.05	—	7,137	7,137	0.28	0.31	6.59	7,184
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2.2. Construction Emissions by Year, Unmitigated

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

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	9.94	9.73	55.4	477	0.92	1.89	28.2	30.1	1.89	11.9	13.7	—	103,047	103,047	4.04	1.88	26.9	103,737
2024	11.8	10.7	26.5	209	0.39	0.80	27.9	28.2	0.80	6.66	6.94	—	44,749	44,749	1.74	2.63	139	45,714
2025	11.3	9.38	25.1	187	0.14	0.28	27.9	28.2	0.28	6.66	6.94	—	44,019	44,019	1.61	2.63	129	44,973
2026	12.2	29.6	31.2	211	0.19	0.37	34.4	34.7	0.37	8.24	8.61	—	54,565	54,565	1.98	3.60	150	55,836
2027	2.65	33.4	10.4	68.7	0.10	0.20	7.08	7.27	0.20	1.73	1.93	—	17,153	17,153	0.43	1.13	32.3	17,532
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	9.90	9.68	55.9	474	0.92	1.89	28.2	30.1	1.89	11.9	13.7	—	102,920	102,920	4.05	1.88	0.70	103,584
2024	11.2	10.1	55.4	474	0.92	1.89	28.2	30.1	1.89	11.9	13.7	—	102,805	102,805	4.05	2.64	3.62	103,469
2025	10.1	8.86	26.5	152	0.14	0.28	27.9	28.2	0.28	6.66	6.94	—	41,863	41,863	1.65	2.63	3.34	42,693
2026	11.6	29.0	33.0	171	0.19	0.37	34.4	34.7	0.37	8.24	8.61	—	52,043	52,043	1.10	3.65	3.89	53,161
2027	2.56	33.3	10.8	62.1	0.10	0.20	7.08	7.27	0.20	1.73	1.93	—	16,712	16,712	0.44	1.13	0.84	17,059
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	4.15	4.05	23.4	199	0.39	0.79	11.8	12.6	0.79	4.96	5.75	—	43,109	43,109	1.70	0.79	4.87	43,391
2024	6.59	6.09	22.8	167	0.25	0.50	17.0	17.5	0.50	5.09	5.59	—	38,491	38,491	1.52	1.41	26.4	38,975
2025	7.16	6.28	19.5	113	0.10	0.20	19.8	20.0	0.20	4.73	4.92	—	30,123	30,123	1.18	1.88	39.8	30,753
2026	6.00	10.9	17.0	92.3	0.10	0.18	17.5	17.7	0.18	4.20	4.38	—	26,646	26,646	0.56	1.79	32.8	27,225
2027	1.12	12.6	4.55	18.7	0.03	0.06	3.57	3.63	0.06	0.87	0.93	—	6,541	6,541	0.14	0.54	7.02	6,714
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

2023	0.76	0.74	4.27	36.3	0.07	0.14	2.16	2.30	0.14	0.91	1.05	—	7,137	7,137	0.28	0.13	0.81	7,184
2024	1.20	1.11	4.16	30.4	0.05	0.09	3.10	3.19	0.09	0.93	1.02	—	6,373	6,373	0.25	0.23	4.37	6,453
2025	1.31	1.15	3.55	20.6	0.02	0.04	3.61	3.65	0.04	0.86	0.90	—	4,987	4,987	0.20	0.31	6.59	5,092
2026	1.10	1.99	3.11	16.8	0.02	0.03	3.20	3.23	0.03	0.77	0.80	—	4,411	4,411	0.09	0.30	5.43	4,507
2027	0.21	2.31	0.83	3.41	0.01	0.01	0.65	0.66	0.01	0.16	0.17	—	1,083	1,083	0.02	0.09	1.16	1,112

3. Construction Emissions Details

3.1. Ph1 Mass 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	7.08	7.08	36.8	368	0.69	1.42	—	1.42	1.42	—	1.42	—	74,824	74,824	3.04	0.61	—	75,081
Dust From Material Movement:	—	—	—	—	—	—	19.7	19.7	—	8.36	8.36	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	7.08	7.08	36.8	368	0.69	1.42	—	1.42	1.42	—	1.42	—	74,824	74,824	3.04	0.61	—	75,081
Dust From Material Movement:	—	—	—	—	—	—	19.7	19.7	—	8.36	8.36	—	—	—	—	—	—	—

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	2.96	2.96	15.4	154	0.29	0.59	—	0.59	0.59	—	0.59	—	31,335	31,335	1.27	0.25	—	31,443
Dust From Material Movement:	—	—	—	—	—	—	8.27	8.27	—	3.50	3.50	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	0.54	2.81	28.1	0.05	0.11	—	0.11	0.11	—	0.11	—	5,188	5,188	0.21	0.04	—	5,206
Dust From Material Movement:	—	—	—	—	—	—	1.51	1.51	—	0.64	0.64	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.48	0.44	0.44	7.48	0.00	0.00	1.08	1.08	0.00	0.25	0.25	—	1,212	1,212	0.05	0.04	5.20	1,231
Vendor	0.19	0.11	4.18	1.30	0.03	0.05	0.98	1.03	0.05	0.27	0.32	—	3,581	3,581	0.08	0.53	9.97	3,751
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.46	0.42	0.51	5.67	0.00	0.00	1.08	1.08	0.00	0.25	0.25	—	1,114	1,114	0.05	0.04	0.13	1,127
Vendor	0.18	0.10	4.38	1.34	0.03	0.05	0.98	1.03	0.05	0.27	0.32	—	3,583	3,583	0.08	0.53	0.26	3,744

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.21	2.49	0.00	0.00	0.45	0.45	0.00	0.11	0.11	—	472	472	0.02	0.02	0.94	479
Vendor	0.08	0.04	1.84	0.55	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,500	1,500	0.03	0.22	1.81	1,569
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.04	0.45	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	78.2	78.2	< 0.005	< 0.005	0.16	79.3
Vendor	0.01	0.01	0.34	0.10	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	248	248	0.01	0.04	0.30	260
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Ph1 Mass Grading (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	7.08	7.08	36.8	368	0.69	1.42	—	1.42	1.42	—	1.42	—	74,812	74,812	3.03	0.61	—	75,069
Dust From Material Movement:	—	—	—	—	—	—	19.7	19.7	—	8.36	8.36	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.90	0.90	4.68	46.8	0.09	0.18	—	0.18	0.18	—	0.18	—	9,516	9,516	0.39	0.08	—	9,549
Dust From Material Movement:	—	—	—	—	—	—	2.51	2.51	—	1.06	1.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	0.85	8.54	0.02	0.03	—	0.03	0.03	—	0.03	—	1,576	1,576	0.06	0.01	—	1,581
Dust From Material Movement:	—	—	—	—	—	—	0.46	0.46	—	0.19	0.19	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.40	0.47	5.21	0.00	0.00	1.08	1.08	0.00	0.25	0.25	—	1,091	1,091	0.05	0.04	0.12	1,105
Vendor	0.15	0.10	4.20	1.28	0.03	0.05	0.98	1.03	0.05	0.27	0.32	—	3,542	3,542	0.08	0.53	0.26	3,703
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.70	0.00	0.00	0.14	0.14	0.00	0.03	0.03	—	141	141	0.01	0.01	0.26	143
Vendor	0.02	0.01	0.53	0.16	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	450	450	0.01	0.07	0.55	471
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.01	0.01	0.01	0.13	0.00	0.00	0.02	0.02	0.00	0.01	0.01	—	23.3	23.3	< 0.005	< 0.005	0.04	23.6
Vendor	< 0.005	< 0.005	0.10	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	74.6	74.6	< 0.005	0.01	0.09	78.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Ph1 Blasting (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.85	1.85	9.61	96.1	0.18	0.37	—	0.37	0.37	—	0.37	—	19,446	19,446	0.79	0.16	—	19,512
Dust From Material Movement:	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.85	1.85	9.61	96.1	0.18	0.37	—	0.37	0.37	—	0.37	—	19,446	19,446	0.79	0.16	—	19,512
Dust From Material Movement:	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.77	0.77	4.03	40.3	0.08	0.15	—	0.15	0.15	—	0.15	—	8,144	8,144	0.33	0.07	—	8,172
Dust From Material Movement:	—	—	—	—	—	—	2.14	2.14	—	1.10	1.10	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	0.73	7.35	0.01	0.03	—	0.03	0.03	—	0.03	—	1,348	1,348	0.05	0.01	—	1,353
Dust From Material Movement:	—	—	—	—	—	—	0.39	0.39	—	0.20	0.20	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.15	0.15	2.49	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	404	404	0.02	0.01	1.73	410
Vendor	0.19	0.11	4.18	1.30	0.03	0.05	0.98	1.03	0.05	0.27	0.32	—	3,581	3,581	0.08	0.53	9.97	3,751
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.14	0.17	1.89	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	371	371	0.02	0.01	0.04	376
Vendor	0.18	0.10	4.38	1.34	0.03	0.05	0.98	1.03	0.05	0.27	0.32	—	3,583	3,583	0.08	0.53	0.26	3,744
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.07	0.83	0.00	0.00	0.15	0.15	0.00	0.04	0.04	—	157	157	0.01	0.01	0.31	160

Vendor	0.08	0.04	1.84	0.55	0.01	0.02	0.41	0.43	0.02	0.11	0.13	—	1,500	1,500	0.03	0.22	1.81	1,569
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.15	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	26.1	26.1	< 0.005	< 0.005	0.05	26.4
Vendor	0.01	0.01	0.34	0.10	< 0.005	< 0.005	0.07	0.08	< 0.005	0.02	0.02	—	248	248	0.01	0.04	0.30	260
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.7. Ph1 Blasting (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.85	1.85	9.61	96.1	0.18	0.37	—	0.37	0.37	—	0.37	—	19,454	19,454	0.79	0.16	—	19,521
Dust From Material Movement:	—	—	—	—	—	—	5.11	5.11	—	2.63	2.63	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.24	1.22	12.2	0.02	0.05	—	0.05	0.05	—	0.05	—	2,475	2,475	0.10	0.02	—	2,483

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Dust From Material Movement:	—	—	—	—	—	—	0.65	0.65	—	0.33	0.33	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.22	2.23	< 0.005	0.01	—	0.01	0.01	—	0.01	—	410	410	0.02	< 0.005	—	411
Dust From Material Movement:	—	—	—	—	—	—	0.12	0.12	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.15	0.13	0.16	1.74	0.00	0.00	0.36	0.36	0.00	0.08	0.08	—	364	364	0.02	0.01	0.04	368
Vendor	0.15	0.10	4.20	1.28	0.03	0.05	0.98	1.03	0.05	0.27	0.32	—	3,542	3,542	0.08	0.53	0.26	3,703
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	46.9	46.9	< 0.005	< 0.005	0.09	47.5
Vendor	0.02	0.01	0.53	0.16	< 0.005	0.01	0.12	0.13	0.01	0.03	0.04	—	450	450	0.01	0.07	0.55	471
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.76	7.76	< 0.005	< 0.005	0.01	7.87
Vendor	< 0.005	< 0.005	0.10	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	74.6	74.6	< 0.005	0.01	0.09	78.0

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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3.9. Ph2 Remedial Grading (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e	
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.93	3.93	20.5	205	0.38	0.79	—	0.79	0.79	—	0.79	—	41,586	41,586	1.69	0.34	—	41,729	
Dust From Material Movement:	—	—	—	—	—	—	10.7	10.7	—	4.62	4.62	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.93	3.93	20.5	205	0.38	0.79	—	0.79	0.79	—	0.79	—	41,586	41,586	1.69	0.34	—	41,729	
Dust From Material Movement:	—	—	—	—	—	—	10.7	10.7	—	4.62	4.62	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.72	0.72	3.76	37.6	0.07	0.14	—	0.14	0.14	—	0.14	—	7,634	7,634	0.31	0.06	—	7,660	

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Dust From Material Movement:	—	—	—	—	—	—	1.97	1.97	—	0.85	0.85	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.13	0.69	6.85	0.01	0.03	—	0.03	0.03	—	0.03	—	1,264	1,264	0.05	0.01	—	1,268
Dust From Material Movement:	—	—	—	—	—	—	0.36	0.36	—	0.15	0.15	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.27	0.24	0.23	3.97	0.00	0.00	0.62	0.62	0.00	0.15	0.15	—	684	684	0.03	0.02	2.71	694
Vendor	0.05	0.03	1.34	0.42	0.01	0.02	0.33	0.34	0.02	0.09	0.11	—	1,180	1,180	0.03	0.18	3.32	1,236
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.23	0.27	3.00	0.00	0.00	0.62	0.62	0.00	0.15	0.15	—	628	628	0.03	0.02	0.07	636
Vendor	0.05	0.03	1.40	0.43	0.01	0.02	0.33	0.34	0.02	0.09	0.11	—	1,181	1,181	0.03	0.18	0.09	1,234
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.04	0.05	0.58	0.00	0.00	0.11	0.11	0.00	0.03	0.03	—	117	117	0.01	< 0.005	0.22	118
Vendor	0.01	0.01	0.26	0.08	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	217	217	< 0.005	0.03	0.26	227
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.11	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	19.3	19.3	< 0.005	< 0.005	0.04	19.6
Vendor	< 0.005	< 0.005	0.05	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.9	35.9	< 0.005	0.01	0.04	37.5
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Ph2 Building Construction (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	4.94	36.8	0.07	0.12	—	0.12	0.12	—	0.12	—	6,445	6,445	0.26	0.05	—	6,467
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	4.94	36.8	0.07	0.12	—	0.12	0.12	—	0.12	—	6,445	6,445	0.26	0.05	—	6,467
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.26	0.26	2.01	15.0	0.03	0.05	—	0.05	0.05	—	0.05	—	2,623	2,623	0.11	0.02	—	2,632
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.37	2.73	< 0.005	0.01	—	0.01	0.01	—	0.01	—	434	434	0.02	< 0.005	—	436

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	10.7	9.75	9.18	159	0.00	0.00	24.9	24.9	0.00	5.83	5.83	—	27,376	27,376	1.15	0.94	109	27,794
Vendor	0.49	0.32	12.4	3.85	0.08	0.16	3.01	3.17	0.16	0.83	0.99	—	10,929	10,929	0.24	1.64	30.8	11,453
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	10.1	9.16	10.8	120	0.00	0.00	24.9	24.9	0.00	5.83	5.83	—	25,159	25,159	1.20	0.94	2.82	25,473
Vendor	0.47	0.31	13.0	3.94	0.08	0.16	3.01	3.17	0.16	0.83	0.99	—	10,936	10,936	0.24	1.65	0.80	11,433
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.11	3.71	4.40	51.4	0.00	0.00	10.1	10.1	0.00	2.36	2.36	—	10,372	10,372	0.49	0.38	19.1	10,517
Vendor	0.19	0.13	5.27	1.59	0.03	0.06	1.22	1.28	0.06	0.34	0.40	—	4,450	4,450	0.10	0.67	5.39	4,656
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.75	0.68	0.80	9.39	0.00	0.00	1.83	1.83	0.00	0.43	0.43	—	1,717	1,717	0.08	0.06	3.16	1,741
Vendor	0.04	0.02	0.96	0.29	0.01	0.01	0.22	0.23	0.01	0.06	0.07	—	737	737	0.02	0.11	0.89	771
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Ph2 Building Construction (2025) - Unmitigated

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	4.94	36.8	0.07	0.12	—	0.12	0.12	—	0.12	—	6,444	6,444	0.26	0.05	—	6,466
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	4.94	36.8	0.07	0.12	—	0.12	0.12	—	0.12	—	6,444	6,444	0.26	0.05	—	6,466
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.45	0.45	3.53	26.3	0.05	0.09	—	0.09	0.09	—	0.09	—	4,603	4,603	0.19	0.04	—	4,619
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	0.64	4.79	0.01	0.02	—	0.02	0.02	—	0.02	—	762	762	0.03	0.01	—	765
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	10.2	8.51	8.32	147	0.00	0.00	24.9	24.9	0.00	5.83	5.83	—	26,806	26,806	1.11	0.94	98.5	27,214
Vendor	0.49	0.23	11.8	3.68	0.08	0.16	3.01	3.17	0.16	0.83	0.99	—	10,769	10,769	0.24	1.64	30.6	11,294
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	8.99	8.01	9.18	111	0.00	0.00	24.9	24.9	0.00	5.83	5.83	—	24,643	24,643	1.15	0.94	2.55	24,955
Vendor	0.47	0.22	12.4	3.78	0.08	0.16	3.01	3.17	0.16	0.83	0.99	—	10,777	10,777	0.24	1.64	0.79	11,271
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	6.36	5.66	7.11	83.8	0.00	0.00	17.6	17.6	0.00	4.13	4.13	—	17,826	17,826	0.82	0.67	30.3	18,078
Vendor	0.34	0.17	8.83	2.66	0.06	0.11	2.14	2.25	0.11	0.59	0.70	—	7,695	7,695	0.17	1.17	9.46	8,057
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.16	1.03	1.30	15.3	0.00	0.00	3.22	3.22	0.00	0.75	0.75	—	2,951	2,951	0.14	0.11	5.02	2,993
Vendor	0.06	0.03	1.61	0.49	0.01	0.02	0.39	0.41	0.02	0.11	0.13	—	1,274	1,274	0.03	0.19	1.57	1,334
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Ph2 Building Construction (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.63	0.63	4.94	36.8	0.07	0.12	—	0.12	0.12	—	0.12	—	6,444	6,444	0.26	0.05	—	6,466
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Off-Road Equipment	0.63	0.63	4.94	36.8	0.07	0.12	—	0.12	0.12	—	0.12	—	6,444	6,444	0.26	0.05	—	6,466
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.35	0.35	2.78	20.7	0.04	0.07	—	0.07	0.07	—	0.07	—	3,632	3,632	0.15	0.03	—	3,644
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	0.51	3.78	0.01	0.01	—	0.01	0.01	—	0.01	—	601	601	0.02	< 0.005	—	603
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	8.95	8.05	7.46	137	0.00	0.00	24.9	24.9	0.00	5.83	5.83	—	26,231	26,231	1.11	0.90	88.9	26,616
Vendor	0.49	0.23	11.3	3.51	0.08	0.16	3.01	3.17	0.16	0.83	0.99	—	10,596	10,596	0.24	1.64	29.0	11,119
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	8.53	7.59	8.32	104	0.00	0.00	24.9	24.9	0.00	5.83	5.83	—	24,120	24,120	0.38	0.94	2.31	24,412
Vendor	0.47	0.21	11.8	3.60	0.08	0.16	3.01	3.17	0.16	0.83	0.99	—	10,604	10,604	0.24	1.64	0.75	11,098
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	4.79	4.25	5.13	61.1	0.00	0.00	13.9	13.9	0.00	3.26	3.26	—	13,766	13,766	0.21	0.53	21.6	13,952
Vendor	0.27	0.12	6.68	2.00	0.04	0.09	1.69	1.78	0.09	0.47	0.56	—	5,974	5,974	0.13	0.92	7.02	6,259

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.87	0.78	0.94	11.1	0.00	0.00	2.54	2.54	0.00	0.60	0.60	—	2,279	2,279	0.04	0.09	3.58	2,310
Vendor	0.05	0.02	1.22	0.37	0.01	0.02	0.31	0.32	0.02	0.09	0.10	—	989	989	0.02	0.15	1.16	1,036
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.17. Ph2 Paving (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.47	2.43	34.6	0.05	0.09	—	0.09	0.09	—	0.09	—	4,937	4,937	0.20	0.04	—	4,954
Paving	—	12.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.47	2.43	34.6	0.05	0.09	—	0.09	0.09	—	0.09	—	4,937	4,937	0.20	0.04	—	4,954
Paving	—	12.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	0.28	3.98	0.01	0.01	—	0.01	0.01	—	0.01	—	568	568	0.02	< 0.005	—	570
Paving	—	1.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.05	0.73	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	94.1	94.1	< 0.005	< 0.005	—	94.4
Paving	—	0.26	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.99	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	406	406	< 0.005	0.01	1.26	412
Vendor	0.03	0.01	0.74	0.23	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	709	709	0.02	0.11	1.81	743
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.12	1.51	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	373	373	0.01	0.01	0.03	378
Vendor	0.03	0.01	0.78	0.24	0.01	0.01	0.21	0.22	0.01	0.06	0.07	—	710	710	0.02	0.11	0.05	742
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	43.5	43.5	< 0.005	< 0.005	0.06	44.1
Vendor	< 0.005	< 0.005	0.09	0.03	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	81.6	81.6	< 0.005	0.01	0.09	85.4
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.20	7.20	< 0.005	< 0.005	0.01	7.30
Vendor	< 0.005	< 0.005	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	13.5	13.5	< 0.005	< 0.005	0.01	14.1
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.19. Ph2 Architectural Coating (2026) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.34	4.89	0.01	0.01	—	0.01	0.01	—	0.01	—	751	751	0.03	0.01	—	753
Architect ural Coatings	—	18.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.34	4.89	0.01	0.01	—	0.01	0.01	—	0.01	—	751	751	0.03	0.01	—	753
Architect ural Coatings	—	18.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.10	1.46	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	225	225	0.01	< 0.005	—	225
Architect ural Coatings	—	5.66	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	37.2	37.2	< 0.005	< 0.005	—	37.3
Architectural Coatings	—	1.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.79	1.61	1.49	27.3	0.00	0.00	4.97	4.97	0.00	1.17	1.17	—	5,246	5,246	0.22	0.18	17.8	5,323
Vendor	0.24	0.11	5.66	1.75	0.04	0.08	1.51	1.58	0.08	0.42	0.50	—	5,298	5,298	0.12	0.82	14.5	5,559
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.71	1.52	1.66	20.7	0.00	0.00	4.97	4.97	0.00	1.17	1.17	—	4,824	4,824	0.08	0.19	0.46	4,882
Vendor	0.24	0.11	5.90	1.80	0.04	0.08	1.51	1.58	0.08	0.42	0.50	—	5,302	5,302	0.12	0.82	0.38	5,549
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.51	0.45	0.54	6.49	0.00	0.00	1.48	1.48	0.00	0.35	0.35	—	1,463	1,463	0.02	0.06	2.30	1,482
Vendor	0.07	0.03	1.78	0.53	0.01	0.02	0.45	0.47	0.02	0.12	0.15	—	1,587	1,587	0.04	0.25	1.86	1,663
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.10	1.18	0.00	0.00	0.27	0.27	0.00	0.06	0.06	—	242	242	< 0.005	0.01	0.38	245
Vendor	0.01	0.01	0.32	0.10	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	263	263	0.01	0.04	0.31	275
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.21. Ph2 Architectural Coating (2027) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.34	4.89	0.01	0.01	—	0.01	0.01	—	0.01	—	751	751	0.03	0.01	—	753
Architect ural Coatings	—	18.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.34	4.89	0.01	0.01	—	0.01	0.01	—	0.01	—	751	751	0.03	0.01	—	753
Architect ural Coatings	—	18.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.19	2.66	0.01	0.01	—	0.01	0.01	—	0.01	—	408	408	0.02	< 0.005	—	410
Architect ural Coatings	—	10.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.49	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	67.6	67.6	< 0.005	< 0.005	—	67.8
Architectural Coatings	—	1.88	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.72	1.53	1.32	25.3	0.00	0.00	4.97	4.97	0.00	1.17	1.17	—	5,149	5,149	0.06	0.18	16.0	5,220
Vendor	0.24	0.11	5.44	1.71	0.04	0.08	1.51	1.58	0.08	0.42	0.50	—	5,201	5,201	0.12	0.78	13.2	5,450
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.63	1.44	1.49	19.1	0.00	0.00	4.97	4.97	0.00	1.17	1.17	—	4,736	4,736	0.07	0.18	0.41	4,791
Vendor	0.23	0.10	5.68	1.76	0.04	0.08	1.51	1.58	0.08	0.42	0.50	—	5,205	5,205	0.12	0.78	0.34	5,440
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.89	0.78	0.90	10.9	0.00	0.00	2.69	2.69	0.00	0.63	0.63	—	2,609	2,609	0.04	0.10	3.75	2,643
Vendor	0.13	0.06	3.09	0.94	0.02	0.04	0.81	0.86	0.04	0.23	0.27	—	2,830	2,830	0.07	0.42	3.11	2,962
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.16	0.14	0.16	1.99	0.00	0.00	0.49	0.49	0.00	0.11	0.11	—	432	432	0.01	0.02	0.62	438
Vendor	0.02	0.01	0.56	0.17	< 0.005	0.01	0.15	0.16	0.01	0.04	0.05	—	469	469	0.01	0.07	0.51	490
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Ph1 Mass Grading	Grading	6/1/2023	3/5/2024	5.00	199	—
Ph1 Blasting	Grading	6/1/2023	3/5/2024	5.00	199	—
Ph2 Remedial Grading	Grading	3/6/2024	6/6/2024	5.00	67.0	—
Ph2 Building Construction	Building Construction	6/7/2024	10/15/2026	5.00	615	—
Ph2 Paving	Paving	8/9/2027	10/5/2027	5.00	42.0	—
Ph2 Architectural Coating	Architectural Coating	8/1/2026	10/5/2027	5.00	307	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Ph1 Mass Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	8.00	8.00	670	0.40

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Ph1 Mass Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	425	0.37
Ph1 Mass Grading	Excavators	Diesel	Tier 4 Final	4.00	8.00	400	0.38
Ph1 Mass Grading	Scrapers	Diesel	Tier 4 Final	16.0	8.00	570	0.48
Ph1 Mass Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	425	0.40
Ph1 Mass Grading	Off-Highway Trucks	Diesel	Tier 4 Final	3.00	8.00	500	0.38
Ph1 Blasting	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	670	0.40
Ph1 Blasting	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	2.00	8.00	400	0.37
Ph1 Blasting	Off-Highway Trucks	Diesel	Tier 4 Final	3.00	8.00	425	0.38
Ph1 Blasting	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	600	0.40
Ph1 Blasting	Bore/Drill Rigs	Diesel	Tier 4 Final	3.00	8.00	360	0.50
Ph2 Remedial Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	425	0.37
Ph2 Remedial Grading	Excavators	Diesel	Tier 4 Final	2.00	8.00	400	0.38
Ph2 Remedial Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	4.00	8.00	670	0.40
Ph2 Remedial Grading	Scrapers	Diesel	Tier 4 Final	8.00	8.00	570	0.48
Ph2 Remedial Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	425	0.40
Ph2 Remedial Grading	Off-Highway Trucks	Diesel	Tier 4 Final	3.00	8.00	500	0.38
Ph2 Building Construction	Cranes	Diesel	Tier 4 Final	2.00	8.00	231	0.29
Ph2 Building Construction	Forklifts	Diesel	Tier 4 Final	6.00	8.00	89.0	0.20
Ph2 Building Construction	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	84.0	0.74
Ph2 Building Construction	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Ph2 Building Construction	Crawler Tractors	Diesel	Tier 4 Final	3.00	8.00	212	0.43
Ph2 Paving	Pavers	Diesel	Tier 4 Final	4.00	8.00	130	0.42
Ph2 Paving	Paving Equipment	Diesel	Tier 4 Final	4.00	8.00	132	0.36

Ph2 Paving	Rollers	Diesel	Tier 4 Final	4.00	8.00	80.0	0.38
Ph2 Architectural Coating	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	78.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

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

Ph2 Architectural Coating	—	—	—	—
Ph2 Architectural Coating	Worker	380	18.5	LDA,LDT1,LDT2
Ph2 Architectural Coating	Vendor	176	10.2	HHDT,MHDT
Ph2 Architectural Coating	Hauling	0.00	20.0	HHDT
Ph2 Architectural Coating	Onsite truck	—	—	HHDT
Ph2 Paving	—	—	—	—
Ph2 Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Ph2 Paving	Vendor	24.0	10.2	HHDT,MHDT
Ph2 Paving	Hauling	0.00	20.0	HHDT
Ph2 Paving	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Ph2 Architectural Coating	0.00	0.00	7,479,975	2,493,325	509,160

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (cy)	Material Exported (cy)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Ph1 Mass Grading	—	—	3,980	0.00	—
Ph1 Blasting	—	—	3,980	0.00	—
Ph2 Remedial Grading	—	—	3,980	0.00	—

Ph2 Paving	0.00	0.00	0.00	0.00	195
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5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Office Park	0.00	0%
Regional Shopping Center	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Refrigerated Warehouse-No Rail	0.00	0%
City Park	0.00	0%
Other Asphalt Surfaces	195	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2023	0.00	532	0.03	< 0.005
2024	0.00	532	0.03	< 0.005
2025	0.00	532	0.03	< 0.005
2026	0.00	532	0.03	< 0.005
2027	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

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

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

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

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

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

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

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

6.3. Adjusted Climate Risk Scores

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

Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	1	1	1	2

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	97.6
AQ-PM	59.8
AQ-DPM	40.3
Drinking Water	70.7
Lead Risk Housing	53.6
Pesticides	13.2
Toxic Releases	64.0
Traffic	82.0
Effect Indicators	—
CleanUp Sites	82.5
Groundwater	97.9

Haz Waste Facilities/Generators	87.9
Impaired Water Bodies	0.00
Solid Waste	84.9
Sensitive Population	—
Asthma	71.5
Cardio-vascular	86.8
Low Birth Weights	97.0
Socioeconomic Factor Indicators	—
Education	82.5
Housing	59.7
Linguistic	82.8
Poverty	89.3
Unemployment	81.0

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	8.353650712
Employed	6.480174516
Median HI	22.3662261
Education	—
Bachelor's or higher	30.14243552
High school enrollment	100
Preschool enrollment	10.97138458
Transportation	—
Auto Access	10.29128705

Active commuting	87.46310792
Social	—
2-parent households	6.223533941
Voting	6.13370974
Neighborhood	—
Alcohol availability	44.43731554
Park access	43.37225715
Retail density	18.60644168
Supermarket access	67.43231105
Tree canopy	3.977928911
Housing	—
Homeownership	8.353650712
Housing habitability	10.4452714
Low-inc homeowner severe housing cost burden	45.06608495
Low-inc renter severe housing cost burden	46.23379956
Uncrowded housing	21.62196843
Health Outcomes	—
Insured adults	12.4085718
Arthritis	51.7
Asthma ER Admissions	24.0
High Blood Pressure	30.0
Cancer (excluding skin)	80.0
Asthma	9.8
Coronary Heart Disease	57.7
Chronic Obstructive Pulmonary Disease	27.0
Diagnosed Diabetes	31.9
Life Expectancy at Birth	7.4

Cognitively Disabled	15.9
Physically Disabled	19.5
Heart Attack ER Admissions	20.1
Mental Health Not Good	14.9
Chronic Kidney Disease	35.4
Obesity	8.3
Pedestrian Injuries	77.2
Physical Health Not Good	20.0
Stroke	29.9
Health Risk Behaviors	—
Binge Drinking	63.5
Current Smoker	15.5
No Leisure Time for Physical Activity	16.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	18.1
Elderly	24.3
English Speaking	44.9
Foreign-born	53.3
Outdoor Workers	18.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	73.9
Traffic Density	76.9
Traffic Access	61.5
Other Indices	—
Hardship	89.9

Other Decision Support	—
2016 Voting	11.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	98.0
Healthy Places Index Score for Project Location (b)	5.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Based on Project site plan
Construction: Construction Phases	Construction schedule based on data provided by the Project team
Construction: Off-Road Equipment	Construction equipment based on data provided by the Project team
Construction: Dust From Material Movement	Total acres grading based on equipment list

Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for each phase.
Construction: Architectural Coatings	Project will utilize super-compliant coatings.

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APPENDIX 5.2:
BLASTING EMISSIONS CALCULATIONS

BLASTING PM10 and PM2.5

E = $.000014(A)^{1.5} \cdot .52$ lbs PM10/lbs TSP

E = PM10 emissions, lbs/total

A = Area to be blasted (SF)

A (day) = 40,000

E = 58.24 lbs PM10/day without watering

E = 12.23 lbs PM2.5/day without watering

CE = 50.00% pre-wetting blasting areas and stabilizing soils once blasting is complete
(Source:Western regional Air Partnership)

E (PM10) = 29.12 lbs of PM10/day with watering

E (PM2.5) = 6.115 lbs of PM2.5/day with watering

BLASTING NOX, SOX, and CO

E = (Blasts/year) * (avg. charges/blast) * (avg. lbs./charge) * 1/2000(lbs to tons conversion) *EF

		ANFO Emission Factors (EF)	
Blasts/year	75	CO	67 (lb released/tons used)
Maxlbs./blastcharge	25	NOX	17 (lb released/tons used)
		SOX	2 (lb released/tons used)

E (CO) = 62.81 lbs of CO released per year

E (NOX) = 15.94 lbs of NOX released per year

E (SOX) = 1.88 lbs of SOX released per year

E (CO) = 0.84 lbs of CO released per day

E (NOX) = 0.21 lbs of NOX released per day

E (SOX) = 0.03 lbs of SOX released per day

BLASTING CO2

E = (Blasts/year) * (avg. charges/blast) * (avg. lbs./charge) * 1/2000(lbs to tons conversion) *EF

		ANFO Emission Factors (EF) Climate Registry	
Blasts/year	75	CO2	10.21 (kg CO2/gallons)
Maxlbs./blastcharge	25	CO2	22.50917 (lbs CO2/gallons)
% Diesel Fuel Oil No.2	6%		
Density of Diesel (lbs/gal)	7.1		
Gal of Diesel Fuel Oil No.2/blast	0.2		

E (CO2) = 356.66 lbs of CO2 released per year

E (CO2) = 0.16 MT of CO2 released per year

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APPENDIX 5.3:

CALEEMOD OPERATIONS EMISSIONS MODEL OUTPUTS

14064 West Campus Upper Plateau Ops Unmitigated Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14064 West Campus Upper Plateau Ops Unmitigated
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	10.0
Location	33.907344901223, -117.30803322631292
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5480
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	1,763	1000sqft	40.5	1,763,170	0.00	—	—	—

Regional Shopping Center	161	1000sqft	3.69	160,920	0.00	—	—	—
Unrefrigerated Warehouse-No Rail	2,563	1000sqft	58.8	2,562,560	0.00	—	—	—
Refrigerated Warehouse-No Rail	500	1000sqft	11.5	500,000	0.00	—	—	—
City Park	60.3	Acre	60.3	0.00	2,625,801	0.00	—	—
Other Asphalt Surfaces	8,486	1000sqft	195	0.00	0.00	—	—	—
User Defined Industrial	3,063	User Defined Unit	0.00	0.00	0.00	—	—	—
User Defined Commercial	1,763	User Defined Unit	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.	256	351	371	2,429	7.02	9.04	571	580	8.61	145	154	4,510	773,351	777,861	481	47.6	2,408	806,469
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	209	307	389	1,827	6.64	8.66	571	580	8.32	145	154	4,510	734,906	739,416	481	48.4	562	766,420

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	155	260	247	1,410	4.54	4.79	385	390	4.49	98.0	102	4,510	518,474	522,984	474	35.5	1,069	546,480
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	28.3	47.5	45.1	257	0.83	0.87	70.3	71.2	0.82	17.9	18.7	747	85,839	86,586	78.5	5.87	177	90,476

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	196	174	308	2,148	6.90	5.67	571	577	5.35	145	151	—	709,893	709,893	19.4	42.1	1,895	724,817
Area	38.6	158	1.82	217	0.01	0.39	—	0.39	0.29	—	0.29	—	892	892	0.04	0.01	—	895
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,500	43,500	4.15	0.50	—	43,754
Water	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Off-Road	1.02	0.85	8.63	17.2	0.02	0.24	—	0.24	0.22	—	0.22	—	2,613	2,613	0.11	0.02	—	2,622
Stationary	20.6	18.7	52.3	47.7	0.09	2.75	0.00	2.75	2.75	0.00	2.75	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	256	351	371	2,429	7.02	9.04	571	580	8.61	145	154	4,510	773,351	777,861	481	47.6	2,408	806,469
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	187	166	328	1,762	6.52	5.67	571	577	5.35	145	151	—	672,340	672,340	19.8	42.9	49.1	685,663
Area	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,500	43,500	4.15	0.50	—	43,754

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Water	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Off-Road	1.02	0.85	8.63	17.2	0.02	0.24	—	0.24	0.22	—	0.22	—	2,613	2,613	0.11	0.02	—	2,622
Stationary	20.6	18.7	52.3	47.7	0.09	2.75	0.00	2.75	2.75	0.00	2.75	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	209	307	389	1,827	6.64	8.66	571	580	8.32	145	154	4,510	734,906	739,416	481	48.4	562	766,420
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	125	110	230	1,237	4.50	3.91	385	389	3.70	98.0	102	—	463,557	463,557	13.4	30.0	556	473,397
Area	26.4	147	1.25	149	0.01	0.26	—	0.26	0.20	—	0.20	—	611	611	0.03	0.01	—	613
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,500	43,500	4.15	0.50	—	43,754
Water	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Off-Road	1.02	0.85	8.63	17.2	0.02	0.24	—	0.24	0.22	—	0.22	—	2,613	2,613	0.11	0.02	—	2,622
Stationary	2.82	2.56	7.16	6.53	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	1,311	1,311	0.05	0.01	0.00	1,315
Total	155	260	247	1,410	4.54	4.79	385	390	4.49	98.0	102	4,510	518,474	522,984	474	35.5	1,069	546,480
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	22.8	20.1	42.0	226	0.82	0.71	70.3	71.0	0.67	17.9	18.6	—	76,747	76,747	2.21	4.97	92.1	78,376
Area	4.83	26.8	0.23	27.1	< 0.005	0.05	—	0.05	0.04	—	0.04	—	101	101	< 0.005	< 0.005	—	101
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	7,202	7,202	0.69	0.08	—	7,244
Water	—	—	—	—	—	—	—	—	—	—	—	328	1,139	1,467	33.7	0.81	—	2,553
Waste	—	—	—	—	—	—	—	—	—	—	—	419	0.00	419	41.8	0.00	—	1,465
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.9	84.9
Off-Road	0.19	0.16	1.58	3.15	< 0.005	0.04	—	0.04	0.04	—	0.04	—	433	433	0.02	< 0.005	—	434
Stationary	0.51	0.47	1.31	1.19	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	217	217	0.01	< 0.005	0.00	218

Total	28.3	47.5	45.1	257	0.83	0.87	70.3	71.2	0.82	17.9	18.7	747	85,839	86,586	78.5	5.87	177	90,476
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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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	87.6	78.8	50.0	1,128	2.68	1.04	275	276	0.96	69.4	70.3	—	271,472	271,472	7.63	5.52	731	274,037
Regional Shopping Center	47.8	44.2	36.2	342	0.89	0.62	79.9	80.5	0.58	20.3	20.9	—	90,520	90,520	3.61	4.02	259	92,068
Unrefrigerated Warehouse-No Rail	19.4	17.5	11.1	250	0.60	0.23	61.0	61.2	0.21	15.4	15.6	—	60,220	60,220	1.69	1.22	162	60,789
Refrigerated Warehouse-No Rail	2.97	2.67	1.69	38.3	0.09	0.04	9.33	9.36	0.03	2.35	2.39	—	9,210	9,210	0.26	0.19	24.8	9,297
City Park	30.6	27.1	34.1	340	0.96	0.65	88.0	88.6	0.61	22.3	22.9	—	98,353	98,353	3.07	3.94	285	99,889
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

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User Defined Industrial	4.80	2.52	115	31.6	1.10	2.03	38.0	40.0	1.94	10.2	12.1	—	118,328	118,328	2.04	17.9	285	123,991
User Defined Commercial	2.51	1.32	60.1	16.5	0.58	1.06	19.8	20.9	1.02	5.31	6.32	—	61,790	61,790	1.06	9.33	149	64,747
Total	196	174	308	2,148	6.90	5.67	571	577	5.35	145	151	—	709,893	709,893	19.4	42.1	1,895	724,817
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	84.4	75.6	55.5	912	2.48	1.04	275	276	0.96	69.4	70.3	—	250,667	250,667	7.82	5.93	18.9	252,648
Regional Shopping Center	45.1	41.5	38.7	291	0.83	0.62	79.9	80.5	0.58	20.3	20.9	—	85,063	85,063	3.76	4.15	6.71	86,400
Unrefrigerated Warehouse-No Rail	18.7	16.8	12.3	202	0.55	0.23	61.0	61.2	0.21	15.4	15.6	—	55,605	55,605	1.73	1.32	4.20	56,044
Refrigerated Warehouse-No Rail	2.86	2.56	1.88	30.9	0.08	0.04	9.33	9.36	0.03	2.35	2.39	—	8,504	8,504	0.27	0.20	0.64	8,571
City Park	29.1	25.7	36.6	278	0.90	0.65	88.0	88.6	0.61	22.3	22.9	—	92,328	92,328	3.13	4.06	7.39	93,625
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	4.69	2.43	120	31.8	1.10	2.03	38.0	40.0	1.95	10.2	12.1	—	118,364	118,364	2.03	17.9	7.40	123,752
User Defined Commercial	2.45	1.27	62.8	16.6	0.58	1.06	19.8	20.9	1.02	5.31	6.32	—	61,809	61,809	1.06	9.34	3.86	64,622
Total	187	166	328	1,762	6.52	5.67	571	577	5.35	145	151	—	672,340	672,340	19.8	42.9	49.1	685,663

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Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	11.3	10.1	7.69	128	0.34	0.14	36.7	36.9	0.13	9.27	9.39	—	30,929	30,929	0.96	0.74	38.5	31,212
Regional Shopping Center	4.95	4.56	4.22	32.2	0.09	0.07	8.35	8.42	0.06	2.12	2.18	—	8,212	8,212	0.37	0.41	10.7	8,353
Unrefrigerated Warehouse-No Rail	2.48	2.22	1.69	28.1	0.07	0.03	8.08	8.11	0.03	2.04	2.07	—	6,808	6,808	0.21	0.16	8.47	6,870
Refrigerated Warehouse-No Rail	0.38	0.34	0.26	4.29	0.01	< 0.005	1.24	1.24	< 0.005	0.31	0.32	—	1,041	1,041	0.03	0.02	1.29	1,051
City Park	2.74	2.41	3.53	27.3	0.09	0.06	8.26	8.32	0.06	2.10	2.15	—	7,989	7,989	0.27	0.35	10.5	8,111
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	0.63	0.33	16.1	4.19	0.15	0.27	5.01	5.28	0.26	1.34	1.60	—	14,230	14,230	0.24	2.15	14.8	14,892
User Defined Commercial	0.33	0.17	8.52	2.22	0.08	0.14	2.65	2.80	0.14	0.71	0.85	—	7,538	7,538	0.13	1.14	7.84	7,889
Total	22.8	20.1	42.0	226	0.82	0.71	70.3	71.0	0.67	17.9	18.6	—	76,747	76,747	2.21	4.97	92.1	78,376

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
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	16,029	16,029	1.53	0.19	—	—	16,123
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,851	1,851	0.18	0.02	—	—	1,862
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	5,640	5,640	0.54	0.07	—	—	5,673
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	18,894	18,894	1.80	0.22	—	—	19,004
City Park	—	—	—	—	—	—	—	—	—	—	—	—	1,086	1,086	0.10	0.01	—	—	1,092
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	43,500	43,500	4.15	0.50	—	—	43,754
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	16,029	16,029	1.53	0.19	—	—	16,123

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Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,851	1,851	0.18	0.02	—	1,862
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	5,640	5,640	0.54	0.07	—	5,673
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	18,894	18,894	1.80	0.22	—	19,004
City Park	—	—	—	—	—	—	—	—	—	—	—	—	1,086	1,086	0.10	0.01	—	1,092
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	43,500	43,500	4.15	0.50	—	43,754
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	2,654	2,654	0.25	0.03	—	2,669
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	307	307	0.03	< 0.005	—	308
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	934	934	0.09	0.01	—	939

Refrigerated	—	—	—	—	—	—	—	—	—	—	—	—	3,128	3,128	0.30	0.04	—	3,146
City Park	—	—	—	—	—	—	—	—	—	—	—	—	180	180	0.02	< 0.005	—	181
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,202	7,202	0.69	0.08	—	7,244

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

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Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	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
User Defined Commercial	0.00	0.00	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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

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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
User Defined Commercial	0.00	0.00	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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	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
User Defined Commercial	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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4.3. Area Emissions by Source

4.3.1. 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	—	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	13.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	38.6	35.6	1.82	217	0.01	0.39	—	0.39	0.29	—	0.29	—	892	892	0.04	0.01	—	895
Total	38.6	158	1.82	217	0.01	0.39	—	0.39	0.29	—	0.29	—	892	892	0.04	0.01	—	895
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	13.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	2.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.83	4.45	0.23	27.1	< 0.005	0.05	—	0.05	0.04	—	0.04	—	101	101	< 0.005	< 0.005	—	101
Total	4.83	26.8	0.23	27.1	< 0.005	0.05	—	0.05	0.04	—	0.04	—	101	101	< 0.005	< 0.005	—	101

4.4. Water Emissions by Land Use

4.4.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	600	2,023	2,624	61.8	1.49	—	4,611
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	22.8	77.0	99.8	2.35	0.06	—	175
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,136	3,826	4,962	117	2.81	—	8,719
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	222	747	968	22.8	0.55	—	1,701

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City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	210	210	0.02	< 0.005	—	211
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	600	2,023	2,624	61.8	1.49	—	4,611
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	22.8	77.0	99.8	2.35	0.06	—	175
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,136	3,826	4,962	117	2.81	—	8,719
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	222	747	968	22.8	0.55	—	1,701
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	210	210	0.02	< 0.005	—	211
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

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	99.4	335	434	10.2	0.25	—	763
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	3.78	12.7	16.5	0.39	0.01	—	29.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	188	633	821	19.3	0.47	—	1,444
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	36.7	124	160	3.77	0.09	—	282
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	34.7	34.7	< 0.005	< 0.005	—	34.9
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	328	1,139	1,467	33.7	0.81	—	2,553

4.5. Waste Emissions by Land Use

4.5.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	884	0.00	884	88.3	0.00	—	3,092
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.1	0.00	91.1	9.10	0.00	—	319
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,298	0.00	1,298	130	0.00	—	4,542
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	253	0.00	253	25.3	0.00	—	886
City Park	—	—	—	—	—	—	—	—	—	—	—	2.79	0.00	2.79	0.28	0.00	—	9.77
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	884	0.00	884	88.3	0.00	—	3,092
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.1	0.00	91.1	9.10	0.00	—	319
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,298	0.00	1,298	130	0.00	—	4,542
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	253	0.00	253	25.3	0.00	—	886
City Park	—	—	—	—	—	—	—	—	—	—	—	2.79	0.00	2.79	0.28	0.00	—	9.77
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	146	0.00	146	14.6	0.00	—	512
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	15.1	0.00	15.1	1.51	0.00	—	52.7

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	215	0.00	215	21.5	0.00	—	752
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	41.9	0.00	41.9	4.19	0.00	—	147
City Park	—	—	—	—	—	—	—	—	—	—	—	0.46	0.00	0.46	0.05	0.00	—	1.62
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	419	0.00	419	41.8	0.00	—	1,465

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61	0.61

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Refrigerated	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	510	510
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61	0.61
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	510	510
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.4	84.4
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.9	84.9

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	1.02	0.85	8.63	17.2	0.02	0.24	—	0.24	0.22	—	0.22	—	2,613	2,613	0.11	0.02	—	2,622
Total	1.02	0.85	8.63	17.2	0.02	0.24	—	0.24	0.22	—	0.22	—	2,613	2,613	0.11	0.02	—	2,622
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	1.02	0.85	8.63	17.2	0.02	0.24	—	0.24	0.22	—	0.22	—	2,613	2,613	0.11	0.02	—	2,622
Total	1.02	0.85	8.63	17.2	0.02	0.24	—	0.24	0.22	—	0.22	—	2,613	2,613	0.11	0.02	—	2,622
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.19	0.16	1.58	3.15	< 0.005	0.04	—	0.04	0.04	—	0.04	—	433	433	0.02	< 0.005	—	434
Total	0.19	0.16	1.58	3.15	< 0.005	0.04	—	0.04	0.04	—	0.04	—	433	433	0.02	< 0.005	—	434

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	20.6	18.7	52.3	47.7	0.09	2.75	0.00	2.75	2.75	0.00	2.75	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	20.6	18.7	52.3	47.7	0.09	2.75	0.00	2.75	2.75	0.00	2.75	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	20.6	18.7	52.3	47.7	0.09	2.75	0.00	2.75	2.75	0.00	2.75	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	20.6	18.7	52.3	47.7	0.09	2.75	0.00	2.75	2.75	0.00	2.75	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.51	0.47	1.31	1.19	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	217	217	0.01	< 0.005	0.00	218
Total	0.51	0.47	1.31	1.19	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	217	217	0.01	< 0.005	0.00	218

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
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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
Office Park	19,719	1,601	1,453	5,300,336	394,977	32,067	29,101	106,165,726
Regional Shopping Center	6,354	12,303	8,990	2,766,960	52,049	112,827	82,441	23,751,698

Unrefrigerated Warehouse-No Rail	4,374	359	144	1,166,629	87,617	7,186	2,874	23,367,583
Refrigerated Warehouse-No Rail	669	54.5	22.0	178,407	13,400	1,092	441	3,573,488
City Park	2,145	5,550	6,202	1,171,975	42,961	111,175	124,221	23,474,668
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1,351	110	3.06	358,026	43,259	3,531	98.1	11,467,585
User Defined Commercial	705	58.2	52.9	189,665	22,590	1,864	1,694	6,074,985

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	7,479,975	2,493,325	509,160

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)
Office Park	16,900,118	346	0.0330	0.0040	0.00
Regional Shopping Center	1,951,952	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	5,946,160	346	0.0330	0.0040	0.00
Refrigerated Warehouse-No Rail	19,920,000	346	0.0330	0.0040	0.00
City Park	1,144,757	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
User Defined Commercial	0.00	346	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)
Office Park	313,374,812	0.00
Regional Shopping Center	11,919,750	0.00
Unrefrigerated Warehouse-No Rail	592,592,000	0.00
Refrigerated Warehouse-No Rail	115,625,000	0.00
City Park	0.00	41,633,942
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
User Defined Commercial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	1,640	—
Regional Shopping Center	169	—
Unrefrigerated Warehouse-No Rail	2,409	—
Refrigerated Warehouse-No Rail	470	—
City Park	5.18	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
User Defined Commercial	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
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Refrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
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5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Tractors/Loaders/Backhoes	Diesel	Average	18.0	4.00	84.0	0.37

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	19.0	1.00	50.0	300	0.73

5.16.2. Process Boilers

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

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

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

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

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

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

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

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

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

6.3. Adjusted Climate Risk Scores

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

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

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	97.6
AQ-PM	59.8
AQ-DPM	40.3
Drinking Water	70.7
Lead Risk Housing	53.6
Pesticides	13.2
Toxic Releases	64.0
Traffic	82.0
Effect Indicators	—
CleanUp Sites	82.5
Groundwater	97.9
Haz Waste Facilities/Generators	87.9
Impaired Water Bodies	0.00

Solid Waste	84.9
Sensitive Population	—
Asthma	71.5
Cardio-vascular	86.8
Low Birth Weights	97.0
Socioeconomic Factor Indicators	—
Education	82.5
Housing	59.7
Linguistic	82.8
Poverty	89.3
Unemployment	81.0

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	8.353650712
Employed	6.480174516
Median HI	22.3662261
Education	—
Bachelor's or higher	30.14243552
High school enrollment	100
Preschool enrollment	10.97138458
Transportation	—
Auto Access	10.29128705
Active commuting	87.46310792
Social	—

2-parent households	6.223533941
Voting	6.13370974
Neighborhood	—
Alcohol availability	44.43731554
Park access	43.37225715
Retail density	18.60644168
Supermarket access	67.43231105
Tree canopy	3.977928911
Housing	—
Homeownership	8.353650712
Housing habitability	10.4452714
Low-inc homeowner severe housing cost burden	45.06608495
Low-inc renter severe housing cost burden	46.23379956
Uncrowded housing	21.62196843
Health Outcomes	—
Insured adults	12.4085718
Arthritis	51.7
Asthma ER Admissions	24.0
High Blood Pressure	30.0
Cancer (excluding skin)	80.0
Asthma	9.8
Coronary Heart Disease	57.7
Chronic Obstructive Pulmonary Disease	27.0
Diagnosed Diabetes	31.9
Life Expectancy at Birth	7.4
Cognitively Disabled	15.9
Physically Disabled	19.5

Heart Attack ER Admissions	20.1
Mental Health Not Good	14.9
Chronic Kidney Disease	35.4
Obesity	8.3
Pedestrian Injuries	77.2
Physical Health Not Good	20.0
Stroke	29.9
Health Risk Behaviors	—
Binge Drinking	63.5
Current Smoker	15.5
No Leisure Time for Physical Activity	16.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	18.1
Elderly	24.3
English Speaking	44.9
Foreign-born	53.3
Outdoor Workers	18.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	73.9
Traffic Density	76.9
Traffic Access	61.5
Other Indices	—
Hardship	89.9
Other Decision Support	—
2016 Voting	11.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	98.0
Healthy Places Index Score for Project Location (b)	5.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Based on Project site plan.
Operations: Vehicle Data	Trips adjusted per Project traffic study
Operations: Fleet Mix	Fleet mix adjusted based on Project traffic study
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. As of 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.
Operations: Energy Use	Electricity usage based on CalEEMod 2020 calculations. Project will not use natural gas.
Operations: Off-Road Equipment	Assumes 3.6 pieces of equipment per million square feet.

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5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14064 West Campus Upper Plateau Ops Mitigated
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	10.0
Location	33.907344901223, -117.30803322631292
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5480
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	1,763	1000sqft	40.5	1,763,170	0.00	—	—	—

Regional Shopping Center	161	1000sqft	3.69	160,920	0.00	—	—	—
Unrefrigerated Warehouse-No Rail	2,563	1000sqft	58.8	2,562,560	0.00	—	—	—
Refrigerated Warehouse-No Rail	500	1000sqft	11.5	500,000	0.00	—	—	—
City Park	60.3	Acre	60.3	0.00	2,625,801	0.00	—	—
Other Asphalt Surfaces	8,486	1000sqft	195	0.00	0.00	—	—	—
User Defined Industrial	3,063	User Defined Unit	0.00	0.00	0.00	—	—	—
User Defined Commercial	1,763	User Defined Unit	0.00	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Water	W-4	Require Low-Flow Water Fixtures
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment

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.	255	351	317	2,430	7.02	6.37	571	577	5.97	145	151	4,510	773,351	777,861	481	47.6	2,408	806,469
Mit.	216	315	315	2,214	7.01	5.99	571	577	5.68	145	151	4,141	771,352	775,493	443	46.7	2,408	802,881

% Reduced	15%	10%	1%	9%	< 0.5%	6%	—	< 0.5%	5%	—	< 0.5%	8%	< 0.5%	< 0.5%	8%	2%	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	208	307	335	1,828	6.64	5.99	571	577	5.68	145	151	4,510	734,906	739,416	481	48.4	562	766,420
Mit.	208	307	335	1,828	6.64	5.99	571	577	5.68	145	151	4,141	733,666	737,807	443	47.5	562	763,594
% Reduced	—	—	—	—	—	—	—	—	—	—	—	8%	< 0.5%	< 0.5%	8%	2%	—	< 0.5%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	154	260	233	1,411	4.54	4.26	385	390	3.98	98.0	102	4,510	518,474	522,984	474	35.5	1,069	546,480
Mit.	128	235	232	1,262	4.53	4.00	385	389	3.78	98.0	102	4,141	516,714	520,855	436	34.6	1,069	543,132
% Reduced	17%	9%	1%	11%	< 0.5%	6%	—	< 0.5%	5%	—	< 0.5%	8%	< 0.5%	< 0.5%	8%	3%	—	1%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	28.2	47.4	42.6	257	0.83	0.78	70.3	71.1	0.73	17.9	18.6	747	85,839	86,586	78.5	5.87	177	90,476
Mit.	23.3	42.9	42.4	230	0.83	0.73	70.3	71.0	0.69	17.9	18.6	686	85,548	86,234	72.2	5.72	177	89,922
% Reduced	17%	9%	1%	11%	< 0.5%	6%	—	< 0.5%	5%	—	< 0.5%	8%	< 0.5%	< 0.5%	8%	3%	—	1%

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	196	174	308	2,148	6.90	5.67	571	577	5.35	145	151	—	709,893	709,893	19.4	42.1	1,895	724,817
Area	38.6	158	1.82	217	0.01	0.39	—	0.39	0.29	—	0.29	—	892	892	0.04	0.01	—	895

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Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,500	43,500	4.15	0.50	—	43,754
Water	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Off-Road	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Stationary	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	255	351	317	2,430	7.02	6.37	571	577	5.97	145	151	4,510	773,351	777,861	481	47.6	2,408	806,469
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	187	166	328	1,762	6.52	5.67	571	577	5.35	145	151	—	672,340	672,340	19.8	42.9	49.1	685,663
Area	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,500	43,500	4.15	0.50	—	43,754
Water	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Off-Road	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Stationary	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	208	307	335	1,828	6.64	5.99	571	577	5.68	145	151	4,510	734,906	739,416	481	48.4	562	766,420
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	125	110	230	1,237	4.50	3.91	385	389	3.70	98.0	102	—	463,557	463,557	13.4	30.0	556	473,397
Area	26.4	147	1.25	149	0.01	0.26	—	0.26	0.20	—	0.20	—	611	611	0.03	0.01	—	613
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,500	43,500	4.15	0.50	—	43,754
Water	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513

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Off-Road	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Stationary	2.82	2.56	0.75	6.53	0.01	0.04	0.00	0.04	0.04	0.00	0.04	0.00	1,311	1,311	0.05	0.01	0.00	1,315
Total	154	260	233	1,411	4.54	4.26	385	390	3.98	98.0	102	4,510	518,474	522,984	474	35.5	1,069	546,480
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	22.8	20.1	42.0	226	0.82	0.71	70.3	71.0	0.67	17.9	18.6	—	76,747	76,747	2.21	4.97	92.1	78,376
Area	4.83	26.8	0.23	27.1	< 0.005	0.05	—	0.05	0.04	—	0.04	—	101	101	< 0.005	< 0.005	—	101
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	7,202	7,202	0.69	0.08	—	7,244
Water	—	—	—	—	—	—	—	—	—	—	—	328	1,139	1,467	33.7	0.81	—	2,553
Waste	—	—	—	—	—	—	—	—	—	—	—	419	0.00	419	41.8	0.00	—	1,465
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.9	84.9
Off-Road	0.05	0.05	0.23	3.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	433	433	0.02	< 0.005	—	434
Stationary	0.51	0.47	0.14	1.19	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	217	217	0.01	< 0.005	0.00	218
Total	28.2	47.4	42.6	257	0.83	0.78	70.3	71.1	0.73	17.9	18.6	747	85,839	86,586	78.5	5.87	177	90,476

2.6. Operations Emissions by Sector, Mitigated

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	196	174	308	2,148	6.90	5.67	571	577	5.35	145	151	—	709,893	709,893	19.4	42.1	1,895	724,817
Area	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,633	43,633	4.16	0.50	—	43,887
Water	—	—	—	—	—	—	—	—	—	—	—	1,612	5,642	7,255	166	3.99	—	12,591
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Off-Road	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622

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Stationar	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	216	315	315	2,214	7.01	5.99	571	577	5.68	145	151	4,141	771,352	775,493	443	46.7	2,408	802,881
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	187	166	328	1,762	6.52	5.67	571	577	5.35	145	151	—	672,340	672,340	19.8	42.9	49.1	685,663
Area	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,500	43,500	4.15	0.50	—	43,754
Water	—	—	—	—	—	—	—	—	—	—	—	1,612	5,642	7,255	166	3.99	—	12,591
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Off-Road	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Stationary	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	208	307	335	1,828	6.64	5.99	571	577	5.68	145	151	4,141	733,666	737,807	443	47.5	562	763,594
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	125	110	230	1,237	4.50	3.91	385	389	3.70	98.0	102	—	463,557	463,557	13.4	30.0	556	473,397
Area	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,591	43,591	4.16	0.50	—	43,845
Water	—	—	—	—	—	—	—	—	—	—	—	1,612	5,642	7,255	166	3.99	—	12,591
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Off-Road	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Stationary	2.82	2.56	0.75	6.53	0.01	0.04	0.00	0.04	0.04	0.00	0.04	0.00	1,311	1,311	0.05	0.01	0.00	1,315
Total	128	235	232	1,262	4.53	4.00	385	389	3.78	98.0	102	4,141	516,714	520,855	436	34.6	1,069	543,132
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	22.8	20.1	42.0	226	0.82	0.71	70.3	71.0	0.67	17.9	18.6	—	76,747	76,747	2.21	4.97	92.1	78,376

Area	—	22.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	7,217	7,217	0.69	0.08	—	7,259
Water	—	—	—	—	—	—	—	—	—	—	—	267	934	1,201	27.5	0.66	—	2,085
Waste	—	—	—	—	—	—	—	—	—	—	—	419	0.00	419	41.8	0.00	—	1,465
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.9	84.9
Off-Road	0.05	0.05	0.23	3.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	433	433	0.02	< 0.005	—	434
Stationary	0.51	0.47	0.14	1.19	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	217	217	0.01	< 0.005	0.00	218
Total	23.3	42.9	42.4	230	0.83	0.73	70.3	71.0	0.69	17.9	18.6	686	85,548	86,234	72.2	5.72	177	89,922

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	87.6	78.8	50.0	1,128	2.68	1.04	275	276	0.96	69.4	70.3	—	271,472	271,472	7.63	5.52	731	274,037
Regional Shopping Center	47.8	44.2	36.2	342	0.89	0.62	79.9	80.5	0.58	20.3	20.9	—	90,520	90,520	3.61	4.02	259	92,068
Unrefrigerated Warehouse-No Rail	19.4	17.5	11.1	250	0.60	0.23	61.0	61.2	0.21	15.4	15.6	—	60,220	60,220	1.69	1.22	162	60,789

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Refrigerated	2.97	2.67	1.69	38.3	0.09	0.04	9.33	9.36	0.03	2.35	2.39	—	9,210	9,210	0.26	0.19	24.8	9,297
City Park	30.6	27.1	34.1	340	0.96	0.65	88.0	88.6	0.61	22.3	22.9	—	98,353	98,353	3.07	3.94	285	99,889
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	4.80	2.52	115	31.6	1.10	2.03	38.0	40.0	1.94	10.2	12.1	—	118,328	118,328	2.04	17.9	285	123,991
User Defined Commercial	2.51	1.32	60.1	16.5	0.58	1.06	19.8	20.9	1.02	5.31	6.32	—	61,790	61,790	1.06	9.33	149	64,747
Total	196	174	308	2,148	6.90	5.67	571	577	5.35	145	151	—	709,893	709,893	19.4	42.1	1,895	724,817
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	84.4	75.6	55.5	912	2.48	1.04	275	276	0.96	69.4	70.3	—	250,667	250,667	7.82	5.93	18.9	252,648
Regional Shopping Center	45.1	41.5	38.7	291	0.83	0.62	79.9	80.5	0.58	20.3	20.9	—	85,063	85,063	3.76	4.15	6.71	86,400
Unrefrigerated Warehouse-No Rail	18.7	16.8	12.3	202	0.55	0.23	61.0	61.2	0.21	15.4	15.6	—	55,605	55,605	1.73	1.32	4.20	56,044
Refrigerated Warehouse-No Rail	2.86	2.56	1.88	30.9	0.08	0.04	9.33	9.36	0.03	2.35	2.39	—	8,504	8,504	0.27	0.20	0.64	8,571
City Park	29.1	25.7	36.6	278	0.90	0.65	88.0	88.6	0.61	22.3	22.9	—	92,328	92,328	3.13	4.06	7.39	93,625
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

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User Defined Industrial	4.69	2.43	120	31.8	1.10	2.03	38.0	40.0	1.95	10.2	12.1	—	118,364	118,364	2.03	17.9	7.40	123,752
User Defined Commercial	2.45	1.27	62.8	16.6	0.58	1.06	19.8	20.9	1.02	5.31	6.32	—	61,809	61,809	1.06	9.34	3.86	64,622
Total	187	166	328	1,762	6.52	5.67	571	577	5.35	145	151	—	672,340	672,340	19.8	42.9	49.1	685,663
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	11.3	10.1	7.69	128	0.34	0.14	36.7	36.9	0.13	9.27	9.39	—	30,929	30,929	0.96	0.74	38.5	31,212
Regional Shopping Center	4.95	4.56	4.22	32.2	0.09	0.07	8.35	8.42	0.06	2.12	2.18	—	8,212	8,212	0.37	0.41	10.7	8,353
Unrefrigerated Warehouse-No Rail	2.48	2.22	1.69	28.1	0.07	0.03	8.08	8.11	0.03	2.04	2.07	—	6,808	6,808	0.21	0.16	8.47	6,870
Refrigerated Warehouse-No Rail	0.38	0.34	0.26	4.29	0.01	< 0.005	1.24	1.24	< 0.005	0.31	0.32	—	1,041	1,041	0.03	0.02	1.29	1,051
City Park	2.74	2.41	3.53	27.3	0.09	0.06	8.26	8.32	0.06	2.10	2.15	—	7,989	7,989	0.27	0.35	10.5	8,111
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	0.63	0.33	16.1	4.19	0.15	0.27	5.01	5.28	0.26	1.34	1.60	—	14,230	14,230	0.24	2.15	14.8	14,892
User Defined Commercial	0.33	0.17	8.52	2.22	0.08	0.14	2.65	2.80	0.14	0.71	0.85	—	7,538	7,538	0.13	1.14	7.84	7,889
Total	22.8	20.1	42.0	226	0.82	0.71	70.3	71.0	0.67	17.9	18.6	—	76,747	76,747	2.21	4.97	92.1	78,376

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	87.6	78.8	50.0	1,128	2.68	1.04	275	276	0.96	69.4	70.3	—	271,472	271,472	7.63	5.52	731	274,037
Regional Shopping Center	47.8	44.2	36.2	342	0.89	0.62	79.9	80.5	0.58	20.3	20.9	—	90,520	90,520	3.61	4.02	259	92,068
Unrefrigerated Warehouse-No Rail	19.4	17.5	11.1	250	0.60	0.23	61.0	61.2	0.21	15.4	15.6	—	60,220	60,220	1.69	1.22	162	60,789
Refrigerated Warehouse-No Rail	2.97	2.67	1.69	38.3	0.09	0.04	9.33	9.36	0.03	2.35	2.39	—	9,210	9,210	0.26	0.19	24.8	9,297
City Park	30.6	27.1	34.1	340	0.96	0.65	88.0	88.6	0.61	22.3	22.9	—	98,353	98,353	3.07	3.94	285	99,889
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	4.80	2.52	115	31.6	1.10	2.03	38.0	40.0	1.94	10.2	12.1	—	118,328	118,328	2.04	17.9	285	123,991
User Defined Commercial	2.51	1.32	60.1	16.5	0.58	1.06	19.8	20.9	1.02	5.31	6.32	—	61,790	61,790	1.06	9.33	149	64,747
Total	196	174	308	2,148	6.90	5.67	571	577	5.35	145	151	—	709,893	709,893	19.4	42.1	1,895	724,817

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	84.4	75.6	55.5	912	2.48	1.04	275	276	0.96	69.4	70.3	—	250,667	250,667	7.82	5.93	18.9	252,648
Regional Shopping Center	45.1	41.5	38.7	291	0.83	0.62	79.9	80.5	0.58	20.3	20.9	—	85,063	85,063	3.76	4.15	6.71	86,400
Unrefrigerated Warehouse-No Rail	18.7	16.8	12.3	202	0.55	0.23	61.0	61.2	0.21	15.4	15.6	—	55,605	55,605	1.73	1.32	4.20	56,044
Refrigerated Warehouse-No Rail	2.86	2.56	1.88	30.9	0.08	0.04	9.33	9.36	0.03	2.35	2.39	—	8,504	8,504	0.27	0.20	0.64	8,571
City Park	29.1	25.7	36.6	278	0.90	0.65	88.0	88.6	0.61	22.3	22.9	—	92,328	92,328	3.13	4.06	7.39	93,625
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	4.69	2.43	120	31.8	1.10	2.03	38.0	40.0	1.95	10.2	12.1	—	118,364	118,364	2.03	17.9	7.40	123,752
User Defined Commercial	2.45	1.27	62.8	16.6	0.58	1.06	19.8	20.9	1.02	5.31	6.32	—	61,809	61,809	1.06	9.34	3.86	64,622
Total	187	166	328	1,762	6.52	5.67	571	577	5.35	145	151	—	672,340	672,340	19.8	42.9	49.1	685,663
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	11.3	10.1	7.69	128	0.34	0.14	36.7	36.9	0.13	9.27	9.39	—	30,929	30,929	0.96	0.74	38.5	31,212
Regional Shopping Center	4.95	4.56	4.22	32.2	0.09	0.07	8.35	8.42	0.06	2.12	2.18	—	8,212	8,212	0.37	0.41	10.7	8,353

Unrefrigerated	2.48	2.22	1.69	28.1	0.07	0.03	8.08	8.11	0.03	2.04	2.07	—	6,808	6,808	0.21	0.16	8.47	6,870
Refrigerated Warehouse-No Rail	0.38	0.34	0.26	4.29	0.01	< 0.005	1.24	1.24	< 0.005	0.31	0.32	—	1,041	1,041	0.03	0.02	1.29	1,051
City Park	2.74	2.41	3.53	27.3	0.09	0.06	8.26	8.32	0.06	2.10	2.15	—	7,989	7,989	0.27	0.35	10.5	8,111
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	0.63	0.33	16.1	4.19	0.15	0.27	5.01	5.28	0.26	1.34	1.60	—	14,230	14,230	0.24	2.15	14.8	14,892
User Defined Commercial	0.33	0.17	8.52	2.22	0.08	0.14	2.65	2.80	0.14	0.71	0.85	—	7,538	7,538	0.13	1.14	7.84	7,889
Total	22.8	20.1	42.0	226	0.82	0.71	70.3	71.0	0.67	17.9	18.6	—	76,747	76,747	2.21	4.97	92.1	78,376

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	16,029	16,029	1.53	0.19	—	16,123
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,851	1,851	0.18	0.02	—	1,862

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Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	—	5,640	5,640	0.54	0.07	—	5,673
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	18,894	18,894	1.80	0.22	—	19,004
City Park	—	—	—	—	—	—	—	—	—	—	—	—	1,086	1,086	0.10	0.01	—	1,092
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	43,500	43,500	4.15	0.50	—	43,754
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	16,029	16,029	1.53	0.19	—	16,123
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,851	1,851	0.18	0.02	—	1,862
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	5,640	5,640	0.54	0.07	—	5,673
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	18,894	18,894	1.80	0.22	—	19,004

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City Park	—	—	—	—	—	—	—	—	—	—	—	—	1,086	1,086	0.10	0.01	—	1,092
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	43,500	43,500	4.15	0.50	—	43,754
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	2,654	2,654	0.25	0.03	—	2,669
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	307	307	0.03	< 0.005	—	308
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	934	934	0.09	0.01	—	939
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	3,128	3,128	0.30	0.04	—	3,146
City Park	—	—	—	—	—	—	—	—	—	—	—	—	180	180	0.02	< 0.005	—	181
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

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,202	7,202	0.69	0.08	—	7,244

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	16,076	16,076	1.53	0.19	—	16,170
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,856	1,856	0.18	0.02	—	1,866
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	5,708	5,708	0.54	0.07	—	5,741
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	18,907	18,907	1.80	0.22	—	19,017
City Park	—	—	—	—	—	—	—	—	—	—	—	—	1,086	1,086	0.10	0.01	—	1,092
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

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User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	43,633	43,633	4.16	0.50	—	43,887
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	16,029	16,029	1.53	0.19	—	16,123
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,851	1,851	0.18	0.02	—	1,862
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	5,640	5,640	0.54	0.07	—	5,673
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	18,894	18,894	1.80	0.22	—	19,004
City Park	—	—	—	—	—	—	—	—	—	—	—	—	1,086	1,086	0.10	0.01	—	1,092
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	43,500	43,500	4.15	0.50	—	43,754
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	2,659	2,659	0.25	0.03	—	2,675

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	307	307	0.03	< 0.005	—	309
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	941	941	0.09	0.01	—	947
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	3,130	3,130	0.30	0.04	—	3,148
City Park	—	—	—	—	—	—	—	—	—	—	—	—	180	180	0.02	< 0.005	—	181
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,217	7,217	0.69	0.08	—	7,259

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

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Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	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
User Defined Commercial	0.00	0.00	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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

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Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	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
User Defined Commercial	0.00	0.00	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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	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
User Defined Commercial	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

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

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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
User Defined Commercial	0.00	0.00	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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	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
User Defined Commercial	0.00	0.00	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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	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
User Defined Commercial	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. 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
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	13.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	38.6	35.6	1.82	217	0.01	0.39	—	0.39	0.29	—	0.29	—	892	892	0.04	0.01	—	895
Total	38.6	158	1.82	217	0.01	0.39	—	0.39	0.29	—	0.29	—	892	892	0.04	0.01	—	895
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	13.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	2.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.83	4.45	0.23	27.1	< 0.005	0.05	—	0.05	0.04	—	0.04	—	101	101	< 0.005	< 0.005	—	101
Total	4.83	26.8	0.23	27.1	< 0.005	0.05	—	0.05	0.04	—	0.04	—	101	101	< 0.005	< 0.005	—	101

4.3.2. Mitigated

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	—	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	13.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	13.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	2.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	22.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	600	2,023	2,624	61.8	1.49	—	4,611
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	22.8	77.0	99.8	2.35	0.06	—	175
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,136	3,826	4,962	117	2.81	—	8,719
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	222	747	968	22.8	0.55	—	1,701
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	210	210	0.02	< 0.005	—	211
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	600	2,023	2,624	61.8	1.49	—	—	4,611
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	22.8	77.0	99.8	2.35	0.06	—	—	175
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,136	3,826	4,962	117	2.81	—	—	8,719
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	222	747	968	22.8	0.55	—	—	1,701
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	210	210	0.02	< 0.005	—	—	211
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	—	15,418
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	99.4	335	434	10.2	0.25	—	—	763
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	3.78	12.7	16.5	0.39	0.01	—	—	29.0

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	188	633	821	19.3	0.47	—	1,444
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	36.7	124	160	3.77	0.09	—	282
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	34.7	34.7	< 0.005	< 0.005	—	34.9
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	328	1,139	1,467	33.7	0.81	—	2,553

4.4.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	489	1,647	2,136	50.3	1.21	—	3,754
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	18.8	63.2	82.0	1.93	0.05	—	144

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Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	923	3,111	4,034	95.0	2.29	—	7,090
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	181	611	792	18.7	0.45	—	1,393
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	210	210	0.02	< 0.005	—	211
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,612	5,642	7,255	166	3.99	—	12,591
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	489	1,647	2,136	50.3	1.21	—	3,754
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	18.8	63.2	82.0	1.93	0.05	—	144
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	923	3,111	4,034	95.0	2.29	—	7,090

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Refrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	181	611	792	18.7	0.45	—	1,393
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	210	210	0.02	< 0.005	—	211
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,612	5,642	7,255	166	3.99	—	12,591
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	80.9	273	354	8.33	0.20	—	622
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	3.11	10.5	13.6	0.32	0.01	—	23.8
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	153	515	668	15.7	0.38	—	1,174
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	30.0	101	131	3.09	0.07	—	231
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	34.7	34.7	< 0.005	< 0.005	—	34.9
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	267	934	1,201	27.5	0.66	—	2,085

4.5. Waste Emissions by Land Use

4.5.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	884	0.00	884	88.3	0.00	—	3,092
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.1	0.00	91.1	9.10	0.00	—	319
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,298	0.00	1,298	130	0.00	—	4,542
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	253	0.00	253	25.3	0.00	—	886
City Park	—	—	—	—	—	—	—	—	—	—	—	2.79	0.00	2.79	0.28	0.00	—	9.77

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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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	884	0.00	884	88.3	0.00	—	3,092
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.1	0.00	91.1	9.10	0.00	—	319
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,298	0.00	1,298	130	0.00	—	4,542
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	253	0.00	253	25.3	0.00	—	886
City Park	—	—	—	—	—	—	—	—	—	—	—	2.79	0.00	2.79	0.28	0.00	—	9.77
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

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	146	0.00	146	14.6	0.00	—	512
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	15.1	0.00	15.1	1.51	0.00	—	52.7
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	215	0.00	215	21.5	0.00	—	752
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	41.9	0.00	41.9	4.19	0.00	—	147
City Park	—	—	—	—	—	—	—	—	—	—	—	0.46	0.00	0.46	0.05	0.00	—	1.62
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	419	0.00	419	41.8	0.00	—	1,465

4.5.2. Mitigated

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

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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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	884	0.00	884	88.3	0.00	—	3,092
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.1	0.00	91.1	9.10	0.00	—	319
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,298	0.00	1,298	130	0.00	—	4,542
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	253	0.00	253	25.3	0.00	—	886
City Park	—	—	—	—	—	—	—	—	—	—	—	2.79	0.00	2.79	0.28	0.00	—	9.77
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	884	0.00	884	88.3	0.00	—	3,092

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Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.1	0.00	91.1	9.10	0.00	—	319
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,298	0.00	1,298	130	0.00	—	4,542
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	253	0.00	253	25.3	0.00	—	886
City Park	—	—	—	—	—	—	—	—	—	—	—	2.79	0.00	2.79	0.28	0.00	—	9.77
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	146	0.00	146	14.6	0.00	—	512
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	15.1	0.00	15.1	1.51	0.00	—	52.7
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	215	0.00	215	21.5	0.00	—	752

Refrigerated	—	—	—	—	—	—	—	—	—	—	—	41.9	0.00	41.9	4.19	0.00	—	147
City Park	—	—	—	—	—	—	—	—	—	—	—	0.46	0.00	0.46	0.05	0.00	—	1.62
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	419	0.00	419	41.8	0.00	—	1,465

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61	0.61
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	510	510
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61	0.61
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	510	510
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.4	84.4
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.9	84.9

4.6.2. Mitigated

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

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

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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61	0.61
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	510	510
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61	0.61
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	510	510
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.4	84.4
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.9	84.9

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Total	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Total	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.05	0.05	0.23	3.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	433	433	0.02	< 0.005	—	434
Total	0.05	0.05	0.23	3.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	433	433	0.02	< 0.005	—	434

4.7.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Total	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Total	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.05	0.05	0.23	3.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	433	433	0.02	< 0.005	—	434
Total	0.05	0.05	0.23	3.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	433	433	0.02	< 0.005	—	434

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.51	0.47	0.14	1.19	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	217	217	0.01	< 0.005	0.00	218
Total	0.51	0.47	0.14	1.19	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	217	217	0.01	< 0.005	0.00	218

4.8.2. Mitigated

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

Equipment	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.51	0.47	0.14	1.19	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	217	217	0.01	< 0.005	0.00	218
Total	0.51	0.47	0.14	1.19	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	217	217	0.01	< 0.005	0.00	218

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

4.9.2. Mitigated

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)

Vegetatio	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

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

5. Activity Data

5.9. 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
Office Park	19,719	1,601	1,453	5,300,336	394,977	32,067	29,101	106,165,726
Regional Shopping Center	6,354	12,303	8,990	2,766,960	52,049	112,827	82,441	23,751,698
Unrefrigerated Warehouse-No Rail	4,374	359	144	1,166,629	87,617	7,186	2,874	23,367,583
Refrigerated Warehouse-No Rail	669	54.5	22.0	178,407	13,400	1,092	441	3,573,488
City Park	2,145	5,550	6,202	1,171,975	42,961	111,175	124,221	23,474,668
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1,351	110	3.06	358,026	43,259	3,531	98.1	11,467,585

User Defined Commercial	705	58.2	52.9	189,665	22,590	1,864	1,694	6,074,985
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5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Office Park	19,719	1,601	1,453	5,300,336	394,977	32,067	29,101	106,165,726
Regional Shopping Center	6,354	12,303	8,990	2,766,960	52,049	112,827	82,441	23,751,698
Unrefrigerated Warehouse-No Rail	4,374	359	144	1,166,629	87,617	7,186	2,874	23,367,583
Refrigerated Warehouse-No Rail	669	54.5	22.0	178,407	13,400	1,092	441	3,573,488
City Park	2,145	5,550	6,202	1,171,975	42,961	111,175	124,221	23,474,668
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1,351	110	3.06	358,026	43,259	3,531	98.1	11,467,585
User Defined Commercial	705	58.2	52.9	189,665	22,590	1,864	1,694	6,074,985

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

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)
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0	0.00	7,479,975	2,493,325	509,160
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5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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)
Office Park	16,900,118	346	0.0330	0.0040	0.00
Regional Shopping Center	1,951,952	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	5,946,160	346	0.0330	0.0040	0.00
Refrigerated Warehouse-No Rail	19,920,000	346	0.0330	0.0040	0.00
City Park	1,144,757	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
User Defined Commercial	0.00	346	0.0330	0.0040	0.00

5.11.2. Mitigated

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)
Office Park	16,900,118	346	0.0330	0.0040	0.00
Regional Shopping Center	1,951,952	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	5,946,160	346	0.0330	0.0040	0.00
Refrigerated Warehouse-No Rail	19,920,000	346	0.0330	0.0040	0.00
City Park	1,144,757	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
User Defined Commercial	0.00	346	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)
Office Park	313,374,812	0.00
Regional Shopping Center	11,919,750	0.00
Unrefrigerated Warehouse-No Rail	592,592,000	0.00
Refrigerated Warehouse-No Rail	115,625,000	0.00
City Park	0.00	41,633,942
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
User Defined Commercial	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	255,149,772	0.00
Regional Shopping Center	9,788,499	0.00
Unrefrigerated Warehouse-No Rail	481,836,555	0.00
Refrigerated Warehouse-No Rail	94,650,625	0.00
City Park	0.00	41,633,942
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
User Defined Commercial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	1,640	—
Regional Shopping Center	169	—
Unrefrigerated Warehouse-No Rail	2,409	—
Refrigerated Warehouse-No Rail	470	—
City Park	5.18	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
User Defined Commercial	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	1,640	—
Regional Shopping Center	169	—

Unrefrigerated Warehouse-No Rail	2,409	—
Refrigerated Warehouse-No Rail	470	—
City Park	5.18	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
User Defined Commercial	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
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Refrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
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Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Refrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	18.0	4.00	84.0	0.37

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	18.0	4.00	84.0	0.37

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	19.0	1.00	50.0	300	0.73

5.16.2. Process Boilers

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

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

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

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

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

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

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

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

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

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

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

6.3. Adjusted Climate Risk Scores

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

Air Quality Degradation	1	1	1	2
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The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	97.6
AQ-PM	59.8
AQ-DPM	40.3
Drinking Water	70.7
Lead Risk Housing	53.6
Pesticides	13.2
Toxic Releases	64.0
Traffic	82.0
Effect Indicators	—
CleanUp Sites	82.5
Groundwater	97.9
Haz Waste Facilities/Generators	87.9
Impaired Water Bodies	0.00
Solid Waste	84.9

Sensitive Population	—
Asthma	71.5
Cardio-vascular	86.8
Low Birth Weights	97.0
Socioeconomic Factor Indicators	—
Education	82.5
Housing	59.7
Linguistic	82.8
Poverty	89.3
Unemployment	81.0

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	8.353650712
Employed	6.480174516
Median HI	22.3662261
Education	—
Bachelor's or higher	30.14243552
High school enrollment	100
Preschool enrollment	10.97138458
Transportation	—
Auto Access	10.29128705
Active commuting	87.46310792
Social	—
2-parent households	6.223533941

Voting	6.13370974
Neighborhood	—
Alcohol availability	44.43731554
Park access	43.37225715
Retail density	18.60644168
Supermarket access	67.43231105
Tree canopy	3.977928911
Housing	—
Homeownership	8.353650712
Housing habitability	10.4452714
Low-inc homeowner severe housing cost burden	45.06608495
Low-inc renter severe housing cost burden	46.23379956
Uncrowded housing	21.62196843
Health Outcomes	—
Insured adults	12.4085718
Arthritis	51.7
Asthma ER Admissions	24.0
High Blood Pressure	30.0
Cancer (excluding skin)	80.0
Asthma	9.8
Coronary Heart Disease	57.7
Chronic Obstructive Pulmonary Disease	27.0
Diagnosed Diabetes	31.9
Life Expectancy at Birth	7.4
Cognitively Disabled	15.9
Physically Disabled	19.5
Heart Attack ER Admissions	20.1

Mental Health Not Good	14.9
Chronic Kidney Disease	35.4
Obesity	8.3
Pedestrian Injuries	77.2
Physical Health Not Good	20.0
Stroke	29.9
Health Risk Behaviors	—
Binge Drinking	63.5
Current Smoker	15.5
No Leisure Time for Physical Activity	16.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	18.1
Elderly	24.3
English Speaking	44.9
Foreign-born	53.3
Outdoor Workers	18.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	73.9
Traffic Density	76.9
Traffic Access	61.5
Other Indices	—
Hardship	89.9
Other Decision Support	—
2016 Voting	11.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	98.0
Healthy Places Index Score for Project Location (b)	5.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Based on Project site plan.
Operations: Vehicle Data	Trips adjusted per Project traffic study
Operations: Fleet Mix	Fleet mix adjusted based on Project traffic study
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. As of 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.
Operations: Energy Use	Electricity usage based on CalEEMod 2020 calculations. Project will not use natural gas.
Operations: Off-Road Equipment	Assumes 3.6 pieces of equipment per million square feet.

Operations: Generators + Pumps EF

Emission factors adjusted based on Tier 4 emission standards.

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APPENDIX 5.4:

CALEEMOD OPERATIONS EMISSIONS MODEL OUTPUTS – LSTs

14064 West Campus Upper Plateau Ops Unmitigated LST Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14064 West Campus Upper Plateau Ops Unmitigated LST
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	10.0
Location	33.907344901223, -117.30803322631292
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5480
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	1,763	1000sqft	40.5	1,763,170	0.00	—	—	—

Regional Shopping Center	161	1000sqft	3.69	160,920	0.00	—	—	—
Unrefrigerated Warehouse-No Rail	2,563	1000sqft	58.8	2,562,560	0.00	—	—	—
Refrigerated Warehouse-No Rail	500	1000sqft	11.5	500,000	0.00	—	—	—
City Park	60.3	Acre	60.3	0.00	2,625,801	0.00	—	—
Other Asphalt Surfaces	8,486	1000sqft	195	0.00	0.00	—	—	—
User Defined Industrial	3,063	User Defined Unit	0.00	0.00	0.00	—	—	—
User Defined Commercial	1,763	User Defined Unit	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.	190	302	132	721	0.89	4.02	60.0	64.0	3.87	15.2	19.1	4,510	141,857	146,366	468	11.8	702	162,290
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	144	259	134	496	0.84	3.64	60.0	63.6	3.58	15.2	18.8	4,510	136,988	141,497	469	12.0	518	157,303

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	111	227	67.0	468	0.54	1.31	39.9	41.2	1.20	10.1	11.3	4,510	105,321	109,831	466	9.84	567	124,983
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.3	41.5	12.2	85.3	0.10	0.24	7.28	7.52	0.22	1.85	2.07	747	17,437	18,184	77.2	1.63	93.9	20,692

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	130	125	69.1	439	0.76	0.65	60.0	60.6	0.61	15.2	15.8	—	78,399	78,399	7.22	6.27	190	80,639
Area	38.6	158	1.82	217	0.01	0.39	—	0.39	0.29	—	0.29	—	892	892	0.04	0.01	—	895
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,500	43,500	4.15	0.50	—	43,754
Water	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Off-Road	1.02	0.85	8.63	17.2	0.02	0.24	—	0.24	0.22	—	0.22	—	2,613	2,613	0.11	0.02	—	2,622
Stationary	20.6	18.7	52.3	47.7	0.09	2.75	0.00	2.75	2.75	0.00	2.75	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	190	302	132	721	0.89	4.02	60.0	64.0	3.87	15.2	19.1	4,510	141,857	146,366	468	11.8	702	162,290
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	122	117	73.4	431	0.72	0.65	60.0	60.6	0.61	15.2	15.8	—	74,422	74,422	7.91	6.45	4.92	76,547
Area	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,500	43,500	4.15	0.50	—	43,754

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Water	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Off-Road	1.02	0.85	8.63	17.2	0.02	0.24	—	0.24	0.22	—	0.22	—	2,613	2,613	0.11	0.02	—	2,622
Stationary	20.6	18.7	52.3	47.7	0.09	2.75	0.00	2.75	2.75	0.00	2.75	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	144	259	134	496	0.84	3.64	60.0	63.6	3.58	15.2	18.8	4,510	136,988	141,497	469	12.0	518	157,303
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	80.7	77.2	50.0	295	0.49	0.44	39.9	40.3	0.41	10.1	10.5	—	50,404	50,404	5.33	4.39	54.6	51,900
Area	26.4	147	1.25	149	0.01	0.26	—	0.26	0.20	—	0.20	—	611	611	0.03	0.01	—	613
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,500	43,500	4.15	0.50	—	43,754
Water	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Off-Road	1.02	0.85	8.63	17.2	0.02	0.24	—	0.24	0.22	—	0.22	—	2,613	2,613	0.11	0.02	—	2,622
Stationary	2.82	2.56	7.16	6.53	0.01	0.38	0.00	0.38	0.38	0.00	0.38	0.00	1,311	1,311	0.05	0.01	0.00	1,315
Total	111	227	67.0	468	0.54	1.31	39.9	41.2	1.20	10.1	11.3	4,510	105,321	109,831	466	9.84	567	124,983
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.7	14.1	9.12	53.9	0.09	0.08	7.28	7.36	0.07	1.85	1.92	—	8,345	8,345	0.88	0.73	9.04	8,593
Area	4.83	26.8	0.23	27.1	< 0.005	0.05	—	0.05	0.04	—	0.04	—	101	101	< 0.005	< 0.005	—	101
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	7,202	7,202	0.69	0.08	—	7,244
Water	—	—	—	—	—	—	—	—	—	—	—	328	1,139	1,467	33.7	0.81	—	2,553
Waste	—	—	—	—	—	—	—	—	—	—	—	419	0.00	419	41.8	0.00	—	1,465
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.9	84.9
Off-Road	0.19	0.16	1.58	3.15	< 0.005	0.04	—	0.04	0.04	—	0.04	—	433	433	0.02	< 0.005	—	434
Stationary	0.51	0.47	1.31	1.19	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	217	217	0.01	< 0.005	0.00	218

Total	20.3	41.5	12.2	85.3	0.10	0.24	7.28	7.52	0.22	1.85	2.07	747	17,437	18,184	77.2	1.63	93.9	20,692
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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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	55.1	53.3	13.4	201	0.30	0.17	27.5	27.6	0.16	6.93	7.09	—	29,862	29,862	2.89	1.68	73.0	30,507
Regional Shopping Center	38.6	37.4	14.0	107	0.16	0.14	13.1	13.3	0.13	3.33	3.46	—	16,697	16,697	1.85	1.34	42.5	17,186
Unrefrigerated Warehouse-No Rail	12.2	11.8	2.97	44.5	0.07	0.04	6.09	6.13	0.04	1.54	1.57	—	6,624	6,624	0.64	0.37	16.2	6,767
Refrigerated Warehouse-No Rail	1.87	1.81	0.45	6.81	0.01	0.01	0.93	0.94	0.01	0.24	0.24	—	1,013	1,013	0.10	0.06	2.48	1,035
City Park	19.8	19.1	7.75	61.7	0.11	0.09	8.78	8.87	0.08	2.23	2.31	—	10,815	10,815	0.99	0.76	28.4	11,096
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

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User Defined Industrial	1.47	0.91	20.1	11.9	0.08	0.13	2.37	2.50	0.13	0.63	0.76	—	8,795	8,795	0.49	1.35	17.8	9,229
User Defined Commercial	0.77	0.48	10.5	6.22	0.04	0.07	1.24	1.31	0.07	0.33	0.40	—	4,593	4,593	0.26	0.71	9.30	4,819
Total	130	125	69.1	439	0.76	0.65	60.0	60.6	0.61	15.2	15.8	—	78,399	78,399	7.22	6.27	190	80,639
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	52.4	50.5	14.5	195	0.27	0.17	27.5	27.6	0.16	6.93	7.09	—	27,815	27,815	3.22	1.76	1.89	28,420
Regional Shopping Center	36.1	34.8	14.8	107	0.15	0.14	13.1	13.3	0.13	3.33	3.46	—	15,825	15,825	2.04	1.39	1.10	16,290
Unrefrigerated Warehouse-No Rail	11.6	11.2	3.21	43.2	0.06	0.04	6.09	6.13	0.04	1.54	1.57	—	6,170	6,170	0.71	0.39	0.42	6,304
Refrigerated Warehouse-No Rail	1.78	1.71	0.49	6.60	0.01	0.01	0.93	0.94	0.01	0.24	0.24	—	944	944	0.11	0.06	0.06	964
City Park	18.5	17.7	8.25	60.1	0.10	0.09	8.78	8.87	0.08	2.23	2.31	—	10,226	10,226	1.08	0.79	0.74	10,489
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	1.37	0.82	21.1	12.3	0.08	0.13	2.37	2.50	0.13	0.63	0.76	—	8,831	8,831	0.49	1.36	0.46	9,249
User Defined Commercial	0.72	0.43	11.0	6.41	0.04	0.07	1.24	1.31	0.07	0.33	0.40	—	4,612	4,612	0.26	0.71	0.24	4,830
Total	122	117	73.4	431	0.72	0.65	60.0	60.6	0.61	15.2	15.8	—	74,422	74,422	7.91	6.45	4.92	76,547

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Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	6.96	6.70	1.98	26.8	0.04	0.02	3.67	3.69	0.02	0.93	0.95	—	3,428	3,428	0.39	0.22	3.84	3,506
Regional Shopping Center	4.00	3.85	1.64	12.1	0.02	0.02	1.38	1.39	0.01	0.35	0.36	—	1,543	1,543	0.21	0.14	1.76	1,591
Unrefrigerated Warehouse-No Rail	1.53	1.47	0.44	5.90	0.01	0.01	0.81	0.81	< 0.005	0.20	0.21	—	755	755	0.09	0.05	0.85	772
Refrigerated Warehouse-No Rail	0.23	0.23	0.07	0.90	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.03	—	115	115	0.01	0.01	0.13	118
City Park	1.73	1.66	0.78	5.80	0.01	0.01	0.82	0.83	0.01	0.21	0.22	—	884	884	0.09	0.07	1.05	908
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	0.19	0.11	2.75	1.60	0.01	0.02	0.31	0.33	0.02	0.08	0.10	—	1,059	1,059	0.06	0.16	0.92	1,110
User Defined Commercial	0.10	0.06	1.46	0.85	0.01	0.01	0.17	0.17	0.01	0.04	0.05	—	561	561	0.03	0.09	0.49	588
Total	14.7	14.1	9.12	53.9	0.09	0.08	7.28	7.36	0.07	1.85	1.92	—	8,345	8,345	0.88	0.73	9.04	8,593

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
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	16,029	16,029	1.53	0.19	—	16,123
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,851	1,851	0.18	0.02	—	1,862
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	5,640	5,640	0.54	0.07	—	5,673
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	18,894	18,894	1.80	0.22	—	19,004
City Park	—	—	—	—	—	—	—	—	—	—	—	—	1,086	1,086	0.10	0.01	—	1,092
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	43,500	43,500	4.15	0.50	—	43,754
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	16,029	16,029	1.53	0.19	—	16,123

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Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,851	1,851	0.18	0.02	—	1,862
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	5,640	5,640	0.54	0.07	—	5,673
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	18,894	18,894	1.80	0.22	—	19,004
City Park	—	—	—	—	—	—	—	—	—	—	—	—	1,086	1,086	0.10	0.01	—	1,092
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	43,500	43,500	4.15	0.50	—	43,754
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	2,654	2,654	0.25	0.03	—	2,669
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	307	307	0.03	< 0.005	—	308
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	934	934	0.09	0.01	—	939

Refrigerated	—	—	—	—	—	—	—	—	—	—	—	—	3,128	3,128	0.30	0.04	—	3,146
City Park	—	—	—	—	—	—	—	—	—	—	—	—	180	180	0.02	< 0.005	—	181
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,202	7,202	0.69	0.08	—	7,244

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

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Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	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
User Defined Commercial	0.00	0.00	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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

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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
User Defined Commercial	0.00	0.00	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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	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
User Defined Commercial	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
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4.3. Area Emissions by Source

4.3.1. 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	—	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	13.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	38.6	35.6	1.82	217	0.01	0.39	—	0.39	0.29	—	0.29	—	892	892	0.04	0.01	—	895
Total	38.6	158	1.82	217	0.01	0.39	—	0.39	0.29	—	0.29	—	892	892	0.04	0.01	—	895
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	13.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consumer	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	2.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.83	4.45	0.23	27.1	< 0.005	0.05	—	0.05	0.04	—	0.04	—	101	101	< 0.005	< 0.005	—	101
Total	4.83	26.8	0.23	27.1	< 0.005	0.05	—	0.05	0.04	—	0.04	—	101	101	< 0.005	< 0.005	—	101

4.4. Water Emissions by Land Use

4.4.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	600	2,023	2,624	61.8	1.49	—	4,611
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	22.8	77.0	99.8	2.35	0.06	—	175
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,136	3,826	4,962	117	2.81	—	8,719
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	222	747	968	22.8	0.55	—	1,701

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City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	210	210	0.02	< 0.005	—	211
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	600	2,023	2,624	61.8	1.49	—	4,611
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	22.8	77.0	99.8	2.35	0.06	—	175
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,136	3,826	4,962	117	2.81	—	8,719
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	222	747	968	22.8	0.55	—	1,701
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	210	210	0.02	< 0.005	—	211
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

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	99.4	335	434	10.2	0.25	—	763
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	3.78	12.7	16.5	0.39	0.01	—	29.0
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	188	633	821	19.3	0.47	—	1,444
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	36.7	124	160	3.77	0.09	—	282
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	34.7	34.7	< 0.005	< 0.005	—	34.9
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	328	1,139	1,467	33.7	0.81	—	2,553

4.5. Waste Emissions by Land Use

4.5.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	884	0.00	884	88.3	0.00	—	3,092
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.1	0.00	91.1	9.10	0.00	—	319
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,298	0.00	1,298	130	0.00	—	4,542
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	253	0.00	253	25.3	0.00	—	886
City Park	—	—	—	—	—	—	—	—	—	—	—	2.79	0.00	2.79	0.28	0.00	—	9.77
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	884	0.00	884	88.3	0.00	—	—	3,092
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.1	0.00	91.1	9.10	0.00	—	—	319
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,298	0.00	1,298	130	0.00	—	—	4,542
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	253	0.00	253	25.3	0.00	—	—	886
City Park	—	—	—	—	—	—	—	—	—	—	—	2.79	0.00	2.79	0.28	0.00	—	—	9.77
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	—	8,848
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	146	0.00	146	14.6	0.00	—	—	512
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	15.1	0.00	15.1	1.51	0.00	—	—	52.7

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	215	0.00	215	21.5	0.00	—	752
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	41.9	0.00	41.9	4.19	0.00	—	147
City Park	—	—	—	—	—	—	—	—	—	—	—	0.46	0.00	0.46	0.05	0.00	—	1.62
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	419	0.00	419	41.8	0.00	—	1,465

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61	0.61

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Refrigerated	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	510	510
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61	0.61
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	510	510
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.4	84.4
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.9	84.9

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	1.02	0.85	8.63	17.2	0.02	0.24	—	0.24	0.22	—	0.22	—	2,613	2,613	0.11	0.02	—	2,622
Total	1.02	0.85	8.63	17.2	0.02	0.24	—	0.24	0.22	—	0.22	—	2,613	2,613	0.11	0.02	—	2,622
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	1.02	0.85	8.63	17.2	0.02	0.24	—	0.24	0.22	—	0.22	—	2,613	2,613	0.11	0.02	—	2,622
Total	1.02	0.85	8.63	17.2	0.02	0.24	—	0.24	0.22	—	0.22	—	2,613	2,613	0.11	0.02	—	2,622
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.19	0.16	1.58	3.15	< 0.005	0.04	—	0.04	0.04	—	0.04	—	433	433	0.02	< 0.005	—	434
Total	0.19	0.16	1.58	3.15	< 0.005	0.04	—	0.04	0.04	—	0.04	—	433	433	0.02	< 0.005	—	434

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	20.6	18.7	52.3	47.7	0.09	2.75	0.00	2.75	2.75	0.00	2.75	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	20.6	18.7	52.3	47.7	0.09	2.75	0.00	2.75	2.75	0.00	2.75	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	20.6	18.7	52.3	47.7	0.09	2.75	0.00	2.75	2.75	0.00	2.75	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	20.6	18.7	52.3	47.7	0.09	2.75	0.00	2.75	2.75	0.00	2.75	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.51	0.47	1.31	1.19	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	217	217	0.01	< 0.005	0.00	218
Total	0.51	0.47	1.31	1.19	< 0.005	0.07	0.00	0.07	0.07	0.00	0.07	0.00	217	217	0.01	< 0.005	0.00	218

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
Office Park	19,719	1,601	1,453	5,300,336	39,439	3,202	2,906	10,600,672
Regional Shopping Center	6,354	12,303	8,990	2,766,960	8,604	18,529	13,539	3,915,225

Unrefrigerated Warehouse-No Rail	4,374	359	144	1,166,629	8,749	718	287	2,333,258
Refrigerated Warehouse-No Rail	669	54.5	22.0	178,407	1,338	109	44.0	356,814
City Park	2,145	5,550	6,202	1,171,975	4,290	11,101	12,403	2,343,951
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1,351	110	3.06	358,026	2,701	221	6.13	716,053
User Defined Commercial	705	58.2	52.9	189,665	1,411	116	106	379,331

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	7,479,975	2,493,325	509,160

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)
Office Park	16,900,118	346	0.0330	0.0040	0.00
Regional Shopping Center	1,951,952	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	5,946,160	346	0.0330	0.0040	0.00
Refrigerated Warehouse-No Rail	19,920,000	346	0.0330	0.0040	0.00
City Park	1,144,757	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
User Defined Commercial	0.00	346	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)
Office Park	313,374,812	0.00
Regional Shopping Center	11,919,750	0.00
Unrefrigerated Warehouse-No Rail	592,592,000	0.00
Refrigerated Warehouse-No Rail	115,625,000	0.00
City Park	0.00	41,633,942
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
User Defined Commercial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	1,640	—
Regional Shopping Center	169	—
Unrefrigerated Warehouse-No Rail	2,409	—
Refrigerated Warehouse-No Rail	470	—
City Park	5.18	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
User Defined Commercial	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
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Refrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0

City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
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5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Tractors/Loaders/Backhoes	Diesel	Average	18.0	4.00	84.0	0.37

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	19.0	1.00	50.0	300	0.73

5.16.2. Process Boilers

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

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

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

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

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

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

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

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

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

6.3. Adjusted Climate Risk Scores

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

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

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

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	97.6
AQ-PM	59.8
AQ-DPM	40.3
Drinking Water	70.7
Lead Risk Housing	53.6
Pesticides	13.2
Toxic Releases	64.0
Traffic	82.0
Effect Indicators	—
CleanUp Sites	82.5
Groundwater	97.9
Haz Waste Facilities/Generators	87.9
Impaired Water Bodies	0.00

Solid Waste	84.9
Sensitive Population	—
Asthma	71.5
Cardio-vascular	86.8
Low Birth Weights	97.0
Socioeconomic Factor Indicators	—
Education	82.5
Housing	59.7
Linguistic	82.8
Poverty	89.3
Unemployment	81.0

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	8.353650712
Employed	6.480174516
Median HI	22.3662261
Education	—
Bachelor's or higher	30.14243552
High school enrollment	100
Preschool enrollment	10.97138458
Transportation	—
Auto Access	10.29128705
Active commuting	87.46310792
Social	—

2-parent households	6.223533941
Voting	6.13370974
Neighborhood	—
Alcohol availability	44.43731554
Park access	43.37225715
Retail density	18.60644168
Supermarket access	67.43231105
Tree canopy	3.977928911
Housing	—
Homeownership	8.353650712
Housing habitability	10.4452714
Low-inc homeowner severe housing cost burden	45.06608495
Low-inc renter severe housing cost burden	46.23379956
Uncrowded housing	21.62196843
Health Outcomes	—
Insured adults	12.4085718
Arthritis	51.7
Asthma ER Admissions	24.0
High Blood Pressure	30.0
Cancer (excluding skin)	80.0
Asthma	9.8
Coronary Heart Disease	57.7
Chronic Obstructive Pulmonary Disease	27.0
Diagnosed Diabetes	31.9
Life Expectancy at Birth	7.4
Cognitively Disabled	15.9
Physically Disabled	19.5

Heart Attack ER Admissions	20.1
Mental Health Not Good	14.9
Chronic Kidney Disease	35.4
Obesity	8.3
Pedestrian Injuries	77.2
Physical Health Not Good	20.0
Stroke	29.9
Health Risk Behaviors	—
Binge Drinking	63.5
Current Smoker	15.5
No Leisure Time for Physical Activity	16.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	18.1
Elderly	24.3
English Speaking	44.9
Foreign-born	53.3
Outdoor Workers	18.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	73.9
Traffic Density	76.9
Traffic Access	61.5
Other Indices	—
Hardship	89.9
Other Decision Support	—
2016 Voting	11.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	98.0
Healthy Places Index Score for Project Location (b)	5.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Based on Project site plan.
Operations: Vehicle Data	Trips adjusted per Project traffic study
Operations: Fleet Mix	Fleet mix adjusted based on Project traffic study
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. As of 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.
Operations: Energy Use	Electricity usage based on CalEEMod 2020 calculations. Project will not use natural gas.
Operations: Off-Road Equipment	Assumes 3.6 pieces of equipment per million square feet.

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14064 West Campus Upper Plateau Ops Mitigated LST
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	10.0
Location	33.907344901223, -117.30803322631292
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5480
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.20

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Office Park	1,763	1000sqft	40.5	1,763,170	0.00	—	—	—

Regional Shopping Center	161	1000sqft	3.69	160,920	0.00	—	—	—
Unrefrigerated Warehouse-No Rail	2,563	1000sqft	58.8	2,562,560	0.00	—	—	—
Refrigerated Warehouse-No Rail	500	1000sqft	11.5	500,000	0.00	—	—	—
City Park	60.3	Acre	60.3	0.00	2,625,801	0.00	—	—
Other Asphalt Surfaces	8,486	1000sqft	195	0.00	0.00	—	—	—
User Defined Industrial	3,063	User Defined Unit	0.00	0.00	0.00	—	—	—
User Defined Commercial	1,763	User Defined Unit	0.00	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Water	W-4	Require Low-Flow Water Fixtures
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment

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.	189	302	77.7	722	0.89	1.36	60.0	61.3	1.22	15.2	16.4	4,510	141,857	146,366	468	11.8	702	162,290
Mit.	151	266	75.8	505	0.88	0.97	60.0	61.0	0.93	15.2	16.2	4,141	139,857	143,999	431	10.9	702	158,702

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% Reduced	20%	12%	2%	30%	1%	28%	—	1%	24%	—	2%	8%	1%	2%	8%	8%	—	2%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	143	258	80.2	497	0.84	0.97	60.0	61.0	0.93	15.2	16.2	4,510	136,988	141,497	469	12.0	518	157,303
Mit.	143	258	80.2	497	0.84	0.97	60.0	61.0	0.93	15.2	16.2	4,141	135,748	139,889	431	11.0	518	154,477
% Reduced	—	—	—	—	—	—	—	—	—	—	—	8%	1%	1%	8%	8%	—	2%
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	110	227	53.3	469	0.54	0.79	39.9	40.7	0.70	10.1	10.8	4,510	105,321	109,831	466	9.84	567	124,983
Mit.	83.8	202	52.0	320	0.53	0.52	39.9	40.4	0.50	10.1	10.6	4,141	103,561	107,702	428	8.92	567	121,635
% Reduced	24%	11%	2%	32%	2%	34%	—	1%	29%	—	2%	8%	2%	2%	8%	9%	—	3%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	20.1	41.3	9.72	85.5	0.10	0.14	7.28	7.42	0.13	1.85	1.97	747	17,437	18,184	77.2	1.63	93.9	20,692
Mit.	15.3	36.9	9.49	58.4	0.10	0.10	7.28	7.37	0.09	1.85	1.94	686	17,146	17,831	70.9	1.48	93.9	20,138
% Reduced	24%	11%	2%	32%	2%	34%	—	1%	29%	—	2%	8%	2%	2%	8%	9%	—	3%

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	130	125	69.1	439	0.76	0.65	60.0	60.6	0.61	15.2	15.8	—	78,399	78,399	7.22	6.27	190	80,639
Area	38.6	158	1.82	217	0.01	0.39	—	0.39	0.29	—	0.29	—	892	892	0.04	0.01	—	895

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Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,500	43,500	4.15	0.50	—	43,754
Water	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Off-Road	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Stationary	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	189	302	77.7	722	0.89	1.36	60.0	61.3	1.22	15.2	16.4	4,510	141,857	146,366	468	11.8	702	162,290
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	122	117	73.4	431	0.72	0.65	60.0	60.6	0.61	15.2	15.8	—	74,422	74,422	7.91	6.45	4.92	76,547
Area	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,500	43,500	4.15	0.50	—	43,754
Water	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Off-Road	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Stationary	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	143	258	80.2	497	0.84	0.97	60.0	61.0	0.93	15.2	16.2	4,510	136,988	141,497	469	12.0	518	157,303
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	80.7	77.2	50.0	295	0.49	0.44	39.9	40.3	0.41	10.1	10.5	—	50,404	50,404	5.33	4.39	54.6	51,900
Area	26.4	147	1.25	149	0.01	0.26	—	0.26	0.20	—	0.20	—	611	611	0.03	0.01	—	613
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,500	43,500	4.15	0.50	—	43,754
Water	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513

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Off-Road	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Stationary	2.82	2.56	0.75	6.53	0.01	0.04	0.00	0.04	0.04	0.00	0.04	0.00	1,311	1,311	0.05	0.01	0.00	1,315
Total	110	227	53.3	469	0.54	0.79	39.9	40.7	0.70	10.1	10.8	4,510	105,321	109,831	466	9.84	567	124,983
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.7	14.1	9.12	53.9	0.09	0.08	7.28	7.36	0.07	1.85	1.92	—	8,345	8,345	0.88	0.73	9.04	8,593
Area	4.83	26.8	0.23	27.1	< 0.005	0.05	—	0.05	0.04	—	0.04	—	101	101	< 0.005	< 0.005	—	101
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	7,202	7,202	0.69	0.08	—	7,244
Water	—	—	—	—	—	—	—	—	—	—	—	328	1,139	1,467	33.7	0.81	—	2,553
Waste	—	—	—	—	—	—	—	—	—	—	—	419	0.00	419	41.8	0.00	—	1,465
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.9	84.9
Off-Road	0.05	0.05	0.23	3.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	433	433	0.02	< 0.005	—	434
Stationary	0.51	0.47	0.14	1.19	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	217	217	0.01	< 0.005	0.00	218
Total	20.1	41.3	9.72	85.5	0.10	0.14	7.28	7.42	0.13	1.85	1.97	747	17,437	18,184	77.2	1.63	93.9	20,692

2.6. Operations Emissions by Sector, Mitigated

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	130	125	69.1	439	0.76	0.65	60.0	60.6	0.61	15.2	15.8	—	78,399	78,399	7.22	6.27	190	80,639
Area	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,633	43,633	4.16	0.50	—	43,887
Water	—	—	—	—	—	—	—	—	—	—	—	1,612	5,642	7,255	166	3.99	—	12,591
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Off-Road	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622

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Stationary	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	151	266	75.8	505	0.88	0.97	60.0	61.0	0.93	15.2	16.2	4,141	139,857	143,999	431	10.9	702	158,702
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	122	117	73.4	431	0.72	0.65	60.0	60.6	0.61	15.2	15.8	—	74,422	74,422	7.91	6.45	4.92	76,547
Area	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,500	43,500	4.15	0.50	—	43,754
Water	—	—	—	—	—	—	—	—	—	—	—	1,612	5,642	7,255	166	3.99	—	12,591
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Off-Road	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Stationary	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	143	258	80.2	497	0.84	0.97	60.0	61.0	0.93	15.2	16.2	4,141	135,748	139,889	431	11.0	518	154,477
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	80.7	77.2	50.0	295	0.49	0.44	39.9	40.3	0.41	10.1	10.5	—	50,404	50,404	5.33	4.39	54.6	51,900
Area	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	43,591	43,591	4.16	0.50	—	43,845
Water	—	—	—	—	—	—	—	—	—	—	—	1,612	5,642	7,255	166	3.99	—	12,591
Waste	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Off-Road	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Stationary	2.82	2.56	0.75	6.53	0.01	0.04	0.00	0.04	0.04	0.00	0.04	0.00	1,311	1,311	0.05	0.01	0.00	1,315
Total	83.8	202	52.0	320	0.53	0.52	39.9	40.4	0.50	10.1	10.6	4,141	103,561	107,702	428	8.92	567	121,635
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	14.7	14.1	9.12	53.9	0.09	0.08	7.28	7.36	0.07	1.85	1.92	—	8,345	8,345	0.88	0.73	9.04	8,593

Area	—	22.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	7,217	7,217	0.69	0.08	—	7,259
Water	—	—	—	—	—	—	—	—	—	—	—	267	934	1,201	27.5	0.66	—	2,085
Waste	—	—	—	—	—	—	—	—	—	—	—	419	0.00	419	41.8	0.00	—	1,465
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.9	84.9
Off-Road	0.05	0.05	0.23	3.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	433	433	0.02	< 0.005	—	434
Stationary	0.51	0.47	0.14	1.19	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	217	217	0.01	< 0.005	0.00	218
Total	15.3	36.9	9.49	58.4	0.10	0.10	7.28	7.37	0.09	1.85	1.94	686	17,146	17,831	70.9	1.48	93.9	20,138

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	55.1	53.3	13.4	201	0.30	0.17	27.5	27.6	0.16	6.93	7.09	—	29,862	29,862	2.89	1.68	73.0	30,507
Regional Shopping Center	38.6	37.4	14.0	107	0.16	0.14	13.1	13.3	0.13	3.33	3.46	—	16,697	16,697	1.85	1.34	42.5	17,186
Unrefrigerated Warehouse-No Rail	12.2	11.8	2.97	44.5	0.07	0.04	6.09	6.13	0.04	1.54	1.57	—	6,624	6,624	0.64	0.37	16.2	6,767

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Refrigerated	1.87	1.81	0.45	6.81	0.01	0.01	0.93	0.94	0.01	0.24	0.24	—	1,013	1,013	0.10	0.06	2.48	1,035
City Park	19.8	19.1	7.75	61.7	0.11	0.09	8.78	8.87	0.08	2.23	2.31	—	10,815	10,815	0.99	0.76	28.4	11,096
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	1.47	0.91	20.1	11.9	0.08	0.13	2.37	2.50	0.13	0.63	0.76	—	8,795	8,795	0.49	1.35	17.8	9,229
User Defined Commercial	0.77	0.48	10.5	6.22	0.04	0.07	1.24	1.31	0.07	0.33	0.40	—	4,593	4,593	0.26	0.71	9.30	4,819
Total	130	125	69.1	439	0.76	0.65	60.0	60.6	0.61	15.2	15.8	—	78,399	78,399	7.22	6.27	190	80,639
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	52.4	50.5	14.5	195	0.27	0.17	27.5	27.6	0.16	6.93	7.09	—	27,815	27,815	3.22	1.76	1.89	28,420
Regional Shopping Center	36.1	34.8	14.8	107	0.15	0.14	13.1	13.3	0.13	3.33	3.46	—	15,825	15,825	2.04	1.39	1.10	16,290
Unrefrigerated Warehouse-No Rail	11.6	11.2	3.21	43.2	0.06	0.04	6.09	6.13	0.04	1.54	1.57	—	6,170	6,170	0.71	0.39	0.42	6,304
Refrigerated Warehouse-No Rail	1.78	1.71	0.49	6.60	0.01	0.01	0.93	0.94	0.01	0.24	0.24	—	944	944	0.11	0.06	0.06	964
City Park	18.5	17.7	8.25	60.1	0.10	0.09	8.78	8.87	0.08	2.23	2.31	—	10,226	10,226	1.08	0.79	0.74	10,489
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

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User Defined Industrial	1.37	0.82	21.1	12.3	0.08	0.13	2.37	2.50	0.13	0.63	0.76	—	8,831	8,831	0.49	1.36	0.46	9,249
User Defined Commercial	0.72	0.43	11.0	6.41	0.04	0.07	1.24	1.31	0.07	0.33	0.40	—	4,612	4,612	0.26	0.71	0.24	4,830
Total	122	117	73.4	431	0.72	0.65	60.0	60.6	0.61	15.2	15.8	—	74,422	74,422	7.91	6.45	4.92	76,547
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	6.96	6.70	1.98	26.8	0.04	0.02	3.67	3.69	0.02	0.93	0.95	—	3,428	3,428	0.39	0.22	3.84	3,506
Regional Shopping Center	4.00	3.85	1.64	12.1	0.02	0.02	1.38	1.39	0.01	0.35	0.36	—	1,543	1,543	0.21	0.14	1.76	1,591
Unrefrigerated Warehouse-No Rail	1.53	1.47	0.44	5.90	0.01	0.01	0.81	0.81	< 0.005	0.20	0.21	—	755	755	0.09	0.05	0.85	772
Refrigerated Warehouse-No Rail	0.23	0.23	0.07	0.90	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.03	—	115	115	0.01	0.01	0.13	118
City Park	1.73	1.66	0.78	5.80	0.01	0.01	0.82	0.83	0.01	0.21	0.22	—	884	884	0.09	0.07	1.05	908
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	0.19	0.11	2.75	1.60	0.01	0.02	0.31	0.33	0.02	0.08	0.10	—	1,059	1,059	0.06	0.16	0.92	1,110
User Defined Commercial	0.10	0.06	1.46	0.85	0.01	0.01	0.17	0.17	0.01	0.04	0.05	—	561	561	0.03	0.09	0.49	588
Total	14.7	14.1	9.12	53.9	0.09	0.08	7.28	7.36	0.07	1.85	1.92	—	8,345	8,345	0.88	0.73	9.04	8,593

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	55.1	53.3	13.4	201	0.30	0.17	27.5	27.6	0.16	6.93	7.09	—	29,862	29,862	2.89	1.68	73.0	30,507
Regional Shopping Center	38.6	37.4	14.0	107	0.16	0.14	13.1	13.3	0.13	3.33	3.46	—	16,697	16,697	1.85	1.34	42.5	17,186
Unrefrigerated Warehouse-No Rail	12.2	11.8	2.97	44.5	0.07	0.04	6.09	6.13	0.04	1.54	1.57	—	6,624	6,624	0.64	0.37	16.2	6,767
Refrigerated Warehouse-No Rail	1.87	1.81	0.45	6.81	0.01	0.01	0.93	0.94	0.01	0.24	0.24	—	1,013	1,013	0.10	0.06	2.48	1,035
City Park	19.8	19.1	7.75	61.7	0.11	0.09	8.78	8.87	0.08	2.23	2.31	—	10,815	10,815	0.99	0.76	28.4	11,096
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	1.47	0.91	20.1	11.9	0.08	0.13	2.37	2.50	0.13	0.63	0.76	—	8,795	8,795	0.49	1.35	17.8	9,229
User Defined Commercial	0.77	0.48	10.5	6.22	0.04	0.07	1.24	1.31	0.07	0.33	0.40	—	4,593	4,593	0.26	0.71	9.30	4,819
Total	130	125	69.1	439	0.76	0.65	60.0	60.6	0.61	15.2	15.8	—	78,399	78,399	7.22	6.27	190	80,639

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	52.4	50.5	14.5	195	0.27	0.17	27.5	27.6	0.16	6.93	7.09	—	27,815	27,815	3.22	1.76	1.89	28,420
Regional Shopping Center	36.1	34.8	14.8	107	0.15	0.14	13.1	13.3	0.13	3.33	3.46	—	15,825	15,825	2.04	1.39	1.10	16,290
Unrefrigerated Warehouse-No Rail	11.6	11.2	3.21	43.2	0.06	0.04	6.09	6.13	0.04	1.54	1.57	—	6,170	6,170	0.71	0.39	0.42	6,304
Refrigerated Warehouse-No Rail	1.78	1.71	0.49	6.60	0.01	0.01	0.93	0.94	0.01	0.24	0.24	—	944	944	0.11	0.06	0.06	964
City Park	18.5	17.7	8.25	60.1	0.10	0.09	8.78	8.87	0.08	2.23	2.31	—	10,226	10,226	1.08	0.79	0.74	10,489
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	1.37	0.82	21.1	12.3	0.08	0.13	2.37	2.50	0.13	0.63	0.76	—	8,831	8,831	0.49	1.36	0.46	9,249
User Defined Commercial	0.72	0.43	11.0	6.41	0.04	0.07	1.24	1.31	0.07	0.33	0.40	—	4,612	4,612	0.26	0.71	0.24	4,830
Total	122	117	73.4	431	0.72	0.65	60.0	60.6	0.61	15.2	15.8	—	74,422	74,422	7.91	6.45	4.92	76,547
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	6.96	6.70	1.98	26.8	0.04	0.02	3.67	3.69	0.02	0.93	0.95	—	3,428	3,428	0.39	0.22	3.84	3,506
Regional Shopping Center	4.00	3.85	1.64	12.1	0.02	0.02	1.38	1.39	0.01	0.35	0.36	—	1,543	1,543	0.21	0.14	1.76	1,591

Unrefrigerated	1.53	1.47	0.44	5.90	0.01	0.01	0.81	0.81	< 0.005	0.20	0.21	—	755	755	0.09	0.05	0.85	772
Refrigerated Warehouse-No Rail	0.23	0.23	0.07	0.90	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.03	—	115	115	0.01	0.01	0.13	118
City Park	1.73	1.66	0.78	5.80	0.01	0.01	0.82	0.83	0.01	0.21	0.22	—	884	884	0.09	0.07	1.05	908
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	0.19	0.11	2.75	1.60	0.01	0.02	0.31	0.33	0.02	0.08	0.10	—	1,059	1,059	0.06	0.16	0.92	1,110
User Defined Commercial	0.10	0.06	1.46	0.85	0.01	0.01	0.17	0.17	0.01	0.04	0.05	—	561	561	0.03	0.09	0.49	588
Total	14.7	14.1	9.12	53.9	0.09	0.08	7.28	7.36	0.07	1.85	1.92	—	8,345	8,345	0.88	0.73	9.04	8,593

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	16,029	16,029	1.53	0.19	—	16,123
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,851	1,851	0.18	0.02	—	1,862

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Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	—	5,640	5,640	0.54	0.07	—	5,673
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	18,894	18,894	1.80	0.22	—	19,004
City Park	—	—	—	—	—	—	—	—	—	—	—	—	1,086	1,086	0.10	0.01	—	1,092
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	43,500	43,500	4.15	0.50	—	43,754
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	16,029	16,029	1.53	0.19	—	16,123
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,851	1,851	0.18	0.02	—	1,862
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	5,640	5,640	0.54	0.07	—	5,673
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	18,894	18,894	1.80	0.22	—	19,004

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City Park	—	—	—	—	—	—	—	—	—	—	—	—	1,086	1,086	0.10	0.01	—	1,092
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	43,500	43,500	4.15	0.50	—	43,754
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	2,654	2,654	0.25	0.03	—	2,669
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	307	307	0.03	< 0.005	—	308
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	934	934	0.09	0.01	—	939
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	3,128	3,128	0.30	0.04	—	3,146
City Park	—	—	—	—	—	—	—	—	—	—	—	—	180	180	0.02	< 0.005	—	181
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

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,202	7,202	0.69	0.08	—	7,244

4.2.2. Electricity Emissions By Land Use - Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	16,076	16,076	1.53	0.19	—	16,170
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,856	1,856	0.18	0.02	—	1,866
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	5,708	5,708	0.54	0.07	—	5,741
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	18,907	18,907	1.80	0.22	—	19,017
City Park	—	—	—	—	—	—	—	—	—	—	—	—	1,086	1,086	0.10	0.01	—	1,092
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

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User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	43,633	43,633	4.16	0.50	—	43,887
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	16,029	16,029	1.53	0.19	—	16,123
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	1,851	1,851	0.18	0.02	—	1,862
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	5,640	5,640	0.54	0.07	—	5,673
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	18,894	18,894	1.80	0.22	—	19,004
City Park	—	—	—	—	—	—	—	—	—	—	—	—	1,086	1,086	0.10	0.01	—	1,092
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	43,500	43,500	4.15	0.50	—	43,754
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	2,659	2,659	0.25	0.03	—	2,675

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	307	307	0.03	< 0.005	—	309
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	941	941	0.09	0.01	—	947
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	3,130	3,130	0.30	0.04	—	3,148
City Park	—	—	—	—	—	—	—	—	—	—	—	—	180	180	0.02	< 0.005	—	181
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	7,217	7,217	0.69	0.08	—	7,259

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

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Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	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
User Defined Commercial	0.00	0.00	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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

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Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	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
User Defined Commercial	0.00	0.00	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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	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
User Defined Commercial	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

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

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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
User Defined Commercial	0.00	0.00	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	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	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
User Defined Commercial	0.00	0.00	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	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Regional Shopping Center	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Refrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
City Park	0.00	0.00	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
User Defined Commercial	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. 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
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Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	13.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	38.6	35.6	1.82	217	0.01	0.39	—	0.39	0.29	—	0.29	—	892	892	0.04	0.01	—	895
Total	38.6	158	1.82	217	0.01	0.39	—	0.39	0.29	—	0.29	—	892	892	0.04	0.01	—	895
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	13.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	2.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	4.83	4.45	0.23	27.1	< 0.005	0.05	—	0.05	0.04	—	0.04	—	101	101	< 0.005	< 0.005	—	101
Total	4.83	26.8	0.23	27.1	< 0.005	0.05	—	0.05	0.04	—	0.04	—	101	101	< 0.005	< 0.005	—	101

4.3.2. Mitigated

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	—	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	13.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	109	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	13.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	122	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	19.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	2.43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	22.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	600	2,023	2,624	61.8	1.49	—	4,611
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	22.8	77.0	99.8	2.35	0.06	—	175
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,136	3,826	4,962	117	2.81	—	8,719
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	222	747	968	22.8	0.55	—	1,701
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	210	210	0.02	< 0.005	—	211
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	15,418

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Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	600	2,023	2,624	61.8	1.49	—	—	4,611
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	22.8	77.0	99.8	2.35	0.06	—	—	175
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,136	3,826	4,962	117	2.81	—	—	8,719
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	222	747	968	22.8	0.55	—	—	1,701
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	210	210	0.02	< 0.005	—	—	211
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,980	6,883	8,863	204	4.90	—	—	15,418
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	99.4	335	434	10.2	0.25	—	—	763
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	3.78	12.7	16.5	0.39	0.01	—	—	29.0

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	188	633	821	19.3	0.47	—	1,444
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	36.7	124	160	3.77	0.09	—	282
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	34.7	34.7	< 0.005	< 0.005	—	34.9
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	328	1,139	1,467	33.7	0.81	—	2,553

4.4.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	489	1,647	2,136	50.3	1.21	—	3,754
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	18.8	63.2	82.0	1.93	0.05	—	144

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Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	923	3,111	4,034	95.0	2.29	—	7,090
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	181	611	792	18.7	0.45	—	1,393
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	210	210	0.02	< 0.005	—	211
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,612	5,642	7,255	166	3.99	—	12,591
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	489	1,647	2,136	50.3	1.21	—	3,754
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	18.8	63.2	82.0	1.93	0.05	—	144
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	923	3,111	4,034	95.0	2.29	—	7,090

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Refrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	181	611	792	18.7	0.45	—	1,393
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	210	210	0.02	< 0.005	—	211
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1,612	5,642	7,255	166	3.99	—	12,591
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	80.9	273	354	8.33	0.20	—	622
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	3.11	10.5	13.6	0.32	0.01	—	23.8
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	153	515	668	15.7	0.38	—	1,174
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	30.0	101	131	3.09	0.07	—	231
City Park	—	—	—	—	—	—	—	—	—	—	—	0.00	34.7	34.7	< 0.005	< 0.005	—	34.9
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	267	934	1,201	27.5	0.66	—	2,085

4.5. Waste Emissions by Land Use

4.5.1. 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	884	0.00	884	88.3	0.00	—	3,092
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.1	0.00	91.1	9.10	0.00	—	319
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,298	0.00	1,298	130	0.00	—	4,542
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	253	0.00	253	25.3	0.00	—	886
City Park	—	—	—	—	—	—	—	—	—	—	—	2.79	0.00	2.79	0.28	0.00	—	9.77

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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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	884	0.00	884	88.3	0.00	—	3,092
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.1	0.00	91.1	9.10	0.00	—	319
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,298	0.00	1,298	130	0.00	—	4,542
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	253	0.00	253	25.3	0.00	—	886
City Park	—	—	—	—	—	—	—	—	—	—	—	2.79	0.00	2.79	0.28	0.00	—	9.77
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

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	146	0.00	146	14.6	0.00	—	512
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	15.1	0.00	15.1	1.51	0.00	—	52.7
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	215	0.00	215	21.5	0.00	—	752
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	41.9	0.00	41.9	4.19	0.00	—	147
City Park	—	—	—	—	—	—	—	—	—	—	—	0.46	0.00	0.46	0.05	0.00	—	1.62
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	419	0.00	419	41.8	0.00	—	1,465

4.5.2. Mitigated

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

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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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	884	0.00	884	88.3	0.00	—	3,092
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.1	0.00	91.1	9.10	0.00	—	319
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,298	0.00	1,298	130	0.00	—	4,542
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	253	0.00	253	25.3	0.00	—	886
City Park	—	—	—	—	—	—	—	—	—	—	—	2.79	0.00	2.79	0.28	0.00	—	9.77
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	884	0.00	884	88.3	0.00	—	3,092

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Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	91.1	0.00	91.1	9.10	0.00	—	319
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,298	0.00	1,298	130	0.00	—	4,542
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	253	0.00	253	25.3	0.00	—	886
City Park	—	—	—	—	—	—	—	—	—	—	—	2.79	0.00	2.79	0.28	0.00	—	9.77
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	2,529	0.00	2,529	253	0.00	—	8,848
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	146	0.00	146	14.6	0.00	—	512
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	15.1	0.00	15.1	1.51	0.00	—	52.7
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	215	0.00	215	21.5	0.00	—	752

Refrigerated	—	—	—	—	—	—	—	—	—	—	—	41.9	0.00	41.9	4.19	0.00	—	147
City Park	—	—	—	—	—	—	—	—	—	—	—	0.46	0.00	0.46	0.05	0.00	—	1.62
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
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	419	0.00	419	41.8	0.00	—	1,465

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61	0.61
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	510	510
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61	0.61
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	510	510
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.4	84.4
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.9	84.9

4.6.2. Mitigated

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

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

14064 West Campus Upper Plateau Ops Mitigated LST Detailed Report, 10/25/2023

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61	0.61
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	510	510
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2.52	2.52
Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.61	0.61
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	510	510
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	513	513
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Office Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.42	0.42

Regional Shopping Center	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.10	0.10
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.4	84.4
City Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	84.9	84.9

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Total	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Total	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.05	0.05	0.23	3.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	433	433	0.02	< 0.005	—	434
Total	0.05	0.05	0.23	3.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	433	433	0.02	< 0.005	—	434

4.7.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Total	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Total	0.25	0.25	1.28	18.3	0.02	0.05	—	0.05	0.05	—	0.05	—	2,613	2,613	0.11	0.02	—	2,622
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Tractors/Loaders/Backhoes	0.05	0.05	0.23	3.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	433	433	0.02	< 0.005	—	434
Total	0.05	0.05	0.23	3.33	< 0.005	0.01	—	0.01	0.01	—	0.01	—	433	433	0.02	< 0.005	—	434

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.51	0.47	0.14	1.19	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	217	217	0.01	< 0.005	0.00	218
Total	0.51	0.47	0.14	1.19	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	217	217	0.01	< 0.005	0.00	218

4.8.2. Mitigated

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

Equipment	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Total	20.6	18.7	5.50	47.7	0.09	0.28	0.00	0.28	0.28	0.00	0.28	0.00	9,570	9,570	0.38	0.07	0.00	9,602
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Emergency Generator	0.51	0.47	0.14	1.19	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	217	217	0.01	< 0.005	0.00	218
Total	0.51	0.47	0.14	1.19	< 0.005	0.01	0.00	0.01	0.01	0.00	0.01	0.00	217	217	0.01	< 0.005	0.00	218

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

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)

Vegetatio	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

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

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VM/Weekday	VM/Saturday	VM/Sunday	VM/Year
Office Park	19,719	1,601	1,453	5,300,336	39,439	3,202	2,906	10,600,672
Regional Shopping Center	6,354	12,303	8,990	2,766,960	8,604	18,529	13,539	3,915,225
Unrefrigerated Warehouse-No Rail	4,374	359	144	1,166,629	8,749	718	287	2,333,258
Refrigerated Warehouse-No Rail	669	54.5	22.0	178,407	1,338	109	44.0	356,814
City Park	2,145	5,550	6,202	1,171,975	4,290	11,101	12,403	2,343,951
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1,351	110	3.06	358,026	2,701	221	6.13	716,053

User Defined Commercial	705	58.2	52.9	189,665	1,411	116	106	379,331
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5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VM/Weekday	VM/Saturday	VM/Sunday	VM/Year
Office Park	19,719	1,601	1,453	5,300,336	39,439	3,202	2,906	10,600,672
Regional Shopping Center	6,354	12,303	8,990	2,766,960	8,604	18,529	13,539	3,915,225
Unrefrigerated Warehouse-No Rail	4,374	359	144	1,166,629	8,749	718	287	2,333,258
Refrigerated Warehouse-No Rail	669	54.5	22.0	178,407	1,338	109	44.0	356,814
City Park	2,145	5,550	6,202	1,171,975	4,290	11,101	12,403	2,343,951
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1,351	110	3.06	358,026	2,701	221	6.13	716,053
User Defined Commercial	705	58.2	52.9	189,665	1,411	116	106	379,331

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

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)
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0	0.00	7,479,975	2,493,325	509,160
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5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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)
Office Park	16,900,118	346	0.0330	0.0040	0.00
Regional Shopping Center	1,951,952	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	5,946,160	346	0.0330	0.0040	0.00
Refrigerated Warehouse-No Rail	19,920,000	346	0.0330	0.0040	0.00
City Park	1,144,757	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
User Defined Commercial	0.00	346	0.0330	0.0040	0.00

5.11.2. Mitigated

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)
Office Park	16,900,118	346	0.0330	0.0040	0.00
Regional Shopping Center	1,951,952	346	0.0330	0.0040	0.00
Unrefrigerated Warehouse-No Rail	5,946,160	346	0.0330	0.0040	0.00
Refrigerated Warehouse-No Rail	19,920,000	346	0.0330	0.0040	0.00
City Park	1,144,757	346	0.0330	0.0040	0.00
Other Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00
User Defined Commercial	0.00	346	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)
Office Park	313,374,812	0.00
Regional Shopping Center	11,919,750	0.00
Unrefrigerated Warehouse-No Rail	592,592,000	0.00
Refrigerated Warehouse-No Rail	115,625,000	0.00
City Park	0.00	41,633,942
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
User Defined Commercial	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Office Park	255,149,772	0.00
Regional Shopping Center	9,788,499	0.00
Unrefrigerated Warehouse-No Rail	481,836,555	0.00
Refrigerated Warehouse-No Rail	94,650,625	0.00
City Park	0.00	41,633,942
Other Asphalt Surfaces	0.00	0.00
User Defined Industrial	0.00	0.00
User Defined Commercial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	1,640	—
Regional Shopping Center	169	—
Unrefrigerated Warehouse-No Rail	2,409	—
Refrigerated Warehouse-No Rail	470	—
City Park	5.18	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
User Defined Commercial	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Office Park	1,640	—
Regional Shopping Center	169	—

Unrefrigerated Warehouse-No Rail	2,409	—
Refrigerated Warehouse-No Rail	470	—
City Park	5.18	—
Other Asphalt Surfaces	0.00	—
User Defined Industrial	0.00	—
User Defined Commercial	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
Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Refrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
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Office Park	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
Office Park	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Regional Shopping Center	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Refrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0
City Park	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
City Park	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	18.0	4.00	84.0	0.37

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	18.0	4.00	84.0	0.37

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor
Emergency Generator	Diesel	19.0	1.00	50.0	300	0.73

5.16.2. Process Boilers

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

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres
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5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres
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5.18.2. Sequestration

5.18.2.1. Unmitigated

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

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)
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6. Climate Risk Detailed Report

6.1. Climate Risk Summary

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

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

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

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

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

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

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A
Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack Reduction	N/A	N/A	N/A	N/A
Air Quality Degradation	0	0	0	N/A

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

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

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

6.3. Adjusted Climate Risk Scores

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

Air Quality Degradation	1	1	1	2
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The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.

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

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

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	97.6
AQ-PM	59.8
AQ-DPM	40.3
Drinking Water	70.7
Lead Risk Housing	53.6
Pesticides	13.2
Toxic Releases	64.0
Traffic	82.0
Effect Indicators	—
CleanUp Sites	82.5
Groundwater	97.9
Haz Waste Facilities/Generators	87.9
Impaired Water Bodies	0.00
Solid Waste	84.9

Sensitive Population	—
Asthma	71.5
Cardio-vascular	86.8
Low Birth Weights	97.0
Socioeconomic Factor Indicators	—
Education	82.5
Housing	59.7
Linguistic	82.8
Poverty	89.3
Unemployment	81.0

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	8.353650712
Employed	6.480174516
Median HI	22.3662261
Education	—
Bachelor's or higher	30.14243552
High school enrollment	100
Preschool enrollment	10.97138458
Transportation	—
Auto Access	10.29128705
Active commuting	87.46310792
Social	—
2-parent households	6.223533941

Voting	6.13370974
Neighborhood	—
Alcohol availability	44.43731554
Park access	43.37225715
Retail density	18.60644168
Supermarket access	67.43231105
Tree canopy	3.977928911
Housing	—
Homeownership	8.353650712
Housing habitability	10.4452714
Low-inc homeowner severe housing cost burden	45.06608495
Low-inc renter severe housing cost burden	46.23379956
Uncrowded housing	21.62196843
Health Outcomes	—
Insured adults	12.4085718
Arthritis	51.7
Asthma ER Admissions	24.0
High Blood Pressure	30.0
Cancer (excluding skin)	80.0
Asthma	9.8
Coronary Heart Disease	57.7
Chronic Obstructive Pulmonary Disease	27.0
Diagnosed Diabetes	31.9
Life Expectancy at Birth	7.4
Cognitively Disabled	15.9
Physically Disabled	19.5
Heart Attack ER Admissions	20.1

Mental Health Not Good	14.9
Chronic Kidney Disease	35.4
Obesity	8.3
Pedestrian Injuries	77.2
Physical Health Not Good	20.0
Stroke	29.9
Health Risk Behaviors	—
Binge Drinking	63.5
Current Smoker	15.5
No Leisure Time for Physical Activity	16.7
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	18.1
Elderly	24.3
English Speaking	44.9
Foreign-born	53.3
Outdoor Workers	18.2
Climate Change Adaptive Capacity	—
Impervious Surface Cover	73.9
Traffic Density	76.9
Traffic Access	61.5
Other Indices	—
Hardship	89.9
Other Decision Support	—
2016 Voting	11.6

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	98.0
Healthy Places Index Score for Project Location (b)	5.00
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	Yes
Project Located in a Low-Income Community (Assembly Bill 1550)	Yes
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	No

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	Based on Project site plan.
Operations: Vehicle Data	Trips adjusted per Project traffic study
Operations: Fleet Mix	Fleet mix adjusted based on Project traffic study
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. As of 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.
Operations: Energy Use	Electricity usage based on CalEEMod 2020 calculations. Project will not use natural gas.
Operations: Off-Road Equipment	Assumes 3.6 pieces of equipment per million square feet.

Operations: Generators + Pumps EF

Emission factors adjusted based on Tier 4 emission standards.

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APPENDIX 5.5:
TRU EMISSION CALCULATIONS

TRU Calculator - Without Mitigation

2028 Year

Transport Refrigeration Unit - Instate Trailer

102 No. of Units
4 Hours/day

Total Two-Way TRU Trips per day
376

Transport Refrigeration Unit - Instate Truck

86 No. of Units
4 Hours/day

	Activity (hrs/year)
Transport Refrigeration Unit - Instate Trailer	3,434,692
Transport Refrigeration Unit - Instate Truck	140,325

Unit		Emission Factor						
		ROG	NO _x	CO	SOX	PM10	PM2.5	CO ₂
Transport Refrigeration Unit - Instate Trailer	Emissions (tons/day)	3.94E-01	3.61E-01	5.05E-02	0.00E+00	5.95E-03	5.48E-03	7.44E+01
	Emissions (lbs/hr)	8.37E-02	7.66E-02	1.07E-02	0.00E+00	1.27E-03	1.16E-03	1.58E+01
Transport Refrigeration Unit - Instate Truck	Emissions (tons/day)	1.18E-02	1.50E-02	1.29E-03	0.00E+00	7.70E-04	7.08E-04	2.39E+00
	Emissions (lbs/hr)	6.15E-02	7.78E-02	6.69E-03	0.00E+00	4.00E-03	3.68E-03	1.24E+01

Unit		Emissions (lbs/day)						MT/yr
		ROG	NO _x	CO	SOX	PM10	PM2.5	
Transport Refrigeration Unit - Instate Trailer		34.14	31.26	4.38	0.00	0.52	0.48	1,068.59
Transport Refrigeration Unit - Instate Truck		21.16	26.77	2.30	0.00	1.38	1.27	708.12
	Total	55.30	58.03	6.68	0.00	1.89	1.74	1,776.71

TRU Calculator - With Mitigation

2028 Year

Transport Refrigeration Unit - Instate Trailer

102 No. of Units
2.5 Hours/day

Transport Refrigeration Unit - Instate Truck

86 No. of Units
2.5 Hours/day

Total Two-Way TRU Trips per day
376

	Activity (hrs/year)
Transport Refrigeration Unit - Instate Trailer	3,434,692
Transport Refrigeration Unit - Instate Truck	140,325

Unit		Emission Factor						
		ROG	NO _x	CO	SOX	PM10	PM2.5	CO ₂
Transport Refrigeration Unit - Instate Trailer	Emissions (tons/day)	3.94E-01	3.61E-01	5.05E-02	0.00E+00	5.95E-03	5.48E-03	7.44E+01
	Emissions (lbs/hr)	8.37E-02	7.66E-02	1.07E-02	0.00E+00	1.27E-03	1.16E-03	1.58E+01
Transport Refrigeration Unit - Instate Truck	Emissions (tons/day)	1.18E-02	1.50E-02	1.29E-03	0.00E+00	7.70E-04	7.08E-04	2.39E+00
	Emissions (lbs/hr)	6.15E-02	7.78E-02	6.69E-03	0.00E+00	4.00E-03	3.68E-03	1.24E+01

Unit		Emissions (lbs/day)						MT/yr
		ROG	NO _x	CO	SOX	PM10	PM2.5	
Transport Refrigeration Unit - Instate Trailer		21.34	19.54	2.74	0.00	0.32	0.30	667.87
Transport Refrigeration Unit - Instate Truck		13.22	16.73	1.44	0.00	0.86	0.79	442.57
Total		34.56	36.27	4.17	0.00	1.18	1.09	1,110.44

Model Output: OFFROAD2021 (v1.0.5) Emissions Inventory

Region Type: Sub-Area

Region: Riverside (SC)

Calendar Year: 2028

Scenario: All Adopted Rules - Exhaust

Vehicle Classification: OFFROAD2021 Equipment Types

Units: tons/day for Emissions, gallons/year for Fuel, hours/year for Activity, Horsepower-hours/year for Horsepower-hours

Region	Calendar Year	Vehicle Category	Model Year	Horsepower	Bir Fuel	HC_tpd	ROG_tpd	TOG_tpd	CO_tpd	NOx_tpd	CO2_tpd	PM10_tpd	PM2.5_tpd	SOx_tpd	NH3_tpd	Fuel Consumption	Total_Activity_hpy	Total_Population	Horsepower_Hours_hhpy
Riverside (S	2028	Transport Refrigeration Unit - Instate Genset	Aggregate	Aggregate	Diesel	0.001552	0.015852	0.002235	0.001724	0.020066	3.399957	0.000388	0.000357	5337.39	7.62213E-08	110589.61	228773.79	292.79	0
Riverside (S	2028	Transport Refrigeration Unit - Instate Trailer	Aggregate	Aggregate	Diesel	0.045407	0.393741	0.065389	0.050469	0.360515	74.43173	0.005953	0.005478	116848.7	1.66979E-06	2421023.89	3434692.46	1915.12	0
Riverside (S	2028	Transport Refrigeration Unit - Instate Truck	Aggregate	Aggregate	Diesel	0.001157	0.011824	0.001668	0.001287	0.01496	2.390017	0.00077	0.000708	3751.96	5.35761E-08	77739.54	140324.73	412.63	0
Riverside (S	2028	Transport Refrigeration Unit - Out-Of-State Genset	Aggregate	Aggregate	Diesel	0.001241	0.01267	0.001787	0.001379	0.016427	2.714698	0.000351	0.000322	4261.61	6.08676E-08	88300.36	183361.29	1478.56727	0
Riverside (S	2028	Transport Refrigeration Unit - Out-Of-State Trailer	Aggregate	Aggregate	Diesel	0.026058	0.227719	0.037519	0.028928	0.22491	41.29823	0.00451	0.004149	64833.12	9.26018E-07	1343298.03	1981989.98	7286.53	0
Riverside (S	2028	Transport Refrigeration Unit - Railcar TRU	Aggregate	Aggregate	Diesel	0.000933	0.009527	0.001344	0.001037	0.009727	1.61236	0.000192	0.000176	2531.08	3.61508E-08	52444.87	78287.55	239.09	0

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APPENDIX 5.6:

AERMOD LST MODELING OUTPUTS – CONSTRUCTION

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 10/26/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\LSTs\14064 Cons CO\14064 Cons
CO.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

CO STARTING

```

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME 1 8
URBANOPT 2189641 Riverside_County
POLLUTID CO
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14064 Cons CO.err"

```

CO FINISHED

```

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

```

SO STARTING

** Source Location **

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

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

LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL42	VOLUME	472135.642	3751845.064	525.790
LOCATION VOL43	VOLUME	472323.361	3751843.460	510.520
LOCATION VOL44	VOLUME	472512.544	3751852.284	501.450
LOCATION VOL45	VOLUME	472698.022	3751875.469	491.390
LOCATION VOL46	VOLUME	472880.772	3751928.657	487.900
LOCATION VOL47	VOLUME	472608.011	3752044.580	498.520
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810

** Source Parameters **

SRCPARAM VOL1	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL2	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL3	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL4	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL5	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL6	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL7	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL8	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL9	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL10	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL11	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL12	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL13	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL14	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL15	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL16	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL17	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL18	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL19	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL20	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL21	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL22	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL23	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL24	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL25	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL26	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL27	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL28	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL29	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL30	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL31	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL32	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL33	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL34	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL35	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL36	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL37	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL38	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL39	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL40	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL41	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL42	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL43	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL44	0.0839460879	5.000	43.702	1.400
SRCPARAM VOL45	0.0839460879	5.000	43.702	1.400

SRCPARAM	VOL46	0.0839460879	5.000	43.702	1.400
SRCPARAM	VOL47	0.0839460879	5.000	43.702	1.400
SRCPARAM	VOL48	0.0839460879	5.000	43.702	1.400
URBANSRC	ALL				

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

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

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

** Saturday:

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

** Sunday:

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

** WeekDays:

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

** Saturday:

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

** Sunday:

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

** WeekDays:

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

** Saturday:

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

** Sunday:

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

** WeekDays:

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

** Saturday:

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

** Sunday:

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

EMISFACT VOL48 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

RE STARTING
INCLUDED "14064 Cons CO.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
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
RECTABLE 8 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "14064 CONS CO.AD\01H1GALL.PLT" 31
PLOTFILE 8 ALL 1ST "14064 CONS CO.AD\08H1GALL.PLT" 32
SUMMFILE "14064 Cons CO.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 881 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 881 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 48 Source(s),
for Total of 1 Urban Area(s):
- Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: CO

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

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

- with: 0 POINT(s), including
- 0 POINTCAP(s) and 0 POINTHOR(s)
- and: 48 VOLUME source(s)
- and: 0 AREA type source(s)
- and: 0 LINE source(s)
- and: 0 RLINE/RLINEXT source(s)
- and: 0 OPENPIT source(s)
- and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
- and: 0 SWPOINT source(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

- Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
- Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
- Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 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: 14064 Cons

CO.err

**File for Summary of Results: 14064 Cons

CO.sum

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

09:36:29

PAGE 2

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

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER URBAN	EMISSION RATE (GRAMS/SEC)	EMISSION RATE	X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ
SOURCE ID (METERS)	SCALAR VARY CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
VOL1	0	0.83946E-01	471175.5	3752366.4	510.2	5.00	43.70	1.40	
YES HRDOW									
VOL2	0	0.83946E-01	471362.2	3752367.6	512.4	5.00	43.70	1.40	
YES HRDOW									
VOL3	0	0.83946E-01	471550.1	3752368.4	518.9	5.00	43.70	1.40	
YES HRDOW									
VOL4	0	0.83946E-01	471609.6	3752371.6	516.0	5.00	43.70	1.40	
YES HRDOW									
VOL5	0	0.83946E-01	471796.7	3752342.2	515.1	5.00	43.70	1.40	
YES HRDOW									
VOL6	0	0.83946E-01	471984.7	3752344.6	513.6	5.00	43.70	1.40	
YES HRDOW									
VOL7	0	0.83946E-01	472003.7	3752347.0	512.1	5.00	43.70	1.40	
YES HRDOW									
VOL8	0	0.83946E-01	472002.9	3752159.1	521.6	5.00	43.70	1.40	
YES HRDOW									
VOL9	0	0.83946E-01	471814.2	3752156.7	520.7	5.00	43.70	1.40	
YES HRDOW									
VOL10	0	0.83946E-01	471628.6	3752181.3	526.8	5.00	43.70	1.40	
YES HRDOW									
VOL11	0	0.83946E-01	471440.7	3752181.3	527.4	5.00	43.70	1.40	
YES HRDOW									
VOL12	0	0.83946E-01	471253.6	3752180.5	518.9	5.00	43.70	1.40	
YES HRDOW									
VOL13	0	0.83946E-01	471092.6	3752217.7	509.6	5.00	43.70	1.40	
YES HRDOW									
VOL14	0	0.83946E-01	471074.4	3752029.0	516.1	5.00	43.70	1.40	
YES HRDOW									
VOL15	0	0.83946E-01	471263.9	3751992.5	521.1	5.00	43.70	1.40	
YES HRDOW									
VOL16	0	0.83946E-01	471452.6	3751994.1	530.0	5.00	43.70	1.40	
YES HRDOW									
VOL17	0	0.83946E-01	471640.5	3751992.5	534.9	5.00	43.70	1.40	
YES HRDOW									
VOL18	0	0.83946E-01	471827.7	3751968.0	533.0	5.00	43.70	1.40	

YES	HRDOW								
VOL19		0	0.83946E-01	472002.9	3751970.3	527.9	5.00	43.70	1.40
YES	HRDOW								
VOL20		0	0.83946E-01	471845.1	3751780.0	538.8	5.00	43.70	1.40
YES	HRDOW								
VOL21		0	0.83946E-01	471657.2	3751803.8	536.0	5.00	43.70	1.40
YES	HRDOW								
VOL22		0	0.83946E-01	471468.5	3751806.2	528.3	5.00	43.70	1.40
YES	HRDOW								
VOL23		0	0.83946E-01	471280.5	3751807.0	525.0	5.00	43.70	1.40
YES	HRDOW								
VOL24		0	0.83946E-01	471093.4	3751841.9	515.6	5.00	43.70	1.40
YES	HRDOW								
VOL25		0	0.83946E-01	470978.4	3751841.9	518.1	5.00	43.70	1.40
YES	HRDOW								
VOL26		0	0.83946E-01	471014.1	3751654.8	520.4	5.00	43.70	1.40
YES	HRDOW								
VOL27		0	0.83946E-01	471201.2	3751654.8	525.1	5.00	43.70	1.40
YES	HRDOW								
VOL28		0	0.83946E-01	471389.2	3751619.1	534.9	5.00	43.70	1.40
YES	HRDOW								
VOL29		0	0.83946E-01	471577.9	3751616.7	529.0	5.00	43.70	1.40
YES	HRDOW								
VOL30		0	0.83946E-01	471724.6	3751620.7	533.8	5.00	43.70	1.40
YES	HRDOW								
VOL31		0	0.83946E-01	471941.0	3751865.7	534.6	5.00	43.70	1.40
YES	HRDOW								
VOL32		0	0.83946E-01	471795.2	3751684.9	537.3	5.00	43.70	1.40
YES	HRDOW								
VOL33		0	0.83946E-01	471577.9	3751434.3	531.1	5.00	43.70	1.40
YES	HRDOW								
VOL34		0	0.83946E-01	471390.0	3751431.9	537.3	5.00	43.70	1.40
YES	HRDOW								
VOL35		0	0.83946E-01	471202.0	3751467.6	526.8	5.00	43.70	1.40
YES	HRDOW								
VOL36		0	0.83946E-01	471065.7	3751504.9	522.0	5.00	43.70	1.40
YES	HRDOW								
VOL37		0	0.83946E-01	471656.4	3751514.4	529.5	5.00	43.70	1.40
YES	HRDOW								
VOL38		0	0.83946E-01	471522.4	3751324.1	529.0	5.00	43.70	1.40
YES	HRDOW								
VOL39		0	0.83946E-01	471332.9	3751322.5	529.5	5.00	43.70	1.40
YES	HRDOW								
VOL40		0	0.83946E-01	471282.9	3751321.7	528.2	5.00	43.70	1.40
YES	HRDOW								

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Campus\14064 Ops\140 ***          10/26/23
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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

VOL41		0	0.83946E-01	471233.8	3751388.3	528.5	5.00	43.70	1.40
-------	--	---	-------------	----------	-----------	-------	------	-------	------

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

.0000E+00 23 .0000E+00 24 .0000E+00
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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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Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

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

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

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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Campus\14064 Ops\140 *** 10/26/23

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

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

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** 09:36:29

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
*** 09:36:29

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

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

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :
HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR HOURLY SCALAR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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Campus\14064 Ops\140 *** 10/26/23
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(HRDOW) *

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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Campus\14064 Ops\140 *** 10/26/23
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*** 09:36:29

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR
SCALAR HR SCALAR HR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :

HR SCALAR HR SCALAR HR SCALAR HR SCALAR HR SCALAR
SCALAR HR SCALAR HR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL29, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekdays (Monday-Friday), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturdays, with values ranging from 0.0000E+00 to 0.0000E+00.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sundays, with values ranging from 0.0000E+00 to 0.0000E+00.

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

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

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL30, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekdays (Monday-Friday), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturdays, with values ranging from 0.0000E+00 to 0.0000E+00.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sundays, with values ranging from 0.0000E+00 to 0.0000E+00.

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: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMET - VERSION 16216 ***

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMET - VERSION 16216 ***

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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 Campus\14064 Ops\140 *** 10/26/23

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

09:36:29

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

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

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( 470471.7, 3752013.0, 500.0, 500.0, 2.0); ( 470470.9, 3751987.2,
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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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( 470470.0, 3751722.8, 501.4, 501.4, 2.0); ( 470470.2, 3751703.4,
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*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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First hour of profile data

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

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 10/26/23
 *** AERMET - VERSION 16216 ***
 *** 09:36:29

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

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***


INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
472283.74	3752640.98	18.17809	(13112916)	472482.23	
3752398.04	10.41981	(14111116)			
472477.97	3752183.12	12.11263	(12121716)	472148.10	
3752531.53	33.72388	(13112916)			
472052.12	3752531.22	40.33359	(13112916)	471975.52	
3752531.22	30.59967	(13112916)			
471896.06	3752530.90	30.45849	(13112916)	471840.76	
3752529.94	30.12590	(13112916)			
471816.60	3752527.08	28.96308	(13112916)	471736.82	
3752557.91	32.22817	(13112916)			
471696.59	3752558.87	35.11050	(13112916)	471627.29	
3752556.22	34.28274	(13112916)			
471584.60	3752556.76	29.77492	(13112916)	471560.01	
3752556.22	27.36965	(13112916)			
471534.35	3752554.87	25.95599	(13112916)	471514.89	
3752554.87	25.73298	(13112916)			
471486.79	3752555.68	26.63535	(13112916)	471465.72	
3752555.41	27.38368	(13112916)			
471442.21	3752554.98	27.41939	(13112916)	471419.71	
3752552.46	27.10743	(13112916)			
471394.22	3752552.91	26.14574	(13112916)	471363.44	
3752552.46	25.10099	(13112916)			
471332.68	3752553.31	24.86588	(13112916)	471307.62	
3752552.94	25.72491	(13112916)			
471284.05	3752552.70	27.15450	(13112916)	471261.98	
3752552.70	28.45871	(13112916)			
471241.90	3752552.70	29.25569	(13112916)	471223.15	
3752552.86	29.53686	(13112916)			
471205.90	3752552.86	29.38435	(13112916)	471173.21	
3752552.37	27.90581	(13112916)			
471135.70	3752552.53	23.27866	(13112916)	471093.22	
3752551.54	22.58673	(14021809)			
471059.37	3752551.70	23.12316	(14021809)	471020.54	

3752551.20	20.82320	(14021809)		
470981.05	3752563.65	16.00199	(14021809)	470980.39
3752552.20	16.39196	(14021809)		
470980.06	3752535.61	16.99764	(14021809)	470979.89
3752517.19	17.64774	(14021809)		
470980.06	3752499.76	18.86336	(13021809)	470980.22
3752479.85	20.79363	(16120116)		
470980.39	3752459.44	22.64438	(13112716)	470980.22
3752433.22	25.84529	(13112716)		
470980.06	3752404.02	27.14097	(15021709)	470927.12
3752402.69	18.28069	(13112716)		
470907.87	3752402.69	16.52283	(13112716)	470887.30
3752402.69	14.98063	(13112716)		
470869.71	3752402.03	13.93281	(13112716)	470849.63
3752401.86	12.92106	(13112716)		
470829.39	3752402.19	12.05171	(13112716)	470811.63
3752402.19	11.38504	(13112716)		
470791.55	3752402.53	10.71717	(13112716)	470773.63
3752401.86	10.18637	(13112716)		
470749.24	3752402.19	9.54372	(13112716)	470727.72
3752391.74	9.06273	(13112716)		
470733.04	3752338.97	9.13085	(13112716)	470733.70
3752320.55	9.09977	(13112716)		
470734.20	3752291.01	9.03965	(13112716)	470733.20
3752265.78	8.97813	(15021709)		
470732.87	3752218.81	9.09755	(15021709)	470732.54
3752182.14	9.15169	(15021709)		
470732.37	3752145.29	9.22071	(15021709)	470692.38
3752144.80	8.49646	(15021709)		
470670.14	3752144.46	8.15332	(15021709)	470651.72
3752144.30	7.89421	(15021709)		
470633.46	3752144.13	7.65895	(15021709)	470615.54
3752143.97	7.44531	(15021709)		
470595.95	3752143.30	7.23039	(15021709)	470577.03
3752143.47	7.03478	(15021709)		
470553.63	3752143.47	6.81153	(15021709)	470528.57
3752142.64	6.59547	(15021709)		
470507.99	3752142.80	6.42896	(15021709)	470485.59
3752142.47	6.26115	(15021709)		
470471.60	3752131.63	6.19772	(15021709)	470471.60
3752109.21	6.27535	(15021709)		
470471.32	3752085.22	6.36273	(15021709)	470471.46
3752037.68	6.56783	(15021709)		
470471.74	3752013.00	6.69147	(15021709)	470470.89
3751987.18	6.82046	(15021709)		
470470.89	3751965.74	6.93573	(15021709)	470470.75
3751944.44	7.04711	(15021709)		

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

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF CO		IN		
		MICROGRAMS/M**3			**	
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)		X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)				
470470.61	3751924.27	7.14646	(15021709)		470470.47	
3751905.93	7.22767	(15021709)				
470470.89	3751884.06	7.31486	(15021709)		470470.61	
3751864.03	7.37003	(15021709)				
470470.33	3751844.00	7.40552	(15021709)		470470.19	
3751824.53	7.42136	(15021709)				
470470.33	3751805.77	7.42147	(15021709)		470470.33	
3751788.00	7.40514	(15021709)				
470470.33	3751761.19	7.36014	(15021709)		470471.03	
3751741.87	7.31894	(15021709)				
470470.05	3751722.82	7.25110	(15021709)		470470.19	
3751703.36	7.18491	(15021709)				
470470.19	3751683.75	7.11053	(15021709)		470470.33	
3751664.28	7.07431	(14123016)				
470470.33	3751642.41	7.12333	(14123016)		470470.47	
3751621.82	7.15273	(14123016)				
470470.19	3751599.81	7.16312	(14123016)		470470.61	
3751578.79	7.16331	(14123016)				
470469.62	3751555.94	7.11530	(14123016)		470470.05	
3751512.49	7.00116	(14123016)				
470468.64	3751414.59	6.58330	(14123016)		470469.76	
3751385.25	6.57180	(14123016)				
470468.65	3751358.95	6.44305	(14123016)		470462.93	
3751325.56	6.22854	(12121315)				
470461.98	3751310.62	6.20900	(12121315)		470462.61	
3751296.63	6.20553	(12121315)				
470462.61	3751283.28	6.19563	(12121315)		470462.61	
3751269.92	6.18452	(12121315)				
470462.93	3751254.35	6.17148	(12121315)		470461.98	
3751240.67	6.14426	(12121315)				
470463.25	3751227.64	6.13233	(12121315)		470756.39	
3751290.59	10.12479	(12121315)				
470797.72	3751268.33	10.68191	(12121315)		470891.19	
3751226.38	12.37263	(12012316)				
470940.78	3751191.82	12.97621	(14020616)		471000.61	
3750923.63	11.70623	(12012316)				
471029.26	3750923.63	11.85418	(12012316)		471056.29	
3750923.90	11.83055	(12012316)				
471077.91	3750924.44	11.70398	(12012316)		471097.64	
3750924.44	11.48274	(12012316)				
471118.18	3750924.98	11.51262	(16112816)		471138.99	
3750927.42	12.56099	(16112816)				
471160.07	3750928.77	13.73618	(16112816)		471181.15	
3750931.47	15.63216	(12121316)				
471201.69	3750930.93	18.08152	(12121316)		471222.50	
3750931.47	17.76361	(12121316)				
471244.13	3750931.20	18.97143	(16112816)		471264.40	
3750931.74	20.02281	(16112816)				
471284.40	3750931.74	20.73504	(16112816)		471305.75	
3750931.74	21.09494	(16112816)				
471324.67	3750930.93	20.97592	(16112816)		471343.05	
3750930.12	20.54024	(16112816)				
471363.86	3750929.04	19.75877	(16112816)		471381.96	
3750928.77	18.96449	(16112816)				
471400.88	3750928.23	18.09885	(16112816)		471421.15	
3750927.96	17.27557	(16112816)				
471440.59	3750928.11	16.70293	(16112816)		471461.83	

3750927.45	16.33901	(16112816)		
471479.76	3750927.95	16.25910	(16112816)	471499.68
3750927.62	16.31140	(16112816)		
471519.26	3750928.78	16.47911	(16112816)	471537.02
3750929.61	16.58748	(16112816)		
471556.77	3750930.94	16.63233	(16112816)	471580.68
3750934.09	16.53092	(16112816)		
471624.00	3750940.23	16.56579	(15122816)	471795.90
3750950.11	12.83555	(15122816)		
471796.29	3750967.88	12.96415	(15122816)	471796.69
3750987.22	13.02661	(15122816)		
471797.47	3751006.75	12.93803	(15122816)	471796.69
3751025.30	13.09725	(15122816)		
471795.90	3751046.40	12.97272	(15122816)	471796.69
3751072.96	12.94917	(16112816)		
471797.47	3751143.85	15.03871	(12121716)	471833.01
3751143.85	15.15709	(12121716)		
471867.38	3751144.05	15.10523	(12121716)	471891.02
3751144.44	14.96811	(12121716)		
471916.60	3751144.24	14.67062	(12121716)	471939.45
3751144.24	14.36895	(12121716)		
471963.08	3751144.44	13.91649	(12121716)	471984.17
3751144.05	13.62577	(12121716)		

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

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***


INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC (YYMMDDHH)				
471999.02	3751163.38	14.35163	(12121716)	472000.19	
3751199.12	15.81776	(12121716)			
471999.80	3751230.56	16.61204	(12121716)	472000.38	
3751251.46	16.95122	(12121716)			
472000.19	3751281.15	17.42184	(12121716)	472001.95	
3751347.94	19.03117	(12121716)			
472036.90	3751348.52	18.05976	(12121716)	472063.07	
3751349.31	17.39854	(12121716)			
472084.56	3751348.33	16.87885	(12121716)	472104.87	
3751348.72	16.45620	(12121716)			
472127.33	3751348.52	15.98713	(12121716)	472150.76	
3751349.70	15.54868	(12121716)			
472171.47	3751349.50	15.13050	(12121716)	472194.12	
3751349.11	14.67314	(12121716)			
472222.63	3751348.72	14.17673	(12121716)	472247.83	

3751349.50	13.76125	(12121716)		
472269.70	3751349.11	13.40193	(12121716)	472290.40
3751350.28	13.10993	(12121716)		
472313.64	3751350.48	12.77853	(12121716)	472333.76
3751351.26	12.51071	(12121716)		
472354.85	3751351.26	12.21471	(12121716)	472377.70
3751351.06	11.89491	(12121716)		
472401.72	3751351.06	11.57627	(12121716)	472425.55
3751351.84	11.29032	(12121716)		
472445.67	3751350.67	11.04546	(12121716)	472463.24
3751350.87	10.84127	(12121716)		
472484.14	3751350.87	10.60090	(12121716)	472503.87
3751351.26	10.39672	(12121716)		
472523.79	3751351.26	10.20566	(12121716)	472543.32
3751351.26	10.02727	(12121716)		
472563.24	3751352.24	9.85443	(12121716)	472582.57
3751352.04	9.68233	(12121716)		
472601.32	3751352.04	9.52259	(12121716)	472606.79
3751367.27	9.59636	(12121716)		
472607.57	3751396.37	9.84368	(12121716)	472608.55
3751432.11	10.19385	(12121716)		
472608.94	3751462.58	10.54529	(12121716)	472609.52
3751497.15	11.09214	(12121716)		
472610.70	3751553.78	12.52338	(12121716)	472665.97
3751553.98	12.31317	(12121716)		
472690.38	3751553.59	12.22626	(12121716)	472713.50
3751554.27	12.19589	(12121716)		
472734.64	3751554.04	12.12487	(12121716)	472759.46
3751554.04	12.04917	(12121716)		
472781.75	3751554.50	12.00410	(12121716)	472849.76
3751556.11	11.94192	(12121716)		
472871.82	3751556.11	11.87866	(12121716)	472895.25
3751555.65	11.78558	(12121716)		
472922.60	3751555.88	11.70240	(12121716)	473092.41
3751802.31	21.02016	(12121716)		
473204.80	3751856.81	14.38871	(12121716)	472991.21
3752083.31	15.31517	(13112916)		
473295.12	3752052.49	7.58142	(141111116)	473356.76
3752050.34	6.47302	(141111116)		
473495.10	3751996.58	6.42366	(13112016)	473486.50
3751917.74	7.79372	(13112016)		
473392.60	3752058.22	6.00560	(141111116)	473464.28
3752082.59	5.30167	(141111116)		
473550.29	3752087.61	4.65371	(13121916)	473584.69
3752089.76	4.50688	(13121916)		
472765.59	3752474.09	6.46422	(141111116)	470432.16
3750483.93	10.63262	(12121316)		
469244.06	3754182.82	2.22937	(14020709)	469596.75
3750785.65	3.36610	(14101709)		
470466.55	3750530.27	11.76203	(12121316)	469319.29
3749244.53	2.69114	(14121709)		
469229.64	3749502.19	2.57211	(15122209)	468465.38
3749582.33	2.63227	(12011709)		
471438.37	3750129.76	7.83726	(15122816)	471657.54
3749918.78	5.80717	(15122816)		
471732.91	3749916.52	5.33313	(15122816)	471710.30
3750132.80	6.46596	(15122816)		
471273.89	3750119.77	6.68295		
(15122816)				

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 Campus\14064 Ops\140 *** 10/26/23
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*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***


INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	IN	X-COORD (M)	Y-COORD
472283.74	3752640.98	4.08466	(13100916)	472482.23	
3752398.04	4.01014	(13112116)			
472477.97	3752183.12	5.26809	(12121716)	472148.10	
3752531.53	6.82125	(13100916)			
472052.12	3752531.22	7.94983	(13100916)	471975.52	
3752531.22	7.64085	(13100916)			
471896.06	3752530.90	7.71740	(13100916)	471840.76	
3752529.94	7.64734	(13100916)			
471816.60	3752527.08	7.68989	(13121916)	471736.82	
3752557.91	7.58423	(13100916)			
471696.59	3752558.87	7.67929	(13100916)	471627.29	
3752556.22	8.06685	(13121916)			
471584.60	3752556.76	8.32569	(13121916)	471560.01	
3752556.22	8.32406	(13121916)			
471534.35	3752554.87	8.33902	(16010616)	471514.89	
3752554.87	8.32489	(16010616)			
471486.79	3752555.68	8.31689	(16010616)	471465.72	
3752555.41	8.23317	(16010616)			
471442.21	3752554.98	8.01250	(16010616)	471419.71	
3752552.46	7.94108	(16010616)			
471394.22	3752552.91	7.93396	(16010616)	471363.44	
3752552.46	8.07564	(16010616)			
471332.68	3752553.31	8.16385	(16010616)	471307.62	
3752552.94	8.18608	(16010616)			
471284.05	3752552.70	8.12105	(16010616)	471261.98	
3752552.70	8.05301	(16010616)			
471241.90	3752552.70	8.02637	(16010616)	471223.15	
3752552.86	8.04992	(16010616)			
471205.90	3752552.86	8.11847	(16010616)	471173.21	
3752552.37	8.37700	(16010616)			
471135.70	3752552.53	8.78658	(16010616)	471093.22	
3752551.54	9.34497	(16010616)			
471059.37	3752551.70	9.37779	(16010616)	471020.54	
3752551.20	8.86220	(16010616)			
470981.05	3752563.65	7.63882	(16010516)	470980.39	
3752552.20	8.09639	(16010516)			
470980.06	3752535.61	8.80380	(16010516)	470979.89	
3752517.19	9.83231	(14121216)			
470980.06	3752499.76	10.99314	(14121216)	470980.22	
3752479.85	12.25804	(14121216)			
470980.39	3752459.44	13.29985	(14121216)	470980.22	
3752433.22	13.70886	(14121216)			
470980.06	3752404.02	14.29280	(12121316)	470927.12	
3752402.69	8.60905	(14121216)			
470907.87	3752402.69	7.72335	(14121216)	470887.30	

3752402.69	6.97103	(14121216)		
470869.71	3752402.03	6.48311	(14121216)	470849.63
3752401.86	6.01318	(14121216)		
470829.39	3752402.19	5.60957	(14121216)	470811.63
3752402.19	5.30029	(14121216)		
470791.55	3752402.53	4.99028	(14121216)	470773.63
3752401.86	4.74403	(14121216)		
470749.24	3752402.19	4.44728	(14121216)	470727.72
3752391.74	4.23524	(14121216)		
470733.04	3752338.97	4.38517	(14121216)	470733.70
3752320.55	4.42315	(14121216)		
470734.20	3752291.01	4.47939	(14121216)	470733.20
3752265.78	4.51065	(14121216)		
470732.87	3752218.81	4.64869	(12121316)	470732.54
3752182.14	4.82435	(12121316)		
470732.37	3752145.29	5.01151	(12121316)	470692.38
3752144.80	4.49411	(12121316)		
470670.14	3752144.46	4.27253	(14121216)	470651.72
3752144.30	4.10672	(14121216)		
470633.46	3752144.13	3.94325	(14121216)	470615.54
3752143.97	3.78746	(14121216)		
470595.95	3752143.30	3.62333	(14121216)	470577.03
3752143.47	3.47206	(14121216)		
470553.63	3752143.47	3.29320	(14121216)	470528.57
3752142.64	3.12152	(12121316)		
470507.99	3752142.80	3.01739	(15112716)	470485.59
3752142.47	2.91252	(15112716)		
470471.60	3752131.63	2.87502	(15112716)	470471.60
3752109.21	2.92877	(15112716)		
470471.32	3752085.22	2.98682	(15112716)	470471.46
3752037.68	3.11352	(12121316)		
470471.74	3752013.00	3.17836	(12121316)	470470.89
3751987.18	3.23743	(15112716)		
470470.89	3751965.74	3.28791	(15112716)	470470.75
3751944.44	3.33260	(15112716)		

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 Campus\14064 Ops\140 *** 10/26/23
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

	INCLUDING SOURCE(S):	VOL1	, VOL2	,	
	VOL3	, VOL4	, VOL5	,	
VOL6	, VOL7	, VOL8	, VOL9	, VOL10	,
VOL11	, VOL12	, VOL13	,		
VOL14	, VOL15	, VOL16	, VOL17	, VOL18	,
VOL19	, VOL20	, VOL21	,		
VOL22	, VOL23	, VOL24	, VOL25	, VOL26	,
VOL27	, VOL28	, . . .	,		

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
470470.61	3751924.27	3.36867	(15112716)	470470.47	
3751905.93	3.39554	(15112716)			
470470.89	3751884.06	3.42589	(15112716)	470470.61	

3751864.03	3.44175	(15112716)		
470470.33	3751844.00	3.45885	(12121316)	470470.19
3751824.53	3.47578	(12121316)		
470470.33	3751805.77	3.49195	(12121316)	470470.33
3751788.00	3.50381	(12121316)		
470470.33	3751761.19	3.52582	(12121316)	470471.03
3751741.87	3.54114	(12121316)		
470470.05	3751722.82	3.53702	(12121316)	470470.19
3751703.36	3.53362	(12121316)		
470470.19	3751683.75	3.52144	(12121316)	470470.33
3751664.28	3.50514	(12121316)		
470470.33	3751642.41	3.47812	(12121316)	470470.47
3751621.82	3.44691	(12121316)		
470470.19	3751599.81	3.40411	(12121316)	470470.61
3751578.79	3.36404	(12121316)		
470469.62	3751555.94	3.33698	(16122916)	470470.05
3751512.49	3.32370	(16122916)		
470468.64	3751414.59	3.27449	(14123016)	470469.76
3751385.25	3.29386	(14123016)		
470468.65	3751358.95	3.27659	(14123016)	470462.93
3751325.56	3.21683	(14123016)		
470461.98	3751310.62	3.19881	(14123016)	470462.61
3751296.63	3.19014	(14123016)		
470462.61	3751283.28	3.17720	(14123016)	470462.61
3751269.92	3.16328	(14123016)		
470462.93	3751254.35	3.15895	(16122016)	470461.98
3751240.67	3.14827	(16122016)		
470463.25	3751227.64	3.14547	(16122016)	470756.39
3751290.59	5.71081	(14123016)		
470797.72	3751268.33	6.05924	(14123016)	470891.19
3751226.38	6.86417	(14123016)		
470940.78	3751191.82	7.23159	(14123016)	471000.61
3750923.63	4.77353	(13112216)		
471029.26	3750923.63	5.01703	(13112216)	471056.29
3750923.90	5.22632	(13112216)		
471077.91	3750924.44	5.36275	(13112216)	471097.64
3750924.44	5.44358	(13112216)		
471118.18	3750924.98	5.51352	(13112216)	471138.99
3750927.42	5.57022	(13112216)		
471160.07	3750928.77	5.54588	(13112216)	471181.15
3750931.47	5.54346	(13112216)		
471201.69	3750930.93	5.51168	(15121516)	471222.50
3750931.47	5.50754	(15121516)		
471244.13	3750931.20	5.42820	(15121516)	471264.40
3750931.74	5.31975	(15121516)		
471284.40	3750931.74	5.18758	(12012416)	471305.75
3750931.74	5.09883	(12012416)		
471324.67	3750930.93	4.98562	(14110316)	471343.05
3750930.12	4.95487	(14110316)		
471363.86	3750929.04	4.89001	(14110316)	471381.96
3750928.77	4.82441	(14110316)		
471400.88	3750928.23	4.74214	(14110316)	471421.15
3750927.96	4.64879	(14110316)		
471440.59	3750928.11	4.56173	(14110316)	471461.83
3750927.45	4.45510	(14110316)		
471479.76	3750927.95	4.36821	(14110316)	471499.68
3750927.62	4.25550	(14110316)		
471519.26	3750928.78	4.15014	(14110316)	471537.02
3750929.61	4.18444	(15122816)		
471556.77	3750930.94	4.25356	(15122816)	471580.68
3750934.09	4.37457	(15122816)		
471624.00	3750940.23	4.41916	(15122816)	471795.90
3750950.11	3.86726	(15122816)		
471796.29	3750967.88	4.00668	(15122816)	471796.69
3750987.22	4.16564	(15122816)		
471797.47	3751006.75	4.32502	(15122816)	471796.69

3751025.30	4.50045	(15122816)		
471795.90	3751046.40	4.67319	(15122816)	471796.69
3751072.96	4.88138	(15122816)		
471797.47	3751143.85	5.59262	(15122816)	471833.01
3751143.85	5.16427	(15122816)		
471867.38	3751144.05	4.72824	(15122816)	471891.02
3751144.44	4.57898	(15122816)		
471916.60	3751144.24	4.44464	(15122816)	471939.45
3751144.24	4.25395	(15122816)		
471963.08	3751144.44	4.10739	(15122816)	471984.17
3751144.05	3.93956	(15122816)		

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

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
471999.02	3751163.38	3.99235	(15122816)	472000.19	
3751199.12	4.21086	(15122816)			
471999.80	3751230.56	4.40897	(15122816)	472000.38	
3751251.46	4.60522	(13112016)			
472000.19	3751281.15	4.94532	(13112016)	472001.95	
3751347.94	5.73353	(13112016)			
472036.90	3751348.52	5.34811	(13112016)	472063.07	
3751349.31	5.09227	(13112016)			
472084.56	3751348.33	4.89547	(13112016)	472104.87	
3751348.72	4.74506	(13112016)			
472127.33	3751348.52	4.58872	(13112016)	472150.76	
3751349.70	4.44569	(13112016)			
472171.47	3751349.50	4.31343	(13112016)	472194.12	
3751349.11	4.18719	(13112016)			
472222.63	3751348.72	4.03937	(13112016)	472247.83	
3751349.50	3.92401	(13112016)			
472269.70	3751349.11	3.82447	(13112016)	472290.40	
3751350.28	3.73771	(13112016)			
472313.64	3751350.48	3.63878	(13112016)	472333.76	
3751351.26	3.56381	(13112016)			
472354.85	3751351.26	3.49238	(13112016)	472377.70	
3751351.06	3.41929	(13112016)			
472401.72	3751351.06	3.34731	(13112016)	472425.55	
3751351.84	3.28167	(13112016)			
472445.67	3751350.67	3.21707	(13112016)	472463.24	
3751350.87	3.17221	(13112016)			
472484.14	3751350.87	3.11714	(13112016)	472503.87	

ALL HIGH 1ST HIGH VALUE IS 40.33359 ON 13112916: AT (472052.12, 3752531.22,
499.36, 512.00, 2.00) DC

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

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Campus\14064 Ops\140 *** 10/26/23

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

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

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

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

ALL HIGH 1ST HIGH VALUE IS 14.29280 ON 12121316: AT (470980.06, 3752404.02,
506.00, 506.00, 2.00) DC

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 881 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 881 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 10/26/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\LSTs\14064 Cons NO2\14064 Cons
NO2.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

CO STARTING

```

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME 1
URBANOPT 2189641 Riverside_County
POLLUTID NOX
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14064 Cons NO2.err"

```

CO FINISHED

```

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

```

SO STARTING

** Source Location **

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

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

LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL42	VOLUME	472135.642	3751845.064	525.790
LOCATION VOL43	VOLUME	472323.361	3751843.460	510.520
LOCATION VOL44	VOLUME	472512.544	3751852.284	501.450
LOCATION VOL45	VOLUME	472698.022	3751875.469	491.390
LOCATION VOL46	VOLUME	472880.772	3751928.657	487.900
LOCATION VOL47	VOLUME	472608.011	3752044.580	498.520
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810

** Source Parameters **

SRCPARAM VOL1	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL2	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL3	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL4	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL5	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL6	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL7	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL8	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL9	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL10	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL11	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL12	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL13	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL14	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL15	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL16	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL17	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL18	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL19	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL20	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL21	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL22	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL23	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL24	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL25	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL26	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL27	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL28	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL29	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL30	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL31	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL32	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL33	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL34	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL35	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL36	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL37	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL38	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL39	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL40	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL41	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL42	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL43	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL44	0.1325438642	5.000	43.702	1.400
SRCPARAM VOL45	0.1325438642	5.000	43.702	1.400

SRCPARAM	VOL46	0.1325438642	5.000	43.702	1.400
SRCPARAM	VOL47	0.1325438642	5.000	43.702	1.400
SRCPARAM	VOL48	0.1325438642	5.000	43.702	1.400
URBANSRC	ALL				

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

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

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

** Saturday:

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

** Sunday:

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

** WeekDays:

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

** Saturday:

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

** Sunday:

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

** WeekDays:

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

** Saturday:

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

** Sunday:

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

** WeekDays:

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

** Saturday:

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

** Sunday:

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

EMISFACT VOL48 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

RE STARTING
INCLUDED "14064 Cons NO2.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
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "14064 CONS NO2.AD\01H1GALL.PLT" 31
SUMMFILE "14064 Cons NO2.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 881 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 881 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

* Model Uses Regulatory DEFAULT Options
 * Model Is Setup For Calculation of Average CONCentration Values.
 * NO GAS DEPOSITION Data Provided.
 * NO PARTICLE DEPOSITION Data Provided.
 * Model Uses NO DRY DEPLETION. DDPLETE = F
 * Model Uses NO WET DEPLETION. WETDPLT = F
 * Stack-tip Downwash.
 * Model Accounts for ELEVated Terrain Effects.
 * Use Calms Processing Routine.
 * Use Missing Data Processing Routine.
 * No Exponential Decay.
 * Model Uses URBAN Dispersion Algorithm for the SBL for 48 Source(s),
 for Total of 1 Urban Area(s):
 Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
 * Urban Roughness Length of 1.0 Meter Used.
 * ADJ_U* - Use ADJ_U* option for SBL in AERMET
 * CCVR_Sub - Meteorological data includes CCVR substitutions
 * TEMP_Sub - Meteorological data includes TEMP substitutions
 * Model Accepts FLAGPOLE Receptor . Heights.
 * The User Specified a Pollutant Type of: NOX

**Model Calculates 1 Short Term Average(s) of: 1-HR

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

with: 0 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)
 and: 48 VOLUME source(s)
 and: 0 AREA type source(s)
 and: 0 LINE source(s)
 and: 0 RLINE/RLINEXT source(s)
 and: 0 OPENPIT source(s)
 and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
 and: 0 SWPOINT source(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
 Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
 Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 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: 14064 Cons

NO2.err

**File for Summary of Results: 14064 Cons

NO2.sum

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

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER URBAN	EMISSION RATE (GRAMS/SEC)	EMISSION RATE	X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ
SOURCE ID (METERS)	PART. SCALAR VARY CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
VOL1	0	0.13254E+00		471175.5	3752366.4	510.2	5.00	43.70	1.40
YES HRDOW									
VOL2	0	0.13254E+00		471362.2	3752367.6	512.4	5.00	43.70	1.40
YES HRDOW									
VOL3	0	0.13254E+00		471550.1	3752368.4	518.9	5.00	43.70	1.40
YES HRDOW									
VOL4	0	0.13254E+00		471609.6	3752371.6	516.0	5.00	43.70	1.40
YES HRDOW									
VOL5	0	0.13254E+00		471796.7	3752342.2	515.1	5.00	43.70	1.40
YES HRDOW									
VOL6	0	0.13254E+00		471984.7	3752344.6	513.6	5.00	43.70	1.40
YES HRDOW									
VOL7	0	0.13254E+00		472003.7	3752347.0	512.1	5.00	43.70	1.40
YES HRDOW									
VOL8	0	0.13254E+00		472002.9	3752159.1	521.6	5.00	43.70	1.40
YES HRDOW									
VOL9	0	0.13254E+00		471814.2	3752156.7	520.7	5.00	43.70	1.40
YES HRDOW									
VOL10	0	0.13254E+00		471628.6	3752181.3	526.8	5.00	43.70	1.40
YES HRDOW									
VOL11	0	0.13254E+00		471440.7	3752181.3	527.4	5.00	43.70	1.40
YES HRDOW									
VOL12	0	0.13254E+00		471253.6	3752180.5	518.9	5.00	43.70	1.40
YES HRDOW									
VOL13	0	0.13254E+00		471092.6	3752217.7	509.6	5.00	43.70	1.40
YES HRDOW									
VOL14	0	0.13254E+00		471074.4	3752029.0	516.1	5.00	43.70	1.40
YES HRDOW									
VOL15	0	0.13254E+00		471263.9	3751992.5	521.1	5.00	43.70	1.40
YES HRDOW									
VOL16	0	0.13254E+00		471452.6	3751994.1	530.0	5.00	43.70	1.40
YES HRDOW									
VOL17	0	0.13254E+00		471640.5	3751992.5	534.9	5.00	43.70	1.40
YES HRDOW									
VOL18	0	0.13254E+00		471827.7	3751968.0	533.0	5.00	43.70	1.40
YES HRDOW									
VOL19	0	0.13254E+00		472002.9	3751970.3	527.9	5.00	43.70	1.40

YES	HRDOW								
VOL20		0	0.13254E+00	471845.1	3751780.0	538.8	5.00	43.70	1.40
YES	HRDOW								
VOL21		0	0.13254E+00	471657.2	3751803.8	536.0	5.00	43.70	1.40
YES	HRDOW								
VOL22		0	0.13254E+00	471468.5	3751806.2	528.3	5.00	43.70	1.40
YES	HRDOW								
VOL23		0	0.13254E+00	471280.5	3751807.0	525.0	5.00	43.70	1.40
YES	HRDOW								
VOL24		0	0.13254E+00	471093.4	3751841.9	515.6	5.00	43.70	1.40
YES	HRDOW								
VOL25		0	0.13254E+00	470978.4	3751841.9	518.1	5.00	43.70	1.40
YES	HRDOW								
VOL26		0	0.13254E+00	471014.1	3751654.8	520.4	5.00	43.70	1.40
YES	HRDOW								
VOL27		0	0.13254E+00	471201.2	3751654.8	525.1	5.00	43.70	1.40
YES	HRDOW								
VOL28		0	0.13254E+00	471389.2	3751619.1	534.9	5.00	43.70	1.40
YES	HRDOW								
VOL29		0	0.13254E+00	471577.9	3751616.7	529.0	5.00	43.70	1.40
YES	HRDOW								
VOL30		0	0.13254E+00	471724.6	3751620.7	533.8	5.00	43.70	1.40
YES	HRDOW								
VOL31		0	0.13254E+00	471941.0	3751865.7	534.6	5.00	43.70	1.40
YES	HRDOW								
VOL32		0	0.13254E+00	471795.2	3751684.9	537.3	5.00	43.70	1.40
YES	HRDOW								
VOL33		0	0.13254E+00	471577.9	3751434.3	531.1	5.00	43.70	1.40
YES	HRDOW								
VOL34		0	0.13254E+00	471390.0	3751431.9	537.3	5.00	43.70	1.40
YES	HRDOW								
VOL35		0	0.13254E+00	471202.0	3751467.6	526.8	5.00	43.70	1.40
YES	HRDOW								
VOL36		0	0.13254E+00	471065.7	3751504.9	522.0	5.00	43.70	1.40
YES	HRDOW								
VOL37		0	0.13254E+00	471656.4	3751514.4	529.5	5.00	43.70	1.40
YES	HRDOW								
VOL38		0	0.13254E+00	471522.4	3751324.1	529.0	5.00	43.70	1.40
YES	HRDOW								
VOL39		0	0.13254E+00	471332.9	3751322.5	529.5	5.00	43.70	1.40
YES	HRDOW								
VOL40		0	0.13254E+00	471282.9	3751321.7	528.2	5.00	43.70	1.40
YES	HRDOW								

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

*** VOLUME SOURCE DATA ***

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

VOL41		0	0.13254E+00	471233.8	3751388.3	528.5	5.00	43.70	1.40
YES	HRDOW								
VOL42		0	0.13254E+00	472135.6	3751845.1	525.8	5.00	43.70	1.40

VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 ,
VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 ,
VOL31 , VOL32 ,
VOL33 , VOL34 , VOL35 , VOL36 , VOL37 , VOL38 ,
VOL39 , VOL40 ,
VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
VOL47 , VOL48 ,

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

(HRDOW) *

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :

Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour
SCALAR Hour SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :

Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour
SCALAR Hour SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
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: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL13, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekday (Days 1-7), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturday (Days 8-14), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sunday (Days 15-21), with values ranging from 0.0000E+00 to 0.1000E+01.

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

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

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL14, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekday (Days 1-7), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturday (Days 8-14), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sunday (Days 15-21), with values ranging from 0.0000E+00 to 0.1000E+01.

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: RegDEFAULT CONC ELEV FLGPOL 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: RegDEFAULT CONC ELEV FLGPOL 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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/26/23

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

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

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

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMET - VERSION 16216 ***

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMET - VERSION 16216 ***

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMET - VERSION 16216 ***

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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Campus\14064 Ops\140 *** 10/26/23

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*** 09:40:00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

*** 09:40:00

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMET - VERSION 16216 ***

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

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

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

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMET - VERSION 16216 ***

*** 09:40:00

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

*** 09:40:00

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

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

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

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
*** 09:40:00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
*** 09:40:00

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** AERMET - VERSION 16216 ***

*** 09:40:00

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
*** 09:40:00

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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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Campus\14064 Ops\140 *** 10/26/23
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*** 09:40:00

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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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Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

(472283.7, 3752641.0,	492.6,	492.6,	2.0);	(472482.2, 3752398.0,
499.3, 499.3,	2.0);			
(472478.0, 3752183.1,	505.1,	505.1,	2.0);	(472148.1, 3752531.5,
495.2, 502.0,	2.0);			
(472052.1, 3752531.2,	499.4,	512.0,	2.0);	(471975.5, 3752531.2,
500.5, 514.0,	2.0);			
(471896.1, 3752530.9,	503.4,	513.0,	2.0);	(471840.8, 3752529.9,
503.4, 513.0,	2.0);			
(471816.6, 3752527.1,	500.6,	513.0,	2.0);	(471736.8, 3752557.9,
501.5, 501.5,	2.0);			
(471696.6, 3752558.9,	500.0,	500.0,	2.0);	(471627.3, 3752556.2,
501.9, 512.0,	2.0);			
(471584.6, 3752556.8,	504.5,	507.0,	2.0);	(471560.0, 3752556.2,
504.6, 507.0,	2.0);			
(471534.3, 3752554.9,	503.2,	509.0,	2.0);	(471514.9, 3752554.9,
502.2, 519.0,	2.0);			
(471486.8, 3752555.7,	503.1,	503.1,	2.0);	(471465.7, 3752555.4,
503.1, 503.1,	2.0);			
(471442.2, 3752555.0,	501.3,	505.0,	2.0);	(471419.7, 3752552.5,
500.3, 505.0,	2.0);			
(471394.2, 3752552.9,	501.4,	501.4,	2.0);	(471363.4, 3752552.5,
503.5, 503.5,	2.0);			
(471332.7, 3752553.3,	505.8,	505.8,	2.0);	(471307.6, 3752552.9,
506.9, 506.9,	2.0);			
(471284.0, 3752552.7,	506.2,	506.2,	2.0);	(471262.0, 3752552.7,
505.7, 505.7,	2.0);			
(471241.9, 3752552.7,	505.6,	505.6,	2.0);	(471223.1, 3752552.9,
505.9, 505.9,	2.0);			
(471205.9, 3752552.9,	506.2,	506.2,	2.0);	(471173.2, 3752552.4,
506.5, 506.5,	2.0);			
(471135.7, 3752552.5,	506.1,	506.1,	2.0);	(471093.2, 3752551.5,
505.4, 505.4,	2.0);			
(471059.4, 3752551.7,	504.7,	504.7,	2.0);	(471020.5, 3752551.2,
503.1, 503.1,	2.0);			
(470981.0, 3752563.6,	502.1,	502.1,	2.0);	(470980.4, 3752552.2,
502.5, 502.5,	2.0);			
(470980.1, 3752535.6,	503.0,	503.0,	2.0);	(470979.9, 3752517.2,
503.7, 503.7,	2.0);			
(470980.1, 3752499.8,	504.0,	504.0,	2.0);	(470980.2, 3752479.8,
504.0, 504.0,	2.0);			
(470980.4, 3752459.4,	504.6,	504.6,	2.0);	(470980.2, 3752433.2,
505.4, 505.4,	2.0);			
(470980.1, 3752404.0,	506.0,	506.0,	2.0);	(470927.1, 3752402.7,
504.9, 504.9,	2.0);			
(470907.9, 3752402.7,	503.1,	503.1,	2.0);	(470887.3, 3752402.7,
500.9, 505.0,	2.0);			
(470869.7, 3752402.0,	500.7,	500.7,	2.0);	(470849.6, 3752401.9,
500.3, 500.3,	2.0);			

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( 470829.4, 3752402.2, 500.0, 500.0, 2.0); ( 470811.6, 3752402.2,
499.7, 499.7, 2.0);
( 470791.5, 3752402.5, 499.2, 499.2, 2.0); ( 470773.6, 3752401.9,
498.6, 498.6, 2.0);
( 470749.2, 3752402.2, 497.8, 497.8, 2.0); ( 470727.7, 3752391.7,
497.8, 497.8, 2.0);
( 470733.0, 3752339.0, 499.9, 499.9, 2.0); ( 470733.7, 3752320.5,
500.2, 500.2, 2.0);
( 470734.2, 3752291.0, 500.8, 500.8, 2.0); ( 470733.2, 3752265.8,
500.8, 500.8, 2.0);
( 470732.9, 3752218.8, 501.2, 501.2, 2.0); ( 470732.5, 3752182.1,
501.8, 501.8, 2.0);
( 470732.4, 3752145.3, 503.0, 503.0, 2.0); ( 470692.4, 3752144.8,
502.5, 502.5, 2.0);
( 470670.1, 3752144.5, 502.1, 502.1, 2.0); ( 470651.7, 3752144.3,
502.0, 502.0, 2.0);
( 470633.5, 3752144.1, 501.5, 501.5, 2.0); ( 470615.5, 3752144.0,
500.9, 500.9, 2.0);
( 470596.0, 3752143.3, 500.2, 500.2, 2.0); ( 470577.0, 3752143.5,
500.0, 500.0, 2.0);
( 470553.6, 3752143.5, 499.7, 499.7, 2.0); ( 470528.6, 3752142.6,
498.8, 498.8, 2.0);
( 470508.0, 3752142.8, 497.6, 497.6, 2.0); ( 470485.6, 3752142.5,
496.3, 496.3, 2.0);
( 470471.6, 3752131.6, 496.1, 496.1, 2.0); ( 470471.6, 3752109.2,
497.3, 497.3, 2.0);
( 470471.3, 3752085.2, 498.1, 498.1, 2.0); ( 470471.5, 3752037.7,
499.7, 499.7, 2.0);
( 470471.7, 3752013.0, 500.0, 500.0, 2.0); ( 470470.9, 3751987.2,
500.1, 500.1, 2.0);
( 470470.9, 3751965.7, 500.1, 500.1, 2.0); ( 470470.8, 3751944.4,
500.1, 500.1, 2.0);
( 470470.6, 3751924.3, 499.6, 499.6, 2.0); ( 470470.5, 3751905.9,
499.0, 499.0, 2.0);
( 470470.9, 3751884.1, 499.1, 499.1, 2.0); ( 470470.6, 3751864.0,
498.6, 498.6, 2.0);
( 470470.3, 3751844.0, 497.9, 497.9, 2.0); ( 470470.2, 3751824.5,
496.6, 496.6, 2.0);
( 470470.3, 3751805.8, 495.7, 499.0, 2.0); ( 470470.3, 3751788.0,
495.1, 502.0, 2.0);
( 470470.3, 3751761.2, 497.6, 497.6, 2.0); ( 470471.0, 3751741.9,
499.5, 499.5, 2.0);

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Campus\14064 Ops\140 *** 10/26/23

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*** AERMET - VERSION 16216 ***
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*** 09:40:00

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PAGE 55

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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( 470470.0, 3751722.8, 501.4, 501.4, 2.0); ( 470470.2, 3751703.4,
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( 470470.2, 3751683.8, 504.9, 504.9, 2.0); ( 470470.3, 3751664.3,
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( 470470.3, 3751642.4, 507.6, 507.6, 2.0); ( 470470.5, 3751621.8,
508.5, 508.5, 2.0);
( 470470.2, 3751599.8, 509.0, 509.0, 2.0); ( 470470.6, 3751578.8,
509.1, 509.1, 2.0);
( 470469.6, 3751555.9, 507.6, 507.6, 2.0); ( 470470.0, 3751512.5,
504.8, 512.0, 2.0);
( 470468.6, 3751414.6, 501.8, 513.0, 2.0); ( 470469.8, 3751385.2,
507.1, 513.0, 2.0);

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(470468.6, 3751358.9, 509.6, 509.6, 2.0); (470462.9, 3751325.6, 511.9, 511.9, 2.0);
(470462.0, 3751310.6, 512.6, 512.6, 2.0); (470462.6, 3751296.6, 512.4, 512.4, 2.0);
(470462.6, 3751283.3, 512.0, 512.0, 2.0); (470462.6, 3751269.9, 511.1, 511.1, 2.0);
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(470463.2, 3751227.6, 509.4, 509.4, 2.0); (470756.4, 3751290.6, 507.7, 525.0, 2.0);
(470797.7, 3751268.3, 507.7, 525.0, 2.0); (470891.2, 3751226.4, 512.0, 512.0, 2.0);
(470940.8, 3751191.8, 512.1, 512.1, 2.0); (471000.6, 3750923.6, 523.8, 523.8, 2.0);
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(471201.7, 3750930.9, 533.3, 543.0, 2.0); (471222.5, 3750931.5, 533.7, 543.0, 2.0);
(471244.1, 3750931.2, 534.8, 543.0, 2.0); (471264.4, 3750931.7, 535.7, 538.0, 2.0);
(471284.4, 3750931.7, 536.5, 536.5, 2.0); (471305.8, 3750931.7, 536.5, 536.5, 2.0);
(471324.7, 3750930.9, 535.8, 535.8, 2.0); (471343.0, 3750930.1, 534.9, 534.9, 2.0);
(471363.9, 3750929.0, 534.7, 534.7, 2.0); (471382.0, 3750928.8, 534.8, 534.8, 2.0);
(471400.9, 3750928.2, 535.0, 535.0, 2.0); (471421.1, 3750928.0, 535.4, 535.4, 2.0);
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(471624.0, 3750940.2, 545.0, 549.0, 2.0); (471795.9, 3750950.1, 548.4, 548.4, 2.0);
(471796.3, 3750967.9, 547.3, 547.3, 2.0); (471796.7, 3750987.2, 545.3, 547.0, 2.0);
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(471795.9, 3751046.4, 541.1, 541.1, 2.0); (471796.7, 3751073.0, 540.1, 540.1, 2.0);
(471797.5, 3751143.8, 537.7, 537.7, 2.0); (471833.0, 3751143.8, 537.0, 537.0, 2.0);
(471867.4, 3751144.0, 534.9, 534.9, 2.0); (471891.0, 3751144.4, 532.9, 532.9, 2.0);
(471916.6, 3751144.2, 530.9, 530.9, 2.0); (471939.5, 3751144.2, 529.4, 529.4, 2.0);
(471963.1, 3751144.4, 525.8, 535.0, 2.0); (471984.2, 3751144.0, 524.4, 533.0, 2.0);
(471999.0, 3751163.4, 525.3, 536.0, 2.0); (472000.2, 3751199.1, 530.8, 530.8, 2.0);
(471999.8, 3751230.6, 532.9, 532.9, 2.0); (472000.4, 3751251.5, 534.3, 534.3, 2.0);
(472000.2, 3751281.1, 536.2, 536.2, 2.0); (472002.0, 3751347.9, 537.0, 537.0, 2.0);
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( 472084.6, 3751348.3, 535.8, 535.8, 2.0); ( 472104.9, 3751348.7,
534.6, 534.6, 2.0);
( 472127.3, 3751348.5, 533.0, 533.0, 2.0); ( 472150.8, 3751349.7,
531.4, 531.4, 2.0);
( 472171.5, 3751349.5, 530.3, 530.3, 2.0); ( 472194.1, 3751349.1,
528.2, 531.0, 2.0);
( 472222.6, 3751348.7, 525.4, 536.0, 2.0); ( 472247.8, 3751349.5,
523.2, 536.0, 2.0);
( 472269.7, 3751349.1, 520.9, 536.0, 2.0); ( 472290.4, 3751350.3,
520.7, 535.0, 2.0);
( 472313.6, 3751350.5, 520.9, 532.0, 2.0); ( 472333.8, 3751351.3,
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*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
*** ** 09:40:00

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PAGE 56

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

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

```

( 472354.8, 3751351.3, 518.5, 532.0, 2.0); ( 472377.7, 3751351.1,
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( 472401.7, 3751351.1, 513.6, 533.0, 2.0); ( 472425.5, 3751351.8,
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( 472445.7, 3751350.7, 511.1, 532.0, 2.0); ( 472463.2, 3751350.9,
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( 472484.1, 3751350.9, 507.3, 532.0, 2.0); ( 472503.9, 3751351.3,
506.3, 532.0, 2.0);
( 472523.8, 3751351.3, 506.2, 531.0, 2.0); ( 472543.3, 3751351.3,
506.4, 506.4, 2.0);
( 472563.2, 3751352.2, 506.1, 506.1, 2.0); ( 472582.6, 3751352.0,
505.8, 505.8, 2.0);
( 472601.3, 3751352.0, 505.3, 505.3, 2.0); ( 472606.8, 3751367.3,
504.3, 504.3, 2.0);
( 472607.6, 3751396.4, 504.2, 504.2, 2.0); ( 472608.5, 3751432.1,
505.0, 505.0, 2.0);
( 472608.9, 3751462.6, 504.4, 504.4, 2.0); ( 472609.5, 3751497.1,
505.0, 505.0, 2.0);
( 472610.7, 3751553.8, 505.4, 505.4, 2.0); ( 472666.0, 3751554.0,
501.3, 501.3, 2.0);
( 472690.4, 3751553.6, 499.8, 499.8, 2.0); ( 472713.5, 3751554.3,
499.2, 499.2, 2.0);
( 472734.6, 3751554.0, 497.9, 497.9, 2.0); ( 472759.5, 3751554.0,
496.2, 496.2, 2.0);
( 472781.8, 3751554.5, 494.9, 499.0, 2.0); ( 472849.8, 3751556.1,
495.4, 495.4, 2.0);
( 472871.8, 3751556.1, 494.9, 494.9, 2.0); ( 472895.2, 3751555.6,
494.2, 494.2, 2.0);
( 472922.6, 3751555.9, 493.8, 493.8, 2.0); ( 473092.4, 3751802.3,
486.1, 486.1, 2.0);
( 473204.8, 3751856.8, 481.6, 481.6, 2.0); ( 472991.2, 3752083.3,
484.1, 484.1, 2.0);
( 473295.1, 3752052.5, 478.7, 478.7, 2.0); ( 473356.8, 3752050.3,
476.8, 476.8, 2.0);
( 473495.1, 3751996.6, 476.0, 476.0, 2.0); ( 473486.5, 3751917.7,
475.8, 475.8, 2.0);
( 473392.6, 3752058.2, 475.9, 475.9, 2.0); ( 473464.3, 3752082.6,
475.2, 475.2, 2.0);
( 473550.3, 3752087.6, 473.0, 473.0, 2.0); ( 473584.7, 3752089.8,
473.0, 473.0, 2.0);
( 472765.6, 3752474.1, 477.2, 495.0, 2.0); ( 470432.2, 3750483.9,
532.6, 532.6, 2.0);

```


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

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

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 10/26/23
 *** AERMET - VERSION 16216 ***
 *** 09:40:00

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

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
472283.74	3752640.98	28.70168	(13112916)	472482.23	
3752398.04	16.45201	(14111116)			
472477.97	3752183.12	19.12483	(12121716)	472148.10	
3752531.53	53.24719	(13112916)			
472052.12	3752531.22	63.68338	(13112916)	471975.52	
3752531.22	48.31432	(13112916)			
471896.06	3752530.90	48.09142	(13112916)	471840.76	
3752529.94	47.56628	(13112916)			
471816.60	3752527.08	45.73029	(13112916)	471736.82	
3752557.91	50.88560	(13112916)			
471696.59	3752558.87	55.43655	(13112916)	471627.29	
3752556.22	54.12959	(13112916)			
471584.60	3752556.76	47.01211	(13112916)	471560.01	
3752556.22	43.21440	(13112916)			
471534.35	3752554.87	40.98233	(13112916)	471514.89	
3752554.87	40.63023	(13112916)			
471486.79	3752555.68	42.05500	(13112916)	471465.72	
3752555.41	43.23654	(13112916)			
471442.21	3752554.98	43.29293	(13112916)	471419.71	
3752552.46	42.80036	(13112916)			
471394.22	3752552.91	41.28194	(13112916)	471363.44	
3752552.46	39.63236	(13112916)			
471332.68	3752553.31	39.26114	(13112916)	471307.62	
3752552.94	40.61749	(13112916)			
471284.05	3752552.70	42.87469	(13112916)	471261.98	
3752552.70	44.93392	(13112916)			
471241.90	3752552.70	46.19229	(13112916)	471223.15	
3752552.86	46.63624	(13112916)			
471205.90	3752552.86	46.39544	(13112916)	471173.21	
3752552.37	44.06094	(13112916)			
471135.70	3752552.53	36.75506	(13112916)	471093.22	
3752551.54	35.66256	(14021809)			
471059.37	3752551.70	36.50954	(14021809)	471020.54	
3752551.20	32.87810	(14021809)			
470981.05	3752563.65	25.26580	(14021809)	470980.39	

3752552.20	25.88154	(14021809)		
470980.06	3752535.61	26.83785	(14021809)	470979.89
3752517.19	27.86430	(14021809)		
470980.06	3752499.76	29.78367	(13021809)	470980.22
3752479.85	32.83141	(16120116)		
470980.39	3752459.44	35.75358	(13112716)	470980.22
3752433.22	40.80755	(13112716)		
470980.06	3752404.02	42.85332	(15021709)	470927.12
3752402.69	28.86368	(13112716)		
470907.87	3752402.69	26.08817	(13112716)	470887.30
3752402.69	23.65317	(13112716)		
470869.71	3752402.03	21.99874	(13112716)	470849.63
3752401.86	20.40128	(13112716)		
470829.39	3752402.19	19.02864	(13112716)	470811.63
3752402.19	17.97603	(13112716)		
470791.55	3752402.53	16.92152	(13112716)	470773.63
3752401.86	16.08343	(13112716)		
470749.24	3752402.19	15.06874	(13112716)	470727.72
3752391.74	14.30930	(13112716)		
470733.04	3752338.97	14.41685	(13112716)	470733.70
3752320.55	14.36778	(13112716)		
470734.20	3752291.01	14.27285	(13112716)	470733.20
3752265.78	14.17572	(15021709)		
470732.87	3752218.81	14.36427	(15021709)	470732.54
3752182.14	14.44976	(15021709)		
470732.37	3752145.29	14.55873	(15021709)	470692.38
3752144.80	13.41520	(15021709)		
470670.14	3752144.46	12.87341	(15021709)	470651.72
3752144.30	12.46430	(15021709)		
470633.46	3752144.13	12.09284	(15021709)	470615.54
3752143.97	11.75553	(15021709)		
470595.95	3752143.30	11.41619	(15021709)	470577.03
3752143.47	11.10732	(15021709)		
470553.63	3752143.47	10.75483	(15021709)	470528.57
3752142.64	10.41370	(15021709)		
470507.99	3752142.80	10.15078	(15021709)	470485.59
3752142.47	9.88583	(15021709)		
470471.60	3752131.63	9.78569	(15021709)	470471.60
3752109.21	9.90826	(15021709)		
470471.32	3752085.22	10.04623	(15021709)	470471.46
3752037.68	10.37006	(15021709)		
470471.74	3752013.00	10.56528	(15021709)	470470.89
3751987.18	10.76894	(15021709)		
470470.89	3751965.74	10.95095	(15021709)	470470.75
3751944.44	11.12680	(15021709)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 10/26/23

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*** 09:40:00

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

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX
MICROGRAMS/M**3

IN

**

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
470470.61	3751924.27	11.28366	(15021709)	470470.47	
3751905.93	11.41188	(15021709)			
470470.89	3751884.06	11.54955	(15021709)	470470.61	
3751864.03	11.63667	(15021709)			
470470.33	3751844.00	11.69270	(15021709)	470470.19	
3751824.53	11.71771	(15021709)			
470470.33	3751805.77	11.71788	(15021709)	470470.33	
3751788.00	11.69210	(15021709)			
470470.33	3751761.19	11.62105	(15021709)	470471.03	
3751741.87	11.55600	(15021709)			
470470.05	3751722.82	11.44888	(15021709)	470470.19	
3751703.36	11.34438	(15021709)			
470470.19	3751683.75	11.22694	(15021709)	470470.33	
3751664.28	11.16975	(14123016)			
470470.33	3751642.41	11.24715	(14123016)	470470.47	
3751621.82	11.29356	(14123016)			
470470.19	3751599.81	11.30997	(14123016)	470470.61	
3751578.79	11.31027	(14123016)			
470469.62	3751555.94	11.23447	(14123016)	470470.05	
3751512.49	11.05425	(14123016)			
470468.64	3751414.59	10.39448	(14123016)	470469.76	
3751385.25	10.37633	(14123016)			
470468.65	3751358.95	10.17304	(14123016)	470462.93	
3751325.56	9.83435	(12121315)			
470461.98	3751310.62	9.80349	(12121315)	470462.61	
3751296.63	9.79801	(12121315)			
470462.61	3751283.28	9.78238	(12121315)	470462.61	
3751269.92	9.76485	(12121315)			
470462.93	3751254.35	9.74425	(12121315)	470461.98	
3751240.67	9.70127	(12121315)			
470463.25	3751227.64	9.68244	(12121315)	470756.39	
3751290.59	15.98620	(12121315)			
470797.72	3751268.33	16.86584	(12121315)	470891.19	
3751226.38	19.53535	(12012316)			
470940.78	3751191.82	20.48834	(14020616)	471000.61	
3750923.63	18.48316	(12012316)			
471029.26	3750923.63	18.71675	(12012316)	471056.29	
3750923.90	18.67945	(12012316)			
471077.91	3750924.44	18.47960	(12012316)	471097.64	
3750924.44	18.13028	(12012316)			
471118.18	3750924.98	18.17747	(16112816)	471138.99	
3750927.42	19.83276	(16112816)			
471160.07	3750928.77	21.68828	(16112816)	471181.15	
3750931.47	24.68187	(12121316)			
471201.69	3750930.93	28.54922	(12121316)	471222.50	
3750931.47	28.04726	(12121316)			
471244.13	3750931.20	29.95430	(16112816)	471264.40	
3750931.74	31.61434	(16112816)			
471284.40	3750931.74	32.73890	(16112816)	471305.75	
3750931.74	33.30715	(16112816)			
471324.67	3750930.93	33.11923	(16112816)	471343.05	
3750930.12	32.43132	(16112816)			
471363.86	3750929.04	31.19745	(16112816)	471381.96	
3750928.77	29.94334	(16112816)			
471400.88	3750928.23	28.57657	(16112816)	471421.15	
3750927.96	27.27669	(16112816)			
471440.59	3750928.11	26.37253	(16112816)	471461.83	
3750927.45	25.79793	(16112816)			
471479.76	3750927.95	25.67176	(16112816)	471499.68	

3750927.62	25.75434	(16112816)		
471519.26	3750928.78	26.01914	(16112816)	471537.02
3750929.61	26.19024	(16112816)		
471556.77	3750930.94	26.26106	(16112816)	471580.68
3750934.09	26.10095	(16112816)		
471624.00	3750940.23	26.15599	(15122816)	471795.90
3750950.11	20.26626	(15122816)		
471796.29	3750967.88	20.46931	(15122816)	471796.69
3750987.22	20.56793	(15122816)		
471797.47	3751006.75	20.42806	(15122816)	471796.69
3751025.30	20.67946	(15122816)		
471795.90	3751046.40	20.48285	(15122816)	471796.69
3751072.96	20.44566	(16112816)		
471797.47	3751143.85	23.74486	(12121716)	471833.01
3751143.85	23.93177	(12121716)		
471867.38	3751144.05	23.84990	(12121716)	471891.02
3751144.44	23.63340	(12121716)		
471916.60	3751144.24	23.16369	(12121716)	471939.45
3751144.24	22.68737	(12121716)		
471963.08	3751144.44	21.97297	(12121716)	471984.17
3751144.05	21.51395	(12121716)		

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

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
471999.02	3751163.38	22.66003	(12121716)	472000.19	
3751199.12	24.97493	(12121716)			
471999.80	3751230.56	26.22903	(12121716)	472000.38	
3751251.46	26.76457	(12121716)			
472000.19	3751281.15	27.50763	(12121716)	472001.95	
3751347.94	30.04862	(12121716)			
472036.90	3751348.52	28.51485	(12121716)	472063.07	
3751349.31	27.47083	(12121716)			
472084.56	3751348.33	26.65030	(12121716)	472104.87	
3751348.72	25.98297	(12121716)			
472127.33	3751348.52	25.24234	(12121716)	472150.76	
3751349.70	24.55007	(12121716)			
472171.47	3751349.50	23.88979	(12121716)	472194.12	
3751349.11	23.16767	(12121716)			
472222.63	3751348.72	22.38388	(12121716)	472247.83	
3751349.50	21.72786	(12121716)			
472269.70	3751349.11	21.16053	(12121716)	472290.40	

3751350.28	20.69949	(12121716)		
472313.64	3751350.48	20.17623	(12121716)	472333.76
3751351.26	19.75336	(12121716)		
472354.85	3751351.26	19.28601	(12121716)	472377.70
3751351.06	18.78106	(12121716)		
472401.72	3751351.06	18.27797	(12121716)	472425.55
3751351.84	17.82646	(12121716)		
472445.67	3751350.67	17.43986	(12121716)	472463.24
3751350.87	17.11746	(12121716)		
472484.14	3751350.87	16.73794	(12121716)	472503.87
3751351.26	16.41555	(12121716)		
472523.79	3751351.26	16.11389	(12121716)	472543.32
3751351.26	15.83222	(12121716)		
472563.24	3751352.24	15.55932	(12121716)	472582.57
3751352.04	15.28758	(12121716)		
472601.32	3751352.04	15.03537	(12121716)	472606.79
3751367.27	15.15185	(12121716)		
472607.57	3751396.37	15.54235	(12121716)	472608.55
3751432.11	16.09523	(12121716)		
472608.94	3751462.58	16.65014	(12121716)	472609.52
3751497.15	17.51357	(12121716)		
472610.70	3751553.78	19.77338	(12121716)	472665.97
3751553.98	19.44146	(12121716)		
472690.38	3751553.59	19.30424	(12121716)	472713.50
3751554.27	19.25630	(12121716)		
472734.64	3751554.04	19.14416	(12121716)	472759.46
3751554.04	19.02463	(12121716)		
472781.75	3751554.50	18.95348	(12121716)	472849.76
3751556.11	18.85530	(12121716)		
472871.82	3751556.11	18.75542	(12121716)	472895.25
3751555.65	18.60845	(12121716)		
472922.60	3751555.88	18.47712	(12121716)	473092.41
3751802.31	33.18908	(12121716)		
473204.80	3751856.81	22.71857	(12121716)	472991.21
3752083.31	24.18137	(13112916)		
473295.12	3752052.49	11.97043	(141111116)	473356.76
3752050.34	10.22036	(141111116)		
473495.10	3751996.58	10.14243	(13112016)	473486.50
3751917.74	12.30564	(13112016)		
473392.60	3752058.22	9.48234	(141111116)	473464.28
3752082.59	8.37089	(141111116)		
473550.29	3752087.61	7.34782	(13121916)	473584.69
3752089.76	7.11598	(13121916)		
472765.59	3752474.09	10.20647	(141111116)	470432.16
3750483.93	16.78802	(12121316)		
469244.06	3754182.82	3.51999	(14020709)	469596.75
3750785.65	5.31479	(14101709)		
470466.55	3750530.27	18.57127	(12121316)	469319.29
3749244.53	4.24908	(14121709)		
469229.64	3749502.19	4.06115	(15122209)	468465.38
3749582.33	4.15614	(12011709)		
471438.37	3750129.76	12.37437	(15122816)	471657.54
3749918.78	9.16903	(15122816)		
471732.91	3749916.52	8.42056	(15122816)	471710.30
3750132.80	10.20921	(15122816)		
471273.89	3750119.77	10.55182		
(15122816)				

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 Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

**

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

ALL HIGH 1ST HIGH VALUE IS 63.68338 ON 13112916: AT (472052.12, 3752531.22,
499.36, 512.00, 2.00) DC

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

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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 881 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 881 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 10/26/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\LSTs\14064 Cons PM10\14064 Cons
PM10.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

CO STARTING

```

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2189641 Riverside_County
POLLUTID PM_10
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14064 Cons PM10.err"

```

CO FINISHED

```

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

```

SO STARTING

** Source Location **

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

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

LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL42	VOLUME	472135.642	3751845.064	525.790
LOCATION VOL43	VOLUME	472323.361	3751843.460	510.520
LOCATION VOL44	VOLUME	472512.544	3751852.284	501.450
LOCATION VOL45	VOLUME	472698.022	3751875.469	491.390
LOCATION VOL46	VOLUME	472880.772	3751928.657	487.900
LOCATION VOL47	VOLUME	472608.011	3752044.580	498.520
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810
LOCATION PAREA1	AREAPOLY	470984.533	3751406.024	515.330

** Source Parameters **

SRCPARAM VOL1	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL2	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL3	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL4	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL5	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL6	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL7	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL8	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL9	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL10	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL11	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL12	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL13	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL14	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL15	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL16	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL17	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL18	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL19	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL20	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL21	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL22	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL23	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL24	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL25	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL26	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL27	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL28	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL29	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL30	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL31	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL32	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL33	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL34	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL35	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL36	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL37	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL38	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL39	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL40	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL41	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL42	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL43	0.0045772668	5.000	43.702	1.400
SRCPARAM VOL44	0.0045772668	5.000	43.702	1.400

SRCPARAM	VOL45	0.0045772668	5.000	43.702	1.400
SRCPARAM	VOL46	0.0045772668	5.000	43.702	1.400
SRCPARAM	VOL47	0.0045772668	5.000	43.702	1.400
SRCPARAM	VOL48	0.0045772668	5.000	43.702	1.400
SRCPARAM	PAREA1	5.9703E-07	0.000	33	1.000
AREAVERT	PAREA1	470984.533	3751406.024	470977.851	3751426.069
AREAVERT	PAREA1	470961.147	3751427.739	470880.967	3751684.984
AREAVERT	PAREA1	470872.615	3751733.426	470869.274	3751801.913
AREAVERT	PAREA1	470885.978	3751888.775	470912.705	3751970.626
AREAVERT	PAREA1	470962.818	3752102.589	470972.840	3752174.417
AREAVERT	PAREA1	470974.511	3752314.732	470999.567	3752316.403
AREAVERT	PAREA1	471001.237	3752498.478	471078.077	3752500.149
AREAVERT	PAREA1	471078.077	3752465.070	471701.143	3752466.740
AREAVERT	PAREA1	471702.814	3752436.673	472100.373	3752443.354
AREAVERT	PAREA1	472095.362	3751942.229	472521.319	3751948.910
AREAVERT	PAREA1	472517.978	3752139.338	472700.054	3752139.338
AREAVERT	PAREA1	472705.065	3751973.967	472935.583	3752014.057
AREAVERT	PAREA1	472963.980	3751842.003	472753.507	3751786.880
AREAVERT	PAREA1	472599.829	3751766.834	472369.311	3751755.142
AREAVERT	PAREA1	472160.508	3751753.471	472005.159	3751771.846
AREAVERT	PAREA1	471585.884	3751228.959	471189.995	3751228.959
AREAVERT	PAREA1	471083.088	3751419.387		
URBANSRC	ALL				

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

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

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

** Saturday:

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

** Sunday:

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

** WeekDays:

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

** Saturday:

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

** Sunday:

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

** WeekDays:

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

** Saturday:

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


```

** Sunday:
EMISFACT VOL47      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL47      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL47      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL47      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL48      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA1     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

```

SO FINISHED

```

**
*****

```

```

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

```

```

RE STARTING
  INCLUDED "14064 Cons PM10.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

RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "14064 CONS PM10.AD\24H1GALL.PLT" 31
SUMMFILE "14064 Cons PM10.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 915 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 915 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 49 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: PM_10

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 49 Source(s); 1 Source Group(s); and 233 Receptor(s)

with: 0 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)
 and: 48 VOLUME source(s)
 and: 1 AREA type source(s)
 and: 0 LINE source(s)
 and: 0 RLINE/RLINEXT source(s)
 and: 0 OPENPIT source(s)
 and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
 and: 0 SWPOINT source(s)

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

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
 Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
 Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

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

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 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: 14064 Cons

PM10.err

**File for Summary of Results: 14064 Cons

PM10.sum

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

*** VOLUME SOURCE DATA ***

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

VOL1	0	0.45773E-02	471175.5	3752366.4	510.2	5.00	43.70	1.40
YES HRDOW								
VOL2	0	0.45773E-02	471362.2	3752367.6	512.4	5.00	43.70	1.40

YES	HRDOW								
VOL3		0	0.45773E-02	471550.1	3752368.4	518.9	5.00	43.70	1.40
YES	HRDOW								
VOL4		0	0.45773E-02	471609.6	3752371.6	516.0	5.00	43.70	1.40
YES	HRDOW								
VOL5		0	0.45773E-02	471796.7	3752342.2	515.1	5.00	43.70	1.40
YES	HRDOW								
VOL6		0	0.45773E-02	471984.7	3752344.6	513.6	5.00	43.70	1.40
YES	HRDOW								
VOL7		0	0.45773E-02	472003.7	3752347.0	512.1	5.00	43.70	1.40
YES	HRDOW								
VOL8		0	0.45773E-02	472002.9	3752159.1	521.6	5.00	43.70	1.40
YES	HRDOW								
VOL9		0	0.45773E-02	471814.2	3752156.7	520.7	5.00	43.70	1.40
YES	HRDOW								
VOL10		0	0.45773E-02	471628.6	3752181.3	526.8	5.00	43.70	1.40
YES	HRDOW								
VOL11		0	0.45773E-02	471440.7	3752181.3	527.4	5.00	43.70	1.40
YES	HRDOW								
VOL12		0	0.45773E-02	471253.6	3752180.5	518.9	5.00	43.70	1.40
YES	HRDOW								
VOL13		0	0.45773E-02	471092.6	3752217.7	509.6	5.00	43.70	1.40
YES	HRDOW								
VOL14		0	0.45773E-02	471074.4	3752029.0	516.1	5.00	43.70	1.40
YES	HRDOW								
VOL15		0	0.45773E-02	471263.9	3751992.5	521.1	5.00	43.70	1.40
YES	HRDOW								
VOL16		0	0.45773E-02	471452.6	3751994.1	530.0	5.00	43.70	1.40
YES	HRDOW								
VOL17		0	0.45773E-02	471640.5	3751992.5	534.9	5.00	43.70	1.40
YES	HRDOW								
VOL18		0	0.45773E-02	471827.7	3751968.0	533.0	5.00	43.70	1.40
YES	HRDOW								
VOL19		0	0.45773E-02	472002.9	3751970.3	527.9	5.00	43.70	1.40
YES	HRDOW								
VOL20		0	0.45773E-02	471845.1	3751780.0	538.8	5.00	43.70	1.40
YES	HRDOW								
VOL21		0	0.45773E-02	471657.2	3751803.8	536.0	5.00	43.70	1.40
YES	HRDOW								
VOL22		0	0.45773E-02	471468.5	3751806.2	528.3	5.00	43.70	1.40
YES	HRDOW								
VOL23		0	0.45773E-02	471280.5	3751807.0	525.0	5.00	43.70	1.40
YES	HRDOW								
VOL24		0	0.45773E-02	471093.4	3751841.9	515.6	5.00	43.70	1.40
YES	HRDOW								
VOL25		0	0.45773E-02	470978.4	3751841.9	518.1	5.00	43.70	1.40
YES	HRDOW								
VOL26		0	0.45773E-02	471014.1	3751654.8	520.4	5.00	43.70	1.40
YES	HRDOW								
VOL27		0	0.45773E-02	471201.2	3751654.8	525.1	5.00	43.70	1.40
YES	HRDOW								
VOL28		0	0.45773E-02	471389.2	3751619.1	534.9	5.00	43.70	1.40
YES	HRDOW								
VOL29		0	0.45773E-02	471577.9	3751616.7	529.0	5.00	43.70	1.40
YES	HRDOW								
VOL30		0	0.45773E-02	471724.6	3751620.7	533.8	5.00	43.70	1.40
YES	HRDOW								
VOL31		0	0.45773E-02	471941.0	3751865.7	534.6	5.00	43.70	1.40
YES	HRDOW								
VOL32		0	0.45773E-02	471795.2	3751684.9	537.3	5.00	43.70	1.40
YES	HRDOW								
VOL33		0	0.45773E-02	471577.9	3751434.3	531.1	5.00	43.70	1.40
YES	HRDOW								
VOL34		0	0.45773E-02	471390.0	3751431.9	537.3	5.00	43.70	1.40
YES	HRDOW								
VOL35		0	0.45773E-02	471202.0	3751467.6	526.8	5.00	43.70	1.40

PAREA1 0 0.59703E-06 470984.5 3751406.0 515.3 0.00 33 1.00

YES HRDOW

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

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

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

PAREA1

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

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

URBAN ID

URBAN POP

SOURCE IDs

	2189641.	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	
	VOL6	, VOL7	,									
VOL8	,											
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,

VOL39 , VOL40 ,
VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
VOL47 , VOL48 ,

PAREA1 ,

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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Campus\14064 Ops\140 *** 10/26/23
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

.0000E+00 23 .0000E+00 24 .0000E+00
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
*** 09:43:14

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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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*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for WEEKDAY.

DAY OF WEEK = SATURDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for SATURDAY.

DAY OF WEEK = SUNDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for SUNDAY.

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for WEEKDAY.

DAY OF WEEK = SATURDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for SATURDAY.

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL30		; SOURCE TYPE = VOLUME		:	
SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	
	.1000E+01	15	.1000E+01	16	.1000E+01						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	
	.0000E+00	7	.0000E+00	8	.0000E+00						
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	
	.0000E+00	15	.0000E+00	16	.0000E+00						
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	
	.0000E+00	23	.0000E+00	24	.0000E+00						

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL31, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekday (Days 1-7), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturday (Days 8-14), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sunday (Days 15-21), with values ranging from 0.0000E+00 to 0.1000E+01.

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL32, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekday (Days 1-7), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturday (Days 8-14), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sunday (Days 15-21), with values ranging from 0.0000E+00 to 0.1000E+01.

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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(472283.7, 3752641.0, 492.6, 492.6, 2.0);	(472482.2, 3752398.0, 499.3, 499.3, 2.0);
(472478.0, 3752183.1, 505.1, 505.1, 2.0);	(472148.1, 3752531.5, 495.2, 502.0, 2.0);
(472052.1, 3752531.2, 499.4, 512.0, 2.0);	(471975.5, 3752531.2, 500.5, 514.0, 2.0);
(471896.1, 3752530.9, 503.4, 513.0, 2.0);	(471840.8, 3752529.9, 503.4, 513.0, 2.0);
(471816.6, 3752527.1, 500.6, 513.0, 2.0);	(471736.8, 3752557.9, 501.5, 501.5, 2.0);
(471696.6, 3752558.9, 500.0, 500.0, 2.0);	(471627.3, 3752556.2, 501.9, 512.0, 2.0);
(471584.6, 3752556.8, 504.5, 507.0, 2.0);	(471560.0, 3752556.2, 504.6, 507.0, 2.0);
(471534.3, 3752554.9, 503.2, 509.0, 2.0);	(471514.9, 3752554.9, 502.2, 519.0, 2.0);
(471486.8, 3752555.7, 503.1, 503.1, 2.0);	(471465.7, 3752555.4,

503.1,	503.1,	2.0);			
(471442.2,	3752555.0,	501.3,	505.0,	2.0);	(471419.7, 3752552.5,
500.3,	505.0,	2.0);			
(471394.2,	3752552.9,	501.4,	501.4,	2.0);	(471363.4, 3752552.5,
503.5,	503.5,	2.0);			
(471332.7,	3752553.3,	505.8,	505.8,	2.0);	(471307.6, 3752552.9,
506.9,	506.9,	2.0);			
(471284.0,	3752552.7,	506.2,	506.2,	2.0);	(471262.0, 3752552.7,
505.7,	505.7,	2.0);			
(471241.9,	3752552.7,	505.6,	505.6,	2.0);	(471223.1, 3752552.9,
505.9,	505.9,	2.0);			
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506.5,	506.5,	2.0);			
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505.4,	505.4,	2.0);			
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503.7,	503.7,	2.0);			
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504.9,	504.9,	2.0);			
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500.9,	505.0,	2.0);			
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500.3,	500.3,	2.0);			
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499.7,	499.7,	2.0);			
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498.6,	498.6,	2.0);			
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497.8,	497.8,	2.0);			
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500.2,	500.2,	2.0);			
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499.7,	499.7,	2.0);			
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500.1,	500.1,	2.0);			
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( 470470.3, 3751805.8,    495.7,    499.0,      2.0);      ( 470470.3, 3751788.0,
495.1,      502.0,      2.0);
( 470470.3, 3751761.2,    497.6,    497.6,      2.0);      ( 470471.0, 3751741.9,
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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***      10/26/23

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 470470.0, 3751722.8,    501.4,    501.4,      2.0);      ( 470470.2, 3751703.4,
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506.2,      506.2,      2.0);
( 470470.3, 3751642.4,    507.6,    507.6,      2.0);      ( 470470.5, 3751621.8,
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( 472000.2, 3751281.1,      536.2,      536.2,      2.0);      ( 472002.0, 3751347.9,
537.0,      537.0,      2.0);
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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***      10/26/23

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs:      RegDFAULT      CONC      ELEV      FLGPOL      URBAN      ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 472354.8, 3751351.3,      518.5,      532.0,      2.0);      ( 472377.7, 3751351.1,
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( 472401.7, 3751351.1,      513.6,      533.0,      2.0);      ( 472425.5, 3751351.8,
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( 472523.8, 3751351.3,      506.2,      531.0,      2.0);      ( 472543.3, 3751351.3,
506.4,      506.4,      2.0);
( 472563.2, 3751352.2,      506.1,      506.1,      2.0);      ( 472582.6, 3751352.0,

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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,

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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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											
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)

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S):		VOL1	VOL2	
VOL3	VOL4	VOL5		
VOL6	VOL7	VOL8	VOL9	VOL10
VOL11	VOL12	VOL13		
VOL14	VOL15	VOL16	VOL17	VOL18
VOL19	VOL20	VOL21		
VOL22	VOL23	VOL24	VOL25	VOL26
VOL27	VOL28	. . .		

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
472283.74	3752640.98	0.39223	(13100924)	472482.23	
3752398.04	0.49550m	(13112124)			
472477.97	3752183.12	0.61202	(13121924)	472148.10	
3752531.53	0.63980	(13100924)			

472052.12	3752531.22	0.74507	(13100924)	471975.52
3752531.22	0.78117	(13100924)		
471896.06	3752530.90	0.81103	(13100924)	471840.76
3752529.94	0.81658	(13100924)		
471816.60	3752527.08	0.81187	(13100924)	471736.82
3752557.91	0.77035	(13100924)		
471696.59	3752558.87	0.76793	(13100924)	471627.29
3752556.22	0.78386	(13100924)		
471584.60	3752556.76	0.78126	(13100924)	471560.01
3752556.22	0.77424	(16010624)		
471534.35	3752554.87	0.78614	(16010624)	471514.89
3752554.87	0.78671	(16010624)		
471486.79	3752555.68	0.79398	(16010624)	471465.72
3752555.41	0.79713	(16010624)		
471442.21	3752554.98	0.78982	(16010624)	471419.71
3752552.46	0.79463	(16010624)		
471394.22	3752552.91	0.79981	(16010624)	471363.44
3752552.46	0.81554	(16010624)		
471332.68	3752553.31	0.82297	(16010624)	471307.62
3752552.94	0.82783	(16010624)		
471284.05	3752552.70	0.82437	(16010624)	471261.98
3752552.70	0.82016	(16010624)		
471241.90	3752552.70	0.81749	(16010624)	471223.15
3752552.86	0.81617	(16010624)		
471205.90	3752552.86	0.81589	(16010624)	471173.21
3752552.37	0.81907	(16010624)		
471135.70	3752552.53	0.82403	(16010624)	471093.22
3752551.54	0.83507	(16010624)		
471059.37	3752551.70	0.84270	(16010624)	471020.54
3752551.20	0.83802	(16010624)		
470981.05	3752563.65	0.72462	(16010524)	470980.39
3752552.20	0.77963	(16010524)		
470980.06	3752535.61	0.87116	(16010524)	470979.89
3752517.19	0.98599	(16010524)		
470980.06	3752499.76	1.11275	(14121224)	470980.22
3752479.85	1.20493	(14121224)		
470980.39	3752459.44	1.26384	(14121224)	470980.22
3752433.22	1.30675	(14121224)		
470980.06	3752404.02	1.39482	(12121324)	470927.12
3752402.69	0.89677	(14121224)		
470907.87	3752402.69	0.81017	(14121224)	470887.30
3752402.69	0.73565	(14121224)		
470869.71	3752402.03	0.68880	(14121224)	470849.63
3752401.86	0.64082	(14121224)		
470829.39	3752402.19	0.59779	(14121224)	470811.63
3752402.19	0.56425	(14121224)		
470791.55	3752402.53	0.52997	(14121224)	470773.63
3752401.86	0.50280	(14121224)		
470749.24	3752402.19	0.46944	(14121224)	470727.72
3752391.74	0.44781	(14121224)		
470733.04	3752338.97	0.47290	(14121224)	470733.70
3752320.55	0.47904	(14121224)		
470734.20	3752291.01	0.48814	(14121224)	470733.20
3752265.78	0.49552	(15112724)		
470732.87	3752218.81	0.51868	(15112724)	470732.54
3752182.14	0.53460	(15112724)		
470732.37	3752145.29	0.55087	(15112724)	470692.38
3752144.80	0.49909	(15112724)		
470670.14	3752144.46	0.47417	(15112724)	470651.72
3752144.30	0.45523	(15112724)		
470633.46	3752144.13	0.43777	(15112724)	470615.54
3752143.97	0.42181	(15112724)		
470595.95	3752143.30	0.40572	(15112724)	470577.03
3752143.47	0.39097	(15112724)		
470553.63	3752143.47	0.37406	(15112724)	470528.57
3752142.64	0.35760	(15112724)		

470507.99	3752142.80	0.34474	(15112724)	470485.59
3752142.47	0.33177	(15112724)		
470471.60	3752131.63	0.32723	(15112724)	470471.60
3752109.21	0.33372	(15112724)		
470471.32	3752085.22	0.34035	(15112724)	470471.46
3752037.68	0.35323	(15112724)		
470471.74	3752013.00	0.35960	(15112724)	470470.89
3751987.18	0.36512	(15112724)		
470470.89	3751965.74	0.36972	(15112724)	470470.75
3751944.44	0.37376	(15112724)		

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 Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN
 MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
470470.61	3751924.27	0.37711	(15112724)	470470.47	
3751905.93	0.37970	(15112724)			
470470.89	3751884.06	0.38262	(15112724)	470470.61	
3751864.03	0.38422	(15112724)			
470470.33	3751844.00	0.38512	(15112724)	470470.19	
3751824.53	0.38534	(15112724)			
470470.33	3751805.77	0.38516	(15112724)	470470.33	
3751788.00	0.38438	(15112724)			
470470.33	3751761.19	0.38296	(15112724)	470471.03	
3751741.87	0.38150	(15112724)			
470470.05	3751722.82	0.37806	(15112724)	470470.19	
3751703.36	0.37453	(15112724)			
470470.19	3751683.75	0.37267	(14121624)	470470.33	
3751664.28	0.37105	(14121624)			
470470.33	3751642.41	0.36835	(14121624)	470470.47	
3751621.82	0.36523	(14121624)			
470470.19	3751599.81	0.36411	(16122924)	470470.61	
3751578.79	0.36899c	(14123024)			
470469.62	3751555.94	0.37270c	(14123024)	470470.05	
3751512.49	0.37926c	(14123024)			
470468.64	3751414.59	0.38016c	(14123024)	470469.76	
3751385.25	0.37954c	(14123024)			
470468.65	3751358.95	0.37562c	(14123024)	470462.93	
3751325.56	0.36638c	(14123024)			
470461.98	3751310.62	0.36316c	(14123024)	470462.61	
3751296.63	0.36106c	(14123024)			
470462.61	3751283.28	0.35942	(13012524)	470462.61	
3751269.92	0.35963	(13012524)			

470462.93	3751254.35	0.35966	(13012524)	470461.98
3751240.67	0.35916	(13012524)		
470463.25	3751227.64	0.35948	(13012524)	470756.39
3751290.59	0.69264	(12121324)		
470797.72	3751268.33	0.73687	(12121324)	470891.19
3751226.38	0.81482	(12121324)		
470940.78	3751191.82	0.79797	(12121324)	471000.61
3750923.63	0.50593	(12121324)		
471029.26	3750923.63	0.51102	(12121324)	471056.29
3750923.90	0.51400	(12121324)		
471077.91	3750924.44	0.51362	(12121324)	471097.64
3750924.44	0.51058	(12121324)		
471118.18	3750924.98	0.50709m	(14123124)	471138.99
3750927.42	0.50967m	(14123124)		
471160.07	3750928.77	0.50981m	(14123124)	471181.15
3750931.47	0.50878m	(14123124)		
471201.69	3750930.93	0.50422m	(14123124)	471222.50
3750931.47	0.50085m	(14123124)		
471244.13	3750931.20	0.49474m	(14123124)	471264.40
3750931.74	0.48981m	(14123124)		
471284.40	3750931.74	0.48483m	(14123124)	471305.75
3750931.74	0.48100m	(14123124)		
471324.67	3750930.93	0.47790m	(14123124)	471343.05
3750930.12	0.47404m	(14123124)		
471363.86	3750929.04	0.46656m	(14123124)	471381.96
3750928.77	0.45787m	(14123124)		
471400.88	3750928.23	0.44504m	(14123124)	471421.15
3750927.96	0.42696m	(14123124)		
471440.59	3750928.11	0.42481	(15122824)	471461.83
3750927.45	0.42956	(15122824)		
471479.76	3750927.95	0.43412	(15122824)	471499.68
3750927.62	0.43787	(15122824)		
471519.26	3750928.78	0.44267	(15122824)	471537.02
3750929.61	0.44639	(15122824)		
471556.77	3750930.94	0.44928	(15122824)	471580.68
3750934.09	0.45330	(15122824)		
471624.00	3750940.23	0.45244	(15122824)	471795.90
3750950.11	0.38971	(15122824)		
471796.29	3750967.88	0.40381	(15122824)	471796.69
3750987.22	0.42114	(15122824)		
471797.47	3751006.75	0.44037	(15122824)	471796.69
3751025.30	0.45838	(15122824)		
471795.90	3751046.40	0.47945	(15122824)	471796.69
3751072.96	0.50593	(15122824)		
471797.47	3751143.85	0.58502	(15122824)	471833.01
3751143.85	0.54539	(15122824)		
471867.38	3751144.05	0.51151	(15122824)	471891.02
3751144.44	0.49291	(15122824)		
471916.60	3751144.24	0.47329	(15122824)	471939.45
3751144.24	0.45496	(15122824)		
471963.08	3751144.44	0.44053	(15122824)	471984.17
3751144.05	0.42475	(15122824)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,

VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
471999.02	3751163.38	0.42316	(15122824)	472000.19	
3751199.12	0.43476	(15122824)			
471999.80	3751230.56	0.45010	(15122824)	472000.38	
3751251.46	0.45964	(15122824)			
472000.19	3751281.15	0.48038	(13112024)	472001.95	
3751347.94	0.54837	(13112024)			
472036.90	3751348.52	0.51373	(13112024)	472063.07	
3751349.31	0.49101	(13112024)			
472084.56	3751348.33	0.47389	(13112024)	472104.87	
3751348.72	0.46119	(13112024)			
472127.33	3751348.52	0.44826	(13112024)	472150.76	
3751349.70	0.43699	(13112024)			
472171.47	3751349.50	0.42645	(13112024)	472194.12	
3751349.11	0.41728	(13112024)			
472222.63	3751348.72	0.40723	(13112024)	472247.83	
3751349.50	0.39986	(13112024)			
472269.70	3751349.11	0.39430	(13112024)	472290.40	
3751350.28	0.38745	(13112024)			
472313.64	3751350.48	0.37928	(13112024)	472333.76	
3751351.26	0.37382	(13112024)			
472354.85	3751351.26	0.37092	(13112024)	472377.70	
3751351.06	0.36881	(13112024)			
472401.72	3751351.06	0.36672	(13112024)	472425.55	
3751351.84	0.36167	(13112024)			
472445.67	3751350.67	0.35634	(13112024)	472463.24	
3751350.87	0.35258	(13112024)			
472484.14	3751350.87	0.34782	(13112024)	472503.87	
3751351.26	0.34317	(13112024)			
472523.79	3751351.26	0.33796	(13112024)	472543.32	
3751351.26	0.33266	(13112024)			
472563.24	3751352.24	0.32770	(13112024)	472582.57	
3751352.04	0.32228	(13112024)			
472601.32	3751352.04	0.31714	(13112024)	472606.79	
3751367.27	0.32272	(13112024)			
472607.57	3751396.37	0.33666	(13112024)	472608.55	
3751432.11	0.35566	(13112024)			
472608.94	3751462.58	0.37473	(13112024)	472609.52	
3751497.15	0.40000	(13112024)			
472610.70	3751553.78	0.45584	(13112024)	472665.97	
3751553.98	0.43679	(13112024)			
472690.38	3751553.59	0.42899	(13112024)	472713.50	
3751554.27	0.42347	(13112024)			
472734.64	3751554.04	0.41802	(13112024)	472759.46	
3751554.04	0.41228	(13112024)			
472781.75	3751554.50	0.40764	(13112024)	472849.76	
3751556.11	0.39038	(13112024)			
472871.82	3751556.11	0.38225	(13112024)	472895.25	
3751555.65	0.37227	(13112024)			
472922.60	3751555.88	0.36104	(13112024)	473092.41	
3751802.31	0.69580	(12042324)			
473204.80	3751856.81	0.55740	(13111924)	472991.21	
3752083.31	0.62499m	(13112124)			

473295.12	3752052.49	0.39688m	(13112124)	473356.76
3752050.34	0.34464	(15042424)		
473495.10	3751996.58	0.31045	(15042424)	473486.50
3751917.74	0.32570	(12050124)		
473392.60	3752058.22	0.32434	(15042424)	473464.28
3752082.59	0.29632	(13020524)		
473550.29	3752087.61	0.27588	(13020524)	473584.69
3752089.76	0.26894	(13020524)		
472765.59	3752474.09	0.35651m	(13112124)	470432.16
3750483.93	0.28866	(12121324)		
469244.06	3754182.82	0.06594	(16091624)	469596.75
3750785.65	0.23783	(13012524)		
470466.55	3750530.27	0.30047	(12121324)	469319.29
3749244.53	0.10659	(12010224)		
469229.64	3749502.19	0.10472	(13012524)	468465.38
3749582.33	0.14452	(13012524)		
471438.37	3750129.76	0.14484	(16011524)	471657.54
3749918.78	0.13370	(15122824)		
471732.91	3749916.52	0.13355	(15122824)	471710.30
3750132.80	0.15737	(15122824)		
471273.89	3750119.77	0.13470		
(12012424)				

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M³ **

DATE

GROUP ID	AVERAGE CONC	DATE	RECEPTOR	NETWORK
ZELEV, ZHILL, ZFLAG)	OF TYPE GRID-ID	(YYMMDDHH)	(XR, YR,	

ALL HIGH 1ST HIGH VALUE IS 1.39482 ON 12121324: AT (470980.06, 3752404.02, 506.00, 506.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 915 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 915 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 10/26/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\LSTs\14064 Cons PM25\14064 Cons
PM25.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

CO STARTING

```

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2189641 Riverside_County
POLLUTID PM_2.5
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14064 Cons PM25.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	471175.473	3752366.407	510.210
LOCATION VOL2	VOLUME	471362.212	3752367.600	512.450
LOCATION VOL3	VOLUME	471550.136	3752368.393	518.920
LOCATION VOL4	VOLUME	471609.606	3752371.565	516.010
LOCATION VOL5	VOLUME	471796.736	3752342.227	515.100
LOCATION VOL6	VOLUME	471984.660	3752344.605	513.590
LOCATION VOL7	VOLUME	472003.690	3752346.984	512.090
LOCATION VOL8	VOLUME	472002.898	3752159.060	521.590
LOCATION VOL9	VOLUME	471814.181	3752156.682	520.730
LOCATION VOL10	VOLUME	471628.636	3752181.262	526.790
LOCATION VOL11	VOLUME	471440.712	3752181.262	527.380
LOCATION VOL12	VOLUME	471253.581	3752180.469	518.870
LOCATION VOL13	VOLUME	471092.617	3752217.737	509.620
LOCATION VOL14	VOLUME	471074.380	3752029.020	516.070
LOCATION VOL15	VOLUME	471263.889	3751992.546	521.100
LOCATION VOL16	VOLUME	471452.606	3751994.132	529.960
LOCATION VOL17	VOLUME	471640.530	3751992.546	534.940
LOCATION VOL18	VOLUME	471827.661	3751967.965	533.000
LOCATION VOL19	VOLUME	472002.898	3751970.344	527.910
LOCATION VOL20	VOLUME	471845.105	3751780.041	538.850
LOCATION VOL21	VOLUME	471657.181	3751803.829	536.000
LOCATION VOL22	VOLUME	471468.465	3751806.208	528.300
LOCATION VOL23	VOLUME	471280.541	3751807.001	524.990
LOCATION VOL24	VOLUME	471093.410	3751841.890	515.600
LOCATION VOL25	VOLUME	470978.435	3751841.890	518.120
LOCATION VOL26	VOLUME	471014.117	3751654.759	520.370
LOCATION VOL27	VOLUME	471201.248	3751654.759	525.140
LOCATION VOL28	VOLUME	471389.172	3751619.077	534.860

LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL42	VOLUME	472135.642	3751845.064	525.790
LOCATION VOL43	VOLUME	472323.361	3751843.460	510.520
LOCATION VOL44	VOLUME	472512.544	3751852.284	501.450
LOCATION VOL45	VOLUME	472698.022	3751875.469	491.390
LOCATION VOL46	VOLUME	472880.772	3751928.657	487.900
LOCATION VOL47	VOLUME	472608.011	3752044.580	498.520
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810
LOCATION PAREA1	AREAPOLY	470984.533	3751406.024	515.330

** Source Parameters **

SRCPARAM VOL1	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL2	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL3	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL4	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL5	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL6	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL7	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL8	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL9	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL10	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL11	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL12	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL13	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL14	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL15	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL16	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL17	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL18	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL19	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL20	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL21	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL22	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL23	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL24	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL25	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL26	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL27	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL28	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL29	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL30	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL31	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL32	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL33	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL34	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL35	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL36	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL37	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL38	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL39	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL40	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL41	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL42	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL43	0.0042097729	5.000	43.702	1.400
SRCPARAM VOL44	0.0042097729	5.000	43.702	1.400

SRCPARAM	VOL45	0.0042097729	5.000	43.702	1.400
SRCPARAM	VOL46	0.0042097729	5.000	43.702	1.400
SRCPARAM	VOL47	0.0042097729	5.000	43.702	1.400
SRCPARAM	VOL48	0.0042097729	5.000	43.702	1.400
SRCPARAM	PAREA1	1.8916E-07	0.000	33	1.000
AREAVERT	PAREA1	470984.533	3751406.024	470977.851	3751426.069
AREAVERT	PAREA1	470961.147	3751427.739	470880.967	3751684.984
AREAVERT	PAREA1	470872.615	3751733.426	470869.274	3751801.913
AREAVERT	PAREA1	470885.978	3751888.775	470912.705	3751970.626
AREAVERT	PAREA1	470962.818	3752102.589	470972.840	3752174.417
AREAVERT	PAREA1	470974.511	3752314.732	470999.567	3752316.403
AREAVERT	PAREA1	471001.237	3752498.478	471078.077	3752500.149
AREAVERT	PAREA1	471078.077	3752465.070	471701.143	3752466.740
AREAVERT	PAREA1	471702.814	3752436.673	472100.373	3752443.354
AREAVERT	PAREA1	472095.362	3751942.229	472521.319	3751948.910
AREAVERT	PAREA1	472517.978	3752139.338	472700.054	3752139.338
AREAVERT	PAREA1	472705.065	3751973.967	472935.583	3752014.057
AREAVERT	PAREA1	472963.980	3751842.003	472753.507	3751786.880
AREAVERT	PAREA1	472599.829	3751766.834	472369.311	3751755.142
AREAVERT	PAREA1	472160.508	3751753.471	472005.159	3751771.846
AREAVERT	PAREA1	471585.884	3751228.959	471189.995	3751228.959
AREAVERT	PAREA1	471083.088	3751419.387		
URBANSRC	ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL2	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL3	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0


```

** Sunday:
EMISFACT VOL47      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL47      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL47      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL47      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL48      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA1     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

```

SO FINISHED

```

**
*****

```

```

** AERMOD Receptor Pathway
*****
**
**

```

```

RE STARTING
  INCLUDED "14064 Cons PM25.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

RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "14064 CONS PM25.AD\24H1GALL.PLT" 31
SUMMFILE "14064 Cons PM25.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 915 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 915 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 49 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: PM_2.5

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 49 Source(s); 1 Source Group(s); and 233 Receptor(s)

```

with:      0 POINT(s), including
           0 POINTCAP(s) and      0 POINTHOR(s)
and:      48 VOLUME source(s)
and:      1 AREA type source(s)
and:      0 LINE source(s)
and:      0 RLINE/RLINEXT source(s)
and:      0 OPENPIT source(s)
and:      0 BUOYANT LINE source(s) with a total of      0 line(s)
and:      0 SWPOINT source(s)

```

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

```

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

```

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 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: 14064 Cons

PM25.err

**File for Summary of Results: 14064 Cons

PM25.sum

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY						

VOL1	0	0.42098E-02	471175.5	3752366.4	510.2	5.00	43.70	1.40
YES	HRDOW							
VOL2	0	0.42098E-02	471362.2	3752367.6	512.4	5.00	43.70	1.40

YES	HRDOW								
VOL3		0	0.42098E-02	471550.1	3752368.4	518.9	5.00	43.70	1.40
YES	HRDOW								
VOL4		0	0.42098E-02	471609.6	3752371.6	516.0	5.00	43.70	1.40
YES	HRDOW								
VOL5		0	0.42098E-02	471796.7	3752342.2	515.1	5.00	43.70	1.40
YES	HRDOW								
VOL6		0	0.42098E-02	471984.7	3752344.6	513.6	5.00	43.70	1.40
YES	HRDOW								
VOL7		0	0.42098E-02	472003.7	3752347.0	512.1	5.00	43.70	1.40
YES	HRDOW								
VOL8		0	0.42098E-02	472002.9	3752159.1	521.6	5.00	43.70	1.40
YES	HRDOW								
VOL9		0	0.42098E-02	471814.2	3752156.7	520.7	5.00	43.70	1.40
YES	HRDOW								
VOL10		0	0.42098E-02	471628.6	3752181.3	526.8	5.00	43.70	1.40
YES	HRDOW								
VOL11		0	0.42098E-02	471440.7	3752181.3	527.4	5.00	43.70	1.40
YES	HRDOW								
VOL12		0	0.42098E-02	471253.6	3752180.5	518.9	5.00	43.70	1.40
YES	HRDOW								
VOL13		0	0.42098E-02	471092.6	3752217.7	509.6	5.00	43.70	1.40
YES	HRDOW								
VOL14		0	0.42098E-02	471074.4	3752029.0	516.1	5.00	43.70	1.40
YES	HRDOW								
VOL15		0	0.42098E-02	471263.9	3751992.5	521.1	5.00	43.70	1.40
YES	HRDOW								
VOL16		0	0.42098E-02	471452.6	3751994.1	530.0	5.00	43.70	1.40
YES	HRDOW								
VOL17		0	0.42098E-02	471640.5	3751992.5	534.9	5.00	43.70	1.40
YES	HRDOW								
VOL18		0	0.42098E-02	471827.7	3751968.0	533.0	5.00	43.70	1.40
YES	HRDOW								
VOL19		0	0.42098E-02	472002.9	3751970.3	527.9	5.00	43.70	1.40
YES	HRDOW								
VOL20		0	0.42098E-02	471845.1	3751780.0	538.8	5.00	43.70	1.40
YES	HRDOW								
VOL21		0	0.42098E-02	471657.2	3751803.8	536.0	5.00	43.70	1.40
YES	HRDOW								
VOL22		0	0.42098E-02	471468.5	3751806.2	528.3	5.00	43.70	1.40
YES	HRDOW								
VOL23		0	0.42098E-02	471280.5	3751807.0	525.0	5.00	43.70	1.40
YES	HRDOW								
VOL24		0	0.42098E-02	471093.4	3751841.9	515.6	5.00	43.70	1.40
YES	HRDOW								
VOL25		0	0.42098E-02	470978.4	3751841.9	518.1	5.00	43.70	1.40
YES	HRDOW								
VOL26		0	0.42098E-02	471014.1	3751654.8	520.4	5.00	43.70	1.40
YES	HRDOW								
VOL27		0	0.42098E-02	471201.2	3751654.8	525.1	5.00	43.70	1.40
YES	HRDOW								
VOL28		0	0.42098E-02	471389.2	3751619.1	534.9	5.00	43.70	1.40
YES	HRDOW								
VOL29		0	0.42098E-02	471577.9	3751616.7	529.0	5.00	43.70	1.40
YES	HRDOW								
VOL30		0	0.42098E-02	471724.6	3751620.7	533.8	5.00	43.70	1.40
YES	HRDOW								
VOL31		0	0.42098E-02	471941.0	3751865.7	534.6	5.00	43.70	1.40
YES	HRDOW								
VOL32		0	0.42098E-02	471795.2	3751684.9	537.3	5.00	43.70	1.40
YES	HRDOW								
VOL33		0	0.42098E-02	471577.9	3751434.3	531.1	5.00	43.70	1.40
YES	HRDOW								
VOL34		0	0.42098E-02	471390.0	3751431.9	537.3	5.00	43.70	1.40
YES	HRDOW								
VOL35		0	0.42098E-02	471202.0	3751467.6	526.8	5.00	43.70	1.40

PAREA1 0 0.18916E-06 470984.5 3751406.0 515.3 0.00 33 1.00

YES HRDOW

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL42	,	VOL43	,	VOL44	,	VOL45	,	VOL46	,
	VOL47	,	VOL48	,								

PAREA1

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID

URBAN POP

SOURCE IDs

	2189641.	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	
	VOL6	, VOL7	,									
VOL8	,											
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,

VOL39 , VOL40 ,
VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
VOL47 , VOL48 ,

PAREA1 ,

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

HR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR SCALAR SCALAR SCALAR SCALAR SCALAR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :

HR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR SCALAR SCALAR SCALAR SCALAR SCALAR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.1000E+01	8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	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 = VOL27 ; SOURCE TYPE = VOLUME :

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.1000E+01	8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL31, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Weekday emission rate scalars for source VOL31, with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Saturday emission rate scalars for source VOL31, with values ranging from 0.0000E+00 to 0.0000E+00.

DAY OF WEEK = SUNDAY

Sunday emission rate scalars for source VOL31, with values ranging from 0.0000E+00 to 0.0000E+00.

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL32, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Weekday emission rate scalars for source VOL32, with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Saturday emission rate scalars for source VOL32, with values ranging from 0.0000E+00 to 0.0000E+00.

DAY OF WEEK = SUNDAY

Sunday emission rate scalars for source VOL32, with values ranging from 0.0000E+00 to 0.0000E+00.

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: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
 (HRDOW) *

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Sunday.

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 1 row of scalar values for Sunday.

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(472283.7, 3752641.0, 492.6, 492.6, 2.0);	(472482.2, 3752398.0, 499.3, 499.3, 2.0);
(472478.0, 3752183.1, 505.1, 505.1, 2.0);	(472148.1, 3752531.5, 495.2, 502.0, 2.0);
(472052.1, 3752531.2, 499.4, 512.0, 2.0);	(471975.5, 3752531.2, 500.5, 514.0, 2.0);
(471896.1, 3752530.9, 503.4, 513.0, 2.0);	(471840.8, 3752529.9, 503.4, 513.0, 2.0);
(471816.6, 3752527.1, 500.6, 513.0, 2.0);	(471736.8, 3752557.9, 501.5, 501.5, 2.0);
(471696.6, 3752558.9, 500.0, 500.0, 2.0);	(471627.3, 3752556.2, 501.9, 512.0, 2.0);
(471584.6, 3752556.8, 504.5, 507.0, 2.0);	(471560.0, 3752556.2, 504.6, 507.0, 2.0);
(471534.3, 3752554.9, 503.2, 509.0, 2.0);	(471514.9, 3752554.9, 502.2, 519.0, 2.0);
(471486.8, 3752555.7, 503.1, 503.1, 2.0);	(471465.7, 3752555.4,

503.1,	503.1,	2.0);				
(471442.2,	3752555.0,	501.3,	505.0,	2.0);	(471419.7,	3752552.5,
500.3,	505.0,	2.0);				
(471394.2,	3752552.9,	501.4,	501.4,	2.0);	(471363.4,	3752552.5,
503.5,	503.5,	2.0);				
(471332.7,	3752553.3,	505.8,	505.8,	2.0);	(471307.6,	3752552.9,
506.9,	506.9,	2.0);				
(471284.0,	3752552.7,	506.2,	506.2,	2.0);	(471262.0,	3752552.7,
505.7,	505.7,	2.0);				
(471241.9,	3752552.7,	505.6,	505.6,	2.0);	(471223.1,	3752552.9,
505.9,	505.9,	2.0);				
(471205.9,	3752552.9,	506.2,	506.2,	2.0);	(471173.2,	3752552.4,
506.5,	506.5,	2.0);				
(471135.7,	3752552.5,	506.1,	506.1,	2.0);	(471093.2,	3752551.5,
505.4,	505.4,	2.0);				
(471059.4,	3752551.7,	504.7,	504.7,	2.0);	(471020.5,	3752551.2,
503.1,	503.1,	2.0);				
(470981.0,	3752563.6,	502.1,	502.1,	2.0);	(470980.4,	3752552.2,
502.5,	502.5,	2.0);				
(470980.1,	3752535.6,	503.0,	503.0,	2.0);	(470979.9,	3752517.2,
503.7,	503.7,	2.0);				
(470980.1,	3752499.8,	504.0,	504.0,	2.0);	(470980.2,	3752479.8,
504.0,	504.0,	2.0);				
(470980.4,	3752459.4,	504.6,	504.6,	2.0);	(470980.2,	3752433.2,
505.4,	505.4,	2.0);				
(470980.1,	3752404.0,	506.0,	506.0,	2.0);	(470927.1,	3752402.7,
504.9,	504.9,	2.0);				
(470907.9,	3752402.7,	503.1,	503.1,	2.0);	(470887.3,	3752402.7,
500.9,	505.0,	2.0);				
(470869.7,	3752402.0,	500.7,	500.7,	2.0);	(470849.6,	3752401.9,
500.3,	500.3,	2.0);				
(470829.4,	3752402.2,	500.0,	500.0,	2.0);	(470811.6,	3752402.2,
499.7,	499.7,	2.0);				
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498.6,	498.6,	2.0);				
(470749.2,	3752402.2,	497.8,	497.8,	2.0);	(470727.7,	3752391.7,
497.8,	497.8,	2.0);				
(470733.0,	3752339.0,	499.9,	499.9,	2.0);	(470733.7,	3752320.5,
500.2,	500.2,	2.0);				
(470734.2,	3752291.0,	500.8,	500.8,	2.0);	(470733.2,	3752265.8,
500.8,	500.8,	2.0);				
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501.8,	501.8,	2.0);				
(470732.4,	3752145.3,	503.0,	503.0,	2.0);	(470692.4,	3752144.8,
502.5,	502.5,	2.0);				
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502.0,	502.0,	2.0);				
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500.9,	500.9,	2.0);				
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500.0,	500.0,	2.0);				
(470553.6,	3752143.5,	499.7,	499.7,	2.0);	(470528.6,	3752142.6,
498.8,	498.8,	2.0);				
(470508.0,	3752142.8,	497.6,	497.6,	2.0);	(470485.6,	3752142.5,
496.3,	496.3,	2.0);				
(470471.6,	3752131.6,	496.1,	496.1,	2.0);	(470471.6,	3752109.2,
497.3,	497.3,	2.0);				
(470471.3,	3752085.2,	498.1,	498.1,	2.0);	(470471.5,	3752037.7,
499.7,	499.7,	2.0);				
(470471.7,	3752013.0,	500.0,	500.0,	2.0);	(470470.9,	3751987.2,
500.1,	500.1,	2.0);				
(470470.9,	3751965.7,	500.1,	500.1,	2.0);	(470470.8,	3751944.4,
500.1,	500.1,	2.0);				
(470470.6,	3751924.3,	499.6,	499.6,	2.0);	(470470.5,	3751905.9,
499.0,	499.0,	2.0);				
(470470.9,	3751884.1,	499.1,	499.1,	2.0);	(470470.6,	3751864.0,

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498.6,      498.6,      2.0);
( 470470.3, 3751844.0,    497.9,    497.9,      2.0);      ( 470470.2, 3751824.5,
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( 470470.3, 3751805.8,    495.7,    499.0,      2.0);      ( 470470.3, 3751788.0,
495.1,      502.0,      2.0);
( 470470.3, 3751761.2,    497.6,    497.6,      2.0);      ( 470471.0, 3751741.9,
499.5,      499.5,      2.0);

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***      10/26/23

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*** AERMET - VERSION 16216 ***
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***      09:49:03

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*** MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 470470.0, 3751722.8,    501.4,    501.4,      2.0);      ( 470470.2, 3751703.4,
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( 470470.2, 3751683.8,    504.9,    504.9,      2.0);      ( 470470.3, 3751664.3,
506.2,      506.2,      2.0);
( 470470.3, 3751642.4,    507.6,    507.6,      2.0);      ( 470470.5, 3751621.8,
508.5,      508.5,      2.0);
( 470470.2, 3751599.8,    509.0,    509.0,      2.0);      ( 470470.6, 3751578.8,
509.1,      509.1,      2.0);
( 470469.6, 3751555.9,    507.6,    507.6,      2.0);      ( 470470.0, 3751512.5,
504.8,      512.0,      2.0);
( 470468.6, 3751414.6,    501.8,    513.0,      2.0);      ( 470469.8, 3751385.2,
507.1,      513.0,      2.0);
( 470468.6, 3751358.9,    509.6,    509.6,      2.0);      ( 470462.9, 3751325.6,
511.9,      511.9,      2.0);
( 470462.0, 3751310.6,    512.6,    512.6,      2.0);      ( 470462.6, 3751296.6,
512.4,      512.4,      2.0);
( 470462.6, 3751283.3,    512.0,    512.0,      2.0);      ( 470462.6, 3751269.9,
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( 470462.9, 3751254.3,    509.6,    512.0,      2.0);      ( 470462.0, 3751240.7,
508.9,      508.9,      2.0);
( 470463.2, 3751227.6,    509.4,    509.4,      2.0);      ( 470756.4, 3751290.6,
507.7,      525.0,      2.0);
( 470797.7, 3751268.3,    507.7,    525.0,      2.0);      ( 470891.2, 3751226.4,
512.0,      512.0,      2.0);
( 470940.8, 3751191.8,    512.1,    512.1,      2.0);      ( 471000.6, 3750923.6,
523.8,      523.8,      2.0);
( 471029.3, 3750923.6,    523.7,    523.7,      2.0);      ( 471056.3, 3750923.9,
524.2,      542.0,      2.0);
( 471077.9, 3750924.4,    524.8,    543.0,      2.0);      ( 471097.6, 3750924.4,
525.7,      543.0,      2.0);
( 471118.2, 3750925.0,    528.0,    543.0,      2.0);      ( 471139.0, 3750927.4,
529.8,      543.0,      2.0);
( 471160.1, 3750928.8,    530.8,    543.0,      2.0);      ( 471181.1, 3750931.5,
532.3,      543.0,      2.0);
( 471201.7, 3750930.9,    533.3,    543.0,      2.0);      ( 471222.5, 3750931.5,
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( 471244.1, 3750931.2,    534.8,    543.0,      2.0);      ( 471264.4, 3750931.7,
535.7,      538.0,      2.0);
( 471284.4, 3750931.7,    536.5,    536.5,      2.0);      ( 471305.8, 3750931.7,
536.5,      536.5,      2.0);
( 471324.7, 3750930.9,    535.8,    535.8,      2.0);      ( 471343.0, 3750930.1,
534.9,      534.9,      2.0);
( 471363.9, 3750929.0,    534.7,    534.7,      2.0);      ( 471382.0, 3750928.8,
534.8,      534.8,      2.0);
( 471400.9, 3750928.2,    535.0,    535.0,      2.0);      ( 471421.1, 3750928.0,
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( 471440.6, 3750928.1,    535.6,    535.6,      2.0);      ( 471461.8, 3750927.4,

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( 471519.3, 3750928.8,      536.6,      549.0,      2.0);      ( 471537.0, 3750929.6,
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541.7,      549.0,      2.0);
( 471624.0, 3750940.2,      545.0,      549.0,      2.0);      ( 471795.9, 3750950.1,
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545.3,      547.0,      2.0);
( 471797.5, 3751006.8,      542.7,      549.0,      2.0);      ( 471796.7, 3751025.3,
542.0,      547.0,      2.0);
( 471795.9, 3751046.4,      541.1,      541.1,      2.0);      ( 471796.7, 3751073.0,
540.1,      540.1,      2.0);
( 471797.5, 3751143.8,      537.7,      537.7,      2.0);      ( 471833.0, 3751143.8,
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( 471867.4, 3751144.0,      534.9,      534.9,      2.0);      ( 471891.0, 3751144.4,
532.9,      532.9,      2.0);
( 471916.6, 3751144.2,      530.9,      530.9,      2.0);      ( 471939.5, 3751144.2,
529.4,      529.4,      2.0);
( 471963.1, 3751144.4,      525.8,      535.0,      2.0);      ( 471984.2, 3751144.0,
524.4,      533.0,      2.0);
( 471999.0, 3751163.4,      525.3,      536.0,      2.0);      ( 472000.2, 3751199.1,
530.8,      530.8,      2.0);
( 471999.8, 3751230.6,      532.9,      532.9,      2.0);      ( 472000.4, 3751251.5,
534.3,      534.3,      2.0);
( 472000.2, 3751281.1,      536.2,      536.2,      2.0);      ( 472002.0, 3751347.9,
537.0,      537.0,      2.0);
( 472036.9, 3751348.5,      536.6,      536.6,      2.0);      ( 472063.1, 3751349.3,
536.5,      536.5,      2.0);
( 472084.6, 3751348.3,      535.8,      535.8,      2.0);      ( 472104.9, 3751348.7,
534.6,      534.6,      2.0);
( 472127.3, 3751348.5,      533.0,      533.0,      2.0);      ( 472150.8, 3751349.7,
531.4,      531.4,      2.0);
( 472171.5, 3751349.5,      530.3,      530.3,      2.0);      ( 472194.1, 3751349.1,
528.2,      531.0,      2.0);
( 472222.6, 3751348.7,      525.4,      536.0,      2.0);      ( 472247.8, 3751349.5,
523.2,      536.0,      2.0);
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520.7,      535.0,      2.0);
( 472313.6, 3751350.5,      520.9,      532.0,      2.0);      ( 472333.8, 3751351.3,
520.6,      532.0,      2.0);

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***      10/26/23

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*** AERMET - VERSION 16216 ***
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***      09:49:03

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*** MODELOPTs:      RegDFAULT      CONC      ELEV      FLGPOL      URBAN      ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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```

( 472354.8, 3751351.3,      518.5,      532.0,      2.0);      ( 472377.7, 3751351.1,
516.0,      532.0,      2.0);
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511.8,      532.0,      2.0);
( 472445.7, 3751350.7,      511.1,      532.0,      2.0);      ( 472463.2, 3751350.9,
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506.3,      532.0,      2.0);
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506.4,      506.4,      2.0);
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78.	10.1	298.8	2.0											
12 01 01	1 12	184.7	0.337	1.516	0.005	668.	473.	-18.4	0.15	2.40	0.20	2.89		
68.	10.1	300.4	2.0											
12 01 01	1 13	183.9	0.310	1.809	0.005	1139.	414.	-14.2	0.15	2.40	0.20	2.57		
64.	10.1	302.5	2.0											
12 01 01	1 14	156.6	0.374	1.852	0.005	1434.	549.	-29.5	0.15	2.40	0.22	3.37		
63.	10.1	303.1	2.0											
12 01 01	1 15	104.3	0.382	1.658	0.005	1546.	567.	-47.2	0.15	2.40	0.25	3.59		
62.	10.1	302.5	2.0											
12 01 01	1 16	31.8	0.374	1.123	0.005	1573.	550.	-145.8	0.15	2.40	0.34	3.76		
69.	10.1	300.9	2.0											
12 01 01	1 17	-23.3	0.276	-9.000	-9.000	-999.	354.	84.0	0.15	2.40	0.62	3.03		
59.	10.1	297.5	2.0											
12 01 01	1 18	-21.5	0.229	-9.000	-9.000	-999.	264.	57.8	0.15	2.40	1.00	2.54		
54.	10.1	295.4	2.0											
12 01 01	1 19	-19.3	0.204	-9.000	-9.000	-999.	221.	45.6	0.15	2.40	1.00	2.27		
79.	10.1	292.0	2.0											
12 01 01	1 20	-20.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.15	2.40	1.00	2.42		
79.	10.1	292.5	2.0											
12 01 01	1 21	-19.7	0.206	-9.000	-9.000	-999.	225.	46.9	0.15	2.40	1.00	2.30		
95.	10.1	290.9	2.0											
12 01 01	1 22	-17.6	0.190	-9.000	-9.000	-999.	199.	39.8	0.15	2.40	1.00	2.13		
78.	10.1	290.4	2.0											
12 01 01	1 23	-20.3	0.211	-9.000	-9.000	-999.	233.	49.0	0.15	2.40	1.00	2.35		
52.	10.1	289.2	2.0											
12 01 01	1 24	-16.4	0.183	-9.000	-9.000	-999.	189.	37.0	0.15	2.40	1.00	2.06		
75.	10.1	288.8	2.0											

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.1	1	55.	2.93	288.2	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 10/26/23
 *** AERMET - VERSION 16216 ***
 *** 09:49:03

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM 2.5 IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
472283.74	3752640.98	0.16903	(13100924)	472482.23	
3752398.04	0.20972m	(13112124)			
472477.97	3752183.12	0.24481c	(12121724)	472148.10	
3752531.53	0.27746	(13100924)			

472052.12	3752531.22	0.32318	(13100924)	471975.52
3752531.22	0.33123	(13100924)		
471896.06	3752530.90	0.34153	(13100924)	471840.76
3752529.94	0.34252	(13100924)		
471816.60	3752527.08	0.33983	(13100924)	471736.82
3752557.91	0.32718	(13100924)		
471696.59	3752558.87	0.32745	(13100924)	471627.29
3752556.22	0.33205	(13100924)		
471584.60	3752556.76	0.32832	(13100924)	471560.01
3752556.22	0.33491	(16010624)		
471534.35	3752554.87	0.34045	(16010624)	471514.89
3752554.87	0.34048	(16010624)		
471486.79	3752555.68	0.34269	(16010624)	471465.72
3752555.41	0.34277	(16010624)		
471442.21	3752554.98	0.33804	(16010624)	471419.71
3752552.46	0.33878	(16010624)		
471394.22	3752552.91	0.34034	(16010624)	471363.44
3752552.46	0.34688	(16010624)		
471332.68	3752553.31	0.35020	(16010624)	471307.62
3752552.94	0.35199	(16010624)		
471284.05	3752552.70	0.35018	(16010624)	471261.98
3752552.70	0.34810	(16010624)		
471241.90	3752552.70	0.34696	(16010624)	471223.15
3752552.86	0.34680	(16010624)		
471205.90	3752552.86	0.34746	(16010624)	471173.21
3752552.37	0.35130	(16010624)		
471135.70	3752552.53	0.35736	(16010624)	471093.22
3752551.54	0.36698	(16010624)		
471059.37	3752551.70	0.36975	(16010624)	471020.54
3752551.20	0.36262	(16010624)		
470981.05	3752563.65	0.31329	(16010524)	470980.39
3752552.20	0.33573	(16010524)		
470980.06	3752535.61	0.37248	(16010524)	470979.89
3752517.19	0.41793	(16010524)		
470980.06	3752499.76	0.47302	(14121224)	470980.22
3752479.85	0.51608	(14121224)		
470980.39	3752459.44	0.54616	(14121224)	470980.22
3752433.22	0.56424	(14121224)		
470980.06	3752404.02	0.59854	(12121324)	470927.12
3752402.69	0.37846	(14121224)		
470907.87	3752402.69	0.34132	(14121224)	470887.30
3752402.69	0.30947	(14121224)		
470869.71	3752402.03	0.28927	(14121224)	470849.63
3752401.86	0.26892	(14121224)		
470829.39	3752402.19	0.25087	(14121224)	470811.63
3752402.19	0.23685	(14121224)		
470791.55	3752402.53	0.22259	(14121224)	470773.63
3752401.86	0.21129	(14121224)		
470749.24	3752402.19	0.19747	(14121224)	470727.72
3752391.74	0.18829	(14121224)		
470733.04	3752338.97	0.19788	(14121224)	470733.70
3752320.55	0.20024	(14121224)		
470734.20	3752291.01	0.20374	(14121224)	470733.20
3752265.78	0.20584	(14121224)		
470732.87	3752218.81	0.21339	(15112724)	470732.54
3752182.14	0.21908	(15112724)		
470732.37	3752145.29	0.22505	(15112724)	470692.38
3752144.80	0.20438	(15112724)		
470670.14	3752144.46	0.19441	(15112724)	470651.72
3752144.30	0.18682	(15112724)		
470633.46	3752144.13	0.17981	(15112724)	470615.54
3752143.97	0.17339	(15112724)		
470595.95	3752143.30	0.16691	(15112724)	470577.03
3752143.47	0.16096	(15112724)		
470553.63	3752143.47	0.15415	(15112724)	470528.57
3752142.64	0.14749	(15112724)		

470507.99	3752142.80	0.14229	(15112724)	470485.59
3752142.47	0.13703	(15112724)		
470471.60	3752131.63	0.13518	(15112724)	470471.60
3752109.21	0.13783	(15112724)		
470471.32	3752085.22	0.14056	(15112724)	470471.46
3752037.68	0.14601	(15112724)		
470471.74	3752013.00	0.14875	(15112724)	470470.89
3751987.18	0.15116	(15112724)		
470470.89	3751965.74	0.15317	(15112724)	470470.75
3751944.44	0.15494	(15112724)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN
 MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
470470.61	3751924.27	0.15639	(15112724)	470470.47	
3751905.93	0.15751	(15112724)			
470470.89	3751884.06	0.15877	(15112724)	470470.61	
3751864.03	0.15945	(15112724)			
470470.33	3751844.00	0.15982	(15112724)	470470.19	
3751824.53	0.15991	(15112724)			
470470.33	3751805.77	0.15984	(15112724)	470470.33	
3751788.00	0.15954	(15112724)			
470470.33	3751761.19	0.15910	(15112724)	470471.03	
3751741.87	0.15863	(15112724)			
470470.05	3751722.82	0.15736	(15112724)	470470.19	
3751703.36	0.15608	(15112724)			
470470.19	3751683.75	0.15551	(14121624)	470470.33	
3751664.28	0.15496	(14121624)			
470470.33	3751642.41	0.15398	(14121624)	470470.47	
3751621.82	0.15284	(14121624)			
470470.19	3751599.81	0.15187	(16122924)	470470.61	
3751578.79	0.15298c	(14123024)			
470469.62	3751555.94	0.15453c	(14123024)	470470.05	
3751512.49	0.15730c	(14123024)			
470468.64	3751414.59	0.15789c	(14123024)	470469.76	
3751385.25	0.15791c	(14123024)			
470468.65	3751358.95	0.15647c	(14123024)	470462.93	
3751325.56	0.15286c	(14123024)			
470461.98	3751310.62	0.15164c	(14123024)	470462.61	
3751296.63	0.15087c	(14123024)			
470462.61	3751283.28	0.14994c	(14123024)	470462.61	
3751269.92	0.14897c	(14123024)			

470462.93	3751254.35	0.14789c	(14123024)	470461.98
3751240.67	0.14679	(13012524)		
470463.25	3751227.64	0.14695	(13012524)	470756.39
3751290.59	0.27158	(12121324)		
470797.72	3751268.33	0.28833	(12121324)	470891.19
3751226.38	0.32009	(12121324)		
470940.78	3751191.82	0.31587	(12121324)	471000.61
3750923.63	0.19819m	(14123124)		
471029.26	3750923.63	0.20845m	(14123124)	471056.29
3750923.90	0.21702m	(14123124)		
471077.91	3750924.44	0.22265m	(14123124)	471097.64
3750924.44	0.22631m	(14123124)		
471118.18	3750924.98	0.22865m	(14123124)	471138.99
3750927.42	0.23081m	(14123124)		
471160.07	3750928.77	0.23119m	(14123124)	471181.15
3750931.47	0.23070m	(14123124)		
471201.69	3750930.93	0.22796m	(14123124)	471222.50
3750931.47	0.22544m	(14123124)		
471244.13	3750931.20	0.22156m	(14123124)	471264.40
3750931.74	0.21835m	(14123124)		
471284.40	3750931.74	0.21529m	(14123124)	471305.75
3750931.74	0.21285m	(14123124)		
471324.67	3750930.93	0.21092m	(14123124)	471343.05
3750930.12	0.20876m	(14123124)		
471363.86	3750929.04	0.20509m	(14123124)	471381.96
3750928.77	0.20105m	(14123124)		
471400.88	3750928.23	0.19520m	(14123124)	471421.15
3750927.96	0.18710m	(14123124)		
471440.59	3750928.11	0.17919	(15122824)	471461.83
3750927.45	0.18045	(15122824)		
471479.76	3750927.95	0.18192	(15122824)	471499.68
3750927.62	0.18313	(15122824)		
471519.26	3750928.78	0.18495	(15122824)	471537.02
3750929.61	0.18728	(15122824)		
471556.77	3750930.94	0.18896	(15122824)	471580.68
3750934.09	0.19155	(15122824)		
471624.00	3750940.23	0.19177	(15122824)	471795.90
3750950.11	0.16585	(15122824)		
471796.29	3750967.88	0.17184	(15122824)	471796.69
3750987.22	0.17908	(15122824)		
471797.47	3751006.75	0.18692	(15122824)	471796.69
3751025.30	0.19455	(15122824)		
471795.90	3751046.40	0.20311	(15122824)	471796.69
3751072.96	0.21379	(15122824)		
471797.47	3751143.85	0.24664	(15122824)	471833.01
3751143.85	0.22939	(15122824)		
471867.38	3751144.05	0.21387	(15122824)	471891.02
3751144.44	0.20635	(15122824)		
471916.60	3751144.24	0.19866	(15122824)	471939.45
3751144.24	0.19076	(15122824)		
471963.08	3751144.44	0.18458	(15122824)	471984.17
3751144.05	0.17774	(15122824)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

	INCLUDING SOURCE(S):	VOL1	,	VOL2	,
	VOL3	,	VOL4	,	VOL5
VOL6	,	VOL7	,	VOL8	,
VOL11	,	VOL12	,	VOL13	,

VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
471999.02	3751163.38	0.17782	(15122824)	472000.19	
3751199.12	0.18389	(15122824)			
471999.80	3751230.56	0.19092	(15122824)	472000.38	
3751251.46	0.19516	(15122824)			
472000.19	3751281.15	0.20639	(13112024)	472001.95	
3751347.94	0.23657	(13112024)			
472036.90	3751348.52	0.22137	(13112024)	472063.07	
3751349.31	0.21137	(13112024)			
472084.56	3751348.33	0.20379	(13112024)	472104.87	
3751348.72	0.19812	(13112024)			
472127.33	3751348.52	0.19230	(13112024)	472150.76	
3751349.70	0.18717	(13112024)			
472171.47	3751349.50	0.18238	(13112024)	472194.12	
3751349.11	0.17809	(13112024)			
472222.63	3751348.72	0.17329	(13112024)	472247.83	
3751349.50	0.16969	(13112024)			
472269.70	3751349.11	0.16684	(13112024)	472290.40	
3751350.28	0.16372	(13112024)			
472313.64	3751350.48	0.16004	(13112024)	472333.76	
3751351.26	0.15749	(13112024)			
472354.85	3751351.26	0.15579	(13112024)	472377.70	
3751351.06	0.15432	(13112024)			
472401.72	3751351.06	0.15287	(13112024)	472425.55	
3751351.84	0.15055	(13112024)			
472445.67	3751350.67	0.14815	(13112024)	472463.24	
3751350.87	0.14647	(13112024)			
472484.14	3751350.87	0.14436	(13112024)	472503.87	
3751351.26	0.14233	(13112024)			
472523.79	3751351.26	0.14009	(13112024)	472543.32	
3751351.26	0.13785	(13112024)			
472563.24	3751352.24	0.13577	(13112024)	472582.57	
3751352.04	0.13353	(13112024)			
472601.32	3751352.04	0.13141	(13112024)	472606.79	
3751367.27	0.13375	(13112024)			
472607.57	3751396.37	0.13954	(13112024)	472608.55	
3751432.11	0.14738	(13112024)			
472608.94	3751462.58	0.15523	(13112024)	472609.52	
3751497.15	0.16554	(13112024)			
472610.70	3751553.78	0.18809	(13112024)	472665.97	
3751553.98	0.18033	(13112024)			
472690.38	3751553.59	0.17706	(13112024)	472713.50	
3751554.27	0.17457	(13112024)			
472734.64	3751554.04	0.17215	(13112024)	472759.46	
3751554.04	0.16953	(13112024)			
472781.75	3751554.50	0.16736	(13112024)	472849.76	
3751556.11	0.15939	(13112024)			
472871.82	3751556.11	0.15600	(13112024)	472895.25	
3751555.65	0.15195	(13112024)			
472922.60	3751555.88	0.14738	(13112024)	473092.41	
3751802.31	0.28466	(12042324)			
473204.80	3751856.81	0.22834	(12042324)	472991.21	
3752083.31	0.26325m	(13112124)			

473295.12	3752052.49	0.16552m	(13112124)	473356.76
3752050.34	0.14242m	(13112124)		
473495.10	3751996.58	0.12604	(15042424)	473486.50
3751917.74	0.13323	(12050124)		
473392.60	3752058.22	0.13356m	(13112124)	473464.28
3752082.59	0.12132m	(13112124)		
473550.29	3752087.61	0.11027	(13020524)	473584.69
3752089.76	0.10747	(13020524)		
472765.59	3752474.09	0.14829m	(13112124)	470432.16
3750483.93	0.11553	(12121324)		
469244.06	3754182.82	0.02372	(15122924)	469596.75
3750785.65	0.09625	(13012524)		
470466.55	3750530.27	0.12128	(12121324)	469319.29
3749244.53	0.04153	(12010224)		
469229.64	3749502.19	0.04437	(13012524)	468465.38
3749582.33	0.05934	(13012524)		
471438.37	3750129.76	0.05929	(16011524)	471657.54
3749918.78	0.05353	(15122824)		
471732.91	3749916.52	0.05310	(15122824)	471710.30
3750132.80	0.06334	(15122824)		
471273.89	3750119.77	0.05927		
(12012424)				

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_{2.5} IN
MICROGRAMS/M³ **

GROUP ID	AVERAGE CONC	DATE	NETWORK
ZELEV, ZHILL, ZFLAG)	OF TYPE GRID-ID	(YYMMDDHH)	RECEPTOR (XR, YR,

ALL HIGH 1ST HIGH VALUE IS 0.59854 ON 12121324: AT (470980.06, 3752404.02, 506.00, 506.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 915 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 915 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 10/26/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\LSTs\14064 Cons CO Mit\14064
Cons CO Mit.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

CO STARTING

```

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME 1 8
URBANOPT 2189641 Riverside_County
POLLUTID CO
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14064 Cons CO Mit.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.
LOCATION VOL1	VOLUME	471175.473	3752366.407
LOCATION VOL2	VOLUME	471362.212	3752367.600
LOCATION VOL3	VOLUME	471550.136	3752368.393
LOCATION VOL4	VOLUME	471609.606	3752371.565
LOCATION VOL5	VOLUME	471796.736	3752342.227
LOCATION VOL6	VOLUME	471984.660	3752344.605
LOCATION VOL7	VOLUME	472003.690	3752346.984
LOCATION VOL8	VOLUME	472002.898	3752159.060
LOCATION VOL9	VOLUME	471814.181	3752156.682
LOCATION VOL10	VOLUME	471628.636	3752181.262
LOCATION VOL11	VOLUME	471440.712	3752181.262
LOCATION VOL12	VOLUME	471253.581	3752180.469
LOCATION VOL13	VOLUME	471092.617	3752217.737
LOCATION VOL14	VOLUME	471074.380	3752029.020
LOCATION VOL15	VOLUME	471263.889	3751992.546
LOCATION VOL16	VOLUME	471452.606	3751994.132
LOCATION VOL17	VOLUME	471640.530	3751992.546
LOCATION VOL18	VOLUME	471827.661	3751967.965
LOCATION VOL19	VOLUME	472002.898	3751970.344
LOCATION VOL20	VOLUME	471845.105	3751780.041
LOCATION VOL21	VOLUME	471657.181	3751803.829
LOCATION VOL22	VOLUME	471468.465	3751806.208
LOCATION VOL23	VOLUME	471280.541	3751807.001
LOCATION VOL24	VOLUME	471093.410	3751841.890
LOCATION VOL25	VOLUME	470978.435	3751841.890
LOCATION VOL26	VOLUME	471014.117	3751654.759
LOCATION VOL27	VOLUME	471201.248	3751654.759
LOCATION VOL28	VOLUME	471389.172	3751619.077

LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL42	VOLUME	472135.642	3751845.064	525.790
LOCATION VOL43	VOLUME	472323.361	3751843.460	510.520
LOCATION VOL44	VOLUME	472512.544	3751852.284	501.450
LOCATION VOL45	VOLUME	472698.022	3751875.469	491.390
LOCATION VOL46	VOLUME	472880.772	3751928.657	487.900
LOCATION VOL47	VOLUME	472608.011	3752044.580	498.520
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810

** Source Parameters **

SRCPARAM VOL1	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL2	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL3	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL4	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL5	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL6	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL7	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL8	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL9	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL10	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL11	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL12	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL13	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL14	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL15	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL16	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL17	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL18	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL19	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL20	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL21	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL22	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL23	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL24	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL25	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL26	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL27	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL28	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL29	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL30	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL31	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL32	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL33	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL34	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL35	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL36	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL37	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL38	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL39	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL40	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL41	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL42	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL43	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL44	0.1525952457	5.000	43.702	1.400
SRCPARAM VOL45	0.1525952457	5.000	43.702	1.400

SRCPARAM	VOL46	0.1525952457	5.000	43.702	1.400
SRCPARAM	VOL47	0.1525952457	5.000	43.702	1.400
SRCPARAM	VOL48	0.1525952457	5.000	43.702	1.400
URBANSRC	ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL2	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL3	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL4	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL4	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

EMISFACT VOL48 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

RE STARTING
INCLUDED "14064 Cons CO Mit.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
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
RECTABLE 8 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "14064 CONS CO MIT.AD\01H1GALL.PLT" 31
PLOTFILE 8 ALL 1ST "14064 CONS CO MIT.AD\08H1GALL.PLT" 32
SUMMFILE "14064 Cons CO Mit.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 881 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 881 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 48 Source(s),
for Total of 1 Urban Area(s):
- Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: CO

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

**This Run Includes: 48 Source(s); 1 Source Group(s); and 233 Receptor(s)

- with: 0 POINT(s), including
- 0 POINTCAP(s) and 0 POINTHOR(s)
- and: 48 VOLUME source(s)
- and: 0 AREA type source(s)
- and: 0 LINE source(s)
- and: 0 RLINE/RLINEXT source(s)
- and: 0 OPENPIT source(s)
- and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
- and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

- Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
- Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
- Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 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: 14064 Cons CO

Mit.err

**File for Summary of Results: 14064 Cons CO

Mit.sum

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER URBAN	EMISSION RATE (GRAMS/SEC)	EMISSION RATE	X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ
SOURCE ID (METERS)	SCALAR VARY CATS.	BY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
VOL1	0	0.15260E+00	471175.5	3752366.4	510.2	5.00	43.70	1.40	
YES HRDOW									
VOL2	0	0.15260E+00	471362.2	3752367.6	512.4	5.00	43.70	1.40	
YES HRDOW									
VOL3	0	0.15260E+00	471550.1	3752368.4	518.9	5.00	43.70	1.40	
YES HRDOW									
VOL4	0	0.15260E+00	471609.6	3752371.6	516.0	5.00	43.70	1.40	
YES HRDOW									
VOL5	0	0.15260E+00	471796.7	3752342.2	515.1	5.00	43.70	1.40	
YES HRDOW									
VOL6	0	0.15260E+00	471984.7	3752344.6	513.6	5.00	43.70	1.40	
YES HRDOW									
VOL7	0	0.15260E+00	472003.7	3752347.0	512.1	5.00	43.70	1.40	
YES HRDOW									
VOL8	0	0.15260E+00	472002.9	3752159.1	521.6	5.00	43.70	1.40	
YES HRDOW									
VOL9	0	0.15260E+00	471814.2	3752156.7	520.7	5.00	43.70	1.40	
YES HRDOW									
VOL10	0	0.15260E+00	471628.6	3752181.3	526.8	5.00	43.70	1.40	
YES HRDOW									
VOL11	0	0.15260E+00	471440.7	3752181.3	527.4	5.00	43.70	1.40	
YES HRDOW									
VOL12	0	0.15260E+00	471253.6	3752180.5	518.9	5.00	43.70	1.40	
YES HRDOW									
VOL13	0	0.15260E+00	471092.6	3752217.7	509.6	5.00	43.70	1.40	
YES HRDOW									
VOL14	0	0.15260E+00	471074.4	3752029.0	516.1	5.00	43.70	1.40	
YES HRDOW									
VOL15	0	0.15260E+00	471263.9	3751992.5	521.1	5.00	43.70	1.40	
YES HRDOW									
VOL16	0	0.15260E+00	471452.6	3751994.1	530.0	5.00	43.70	1.40	
YES HRDOW									
VOL17	0	0.15260E+00	471640.5	3751992.5	534.9	5.00	43.70	1.40	
YES HRDOW									
VOL18	0	0.15260E+00	471827.7	3751968.0	533.0	5.00	43.70	1.40	

YES	HRDOW								
VOL19		0	0.15260E+00	472002.9	3751970.3	527.9	5.00	43.70	1.40
YES	HRDOW								
VOL20		0	0.15260E+00	471845.1	3751780.0	538.8	5.00	43.70	1.40
YES	HRDOW								
VOL21		0	0.15260E+00	471657.2	3751803.8	536.0	5.00	43.70	1.40
YES	HRDOW								
VOL22		0	0.15260E+00	471468.5	3751806.2	528.3	5.00	43.70	1.40
YES	HRDOW								
VOL23		0	0.15260E+00	471280.5	3751807.0	525.0	5.00	43.70	1.40
YES	HRDOW								
VOL24		0	0.15260E+00	471093.4	3751841.9	515.6	5.00	43.70	1.40
YES	HRDOW								
VOL25		0	0.15260E+00	470978.4	3751841.9	518.1	5.00	43.70	1.40
YES	HRDOW								
VOL26		0	0.15260E+00	471014.1	3751654.8	520.4	5.00	43.70	1.40
YES	HRDOW								
VOL27		0	0.15260E+00	471201.2	3751654.8	525.1	5.00	43.70	1.40
YES	HRDOW								
VOL28		0	0.15260E+00	471389.2	3751619.1	534.9	5.00	43.70	1.40
YES	HRDOW								
VOL29		0	0.15260E+00	471577.9	3751616.7	529.0	5.00	43.70	1.40
YES	HRDOW								
VOL30		0	0.15260E+00	471724.6	3751620.7	533.8	5.00	43.70	1.40
YES	HRDOW								
VOL31		0	0.15260E+00	471941.0	3751865.7	534.6	5.00	43.70	1.40
YES	HRDOW								
VOL32		0	0.15260E+00	471795.2	3751684.9	537.3	5.00	43.70	1.40
YES	HRDOW								
VOL33		0	0.15260E+00	471577.9	3751434.3	531.1	5.00	43.70	1.40
YES	HRDOW								
VOL34		0	0.15260E+00	471390.0	3751431.9	537.3	5.00	43.70	1.40
YES	HRDOW								
VOL35		0	0.15260E+00	471202.0	3751467.6	526.8	5.00	43.70	1.40
YES	HRDOW								
VOL36		0	0.15260E+00	471065.7	3751504.9	522.0	5.00	43.70	1.40
YES	HRDOW								
VOL37		0	0.15260E+00	471656.4	3751514.4	529.5	5.00	43.70	1.40
YES	HRDOW								
VOL38		0	0.15260E+00	471522.4	3751324.1	529.0	5.00	43.70	1.40
YES	HRDOW								
VOL39		0	0.15260E+00	471332.9	3751322.5	529.5	5.00	43.70	1.40
YES	HRDOW								
VOL40		0	0.15260E+00	471282.9	3751321.7	528.2	5.00	43.70	1.40
YES	HRDOW								

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	CATS.	BY						

VOL41		0	0.15260E+00	471233.8	3751388.3	528.5	5.00	43.70	1.40
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VOL9 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 ,
VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 ,
VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 ,
VOL31 , VOL32 ,
VOL33 , VOL34 , VOL35 , VOL36 , VOL37 , VOL38 ,
VOL39 , VOL40 ,
VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
VOL47 , VOL48 ,

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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Campus\14064 Ops\140 *** 10/26/23
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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

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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
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*** 10:42:13

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :

HR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
*** 10:42:13

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :

HR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
*** 10:42:13

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

10:42:13

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for WEEKDAY.

DAY OF WEEK = SATURDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for SATURDAY.

DAY OF WEEK = SUNDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for SUNDAY.

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for WEEKDAY.

DAY OF WEEK = SATURDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for SATURDAY.

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.1000E+01	8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.1000E+01	8	.1000E+01	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :

Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour
SCALAR Hour SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :

Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour
SCALAR Hour SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL29, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekday (Monday-Friday), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturday, with values ranging from 0.0000E+00 to 0.0000E+00.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sunday, with values ranging from 0.0000E+00 to 0.0000E+00.

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL30, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekday (Monday-Friday), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturday, with values ranging from 0.0000E+00 to 0.0000E+00.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sunday, with values ranging from 0.0000E+00 to 0.0000E+00.

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: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(472283.7, 3752641.0, 492.6, 492.6, 2.0); (472482.2, 3752398.0,
499.3, 499.3, 2.0);
(472478.0, 3752183.1, 505.1, 505.1, 2.0); (472148.1, 3752531.5,
495.2, 502.0, 2.0);
(472052.1, 3752531.2, 499.4, 512.0, 2.0); (471975.5, 3752531.2,
500.5, 514.0, 2.0);
(471896.1, 3752530.9, 503.4, 513.0, 2.0); (471840.8, 3752529.9,
503.4, 513.0, 2.0);
(471816.6, 3752527.1, 500.6, 513.0, 2.0); (471736.8, 3752557.9,
501.5, 501.5, 2.0);
(471696.6, 3752558.9, 500.0, 500.0, 2.0); (471627.3, 3752556.2,
501.9, 512.0, 2.0);
(471584.6, 3752556.8, 504.5, 507.0, 2.0); (471560.0, 3752556.2,
504.6, 507.0, 2.0);
(471534.3, 3752554.9, 503.2, 509.0, 2.0); (471514.9, 3752554.9,
502.2, 519.0, 2.0);
(471486.8, 3752555.7, 503.1, 503.1, 2.0); (471465.7, 3752555.4,
503.1, 503.1, 2.0);
(471442.2, 3752555.0, 501.3, 505.0, 2.0); (471419.7, 3752552.5,
500.3, 505.0, 2.0);
(471394.2, 3752552.9, 501.4, 501.4, 2.0); (471363.4, 3752552.5,
503.5, 503.5, 2.0);
(471332.7, 3752553.3, 505.8, 505.8, 2.0); (471307.6, 3752552.9,
506.9, 506.9, 2.0);
(471284.0, 3752552.7, 506.2, 506.2, 2.0); (471262.0, 3752552.7,
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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/26/23

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*** AERMET - VERSION 16216 ***
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*** 10:42:13

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
*** 10:42:13
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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
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1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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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,

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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
*** 10:42:13
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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)

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 Campus\14064 Ops\140 *** 10/26/23
 *** AERMET - VERSION 16216 ***
 *** 10:42:13

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
472283.74	3752640.98	33.04370	(13112916)	472482.23	
3752398.04	18.94089	(14111116)			
472477.97	3752183.12	22.01806	(12121716)	472148.10	
3752531.53	61.30249	(13112916)			
472052.12	3752531.22	73.31747	(13112916)	471975.52	
3752531.22	55.62336	(13112916)			
471896.06	3752530.90	55.36674	(13112916)	471840.76	
3752529.94	54.76216	(13112916)			
471816.60	3752527.08	52.64842	(13112916)	471736.82	
3752557.91	58.58362	(13112916)			
471696.59	3752558.87	63.82305	(13112916)	471627.29	
3752556.22	62.31837	(13112916)			
471584.60	3752556.76	54.12415	(13112916)	471560.01	
3752556.22	49.75192	(13112916)			
471534.35	3752554.87	47.18219	(13112916)	471514.89	
3752554.87	46.77682	(13112916)			
471486.79	3752555.68	48.41713	(13112916)	471465.72	
3752555.41	49.77742	(13112916)			
471442.21	3752554.98	49.84233	(13112916)	471419.71	
3752552.46	49.27525	(13112916)			
471394.22	3752552.91	47.52711	(13112916)	471363.44	
3752552.46	45.62799	(13112916)			
471332.68	3752553.31	45.20061	(13112916)	471307.62	
3752552.94	46.76215	(13112916)			
471284.05	3752552.70	49.36082	(13112916)	471261.98	
3752552.70	51.73158	(13112916)			
471241.90	3752552.70	53.18031	(13112916)	471223.15	
3752552.86	53.69143	(13112916)			
471205.90	3752552.86	53.41420	(13112916)	471173.21	
3752552.37	50.72653	(13112916)			
471135.70	3752552.53	42.31541	(13112916)	471093.22	
3752551.54	41.05763	(14021809)			
471059.37	3752551.70	42.03274	(14021809)	471020.54	

3752551.20	37.85194	(14021809)		
470981.05	3752563.65	29.08804	(14021809)	470980.39
3752552.20	29.79693	(14021809)		
470980.06	3752535.61	30.89791	(14021809)	470979.89
3752517.19	32.07964	(14021809)		
470980.06	3752499.76	34.28937	(13021809)	470980.22
3752479.85	37.79819	(16120116)		
470980.39	3752459.44	41.16242	(13112716)	470980.22
3752433.22	46.98096	(13112716)		
470980.06	3752404.02	49.33622	(15021709)	470927.12
3752402.69	33.23021	(13112716)		
470907.87	3752402.69	30.03482	(13112716)	470887.30
3752402.69	27.23145	(13112716)		
470869.71	3752402.03	25.32674	(13112716)	470849.63
3752401.86	23.48761	(13112716)		
470829.39	3752402.19	21.90731	(13112716)	470811.63
3752402.19	20.69546	(13112716)		
470791.55	3752402.53	19.48142	(13112716)	470773.63
3752401.86	18.51655	(13112716)		
470749.24	3752402.19	17.34835	(13112716)	470727.72
3752391.74	16.47403	(13112716)		
470733.04	3752338.97	16.59785	(13112716)	470733.70
3752320.55	16.54136	(13112716)		
470734.20	3752291.01	16.43206	(13112716)	470733.20
3752265.78	16.32024	(15021709)		
470732.87	3752218.81	16.53731	(15021709)	470732.54
3752182.14	16.63574	(15021709)		
470732.37	3752145.29	16.76119	(15021709)	470692.38
3752144.80	15.44466	(15021709)		
470670.14	3752144.46	14.82091	(15021709)	470651.72
3752144.30	14.34992	(15021709)		
470633.46	3752144.13	13.92226	(15021709)	470615.54
3752143.97	13.53392	(15021709)		
470595.95	3752143.30	13.14324	(15021709)	470577.03
3752143.47	12.78765	(15021709)		
470553.63	3752143.47	12.38184	(15021709)	470528.57
3752142.64	11.98910	(15021709)		
470507.99	3752142.80	11.68641	(15021709)	470485.59
3752142.47	11.38137	(15021709)		
470471.60	3752131.63	11.26608	(15021709)	470471.60
3752109.21	11.40719	(15021709)		
470471.32	3752085.22	11.56603	(15021709)	470471.46
3752037.68	11.93885	(15021709)		
470471.74	3752013.00	12.16361	(15021709)	470470.89
3751987.18	12.39808	(15021709)		
470470.89	3751965.74	12.60762	(15021709)	470470.75
3751944.44	12.81008	(15021709)		

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF CO		IN		
		MICROGRAMS/M**3			**	
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)		X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)				
470470.61	3751924.27	12.99066	(15021709)		470470.47	
3751905.93	13.13829	(15021709)				
470470.89	3751884.06	13.29678	(15021709)		470470.61	
3751864.03	13.39708	(15021709)				
470470.33	3751844.00	13.46159	(15021709)		470470.19	
3751824.53	13.49038	(15021709)				
470470.33	3751805.77	13.49057	(15021709)		470470.33	
3751788.00	13.46089	(15021709)				
470470.33	3751761.19	13.37910	(15021709)		470471.03	
3751741.87	13.30420	(15021709)				
470470.05	3751722.82	13.18088	(15021709)		470470.19	
3751703.36	13.06057	(15021709)				
470470.19	3751683.75	12.92536	(15021709)		470470.33	
3751664.28	12.85952	(14123016)				
470470.33	3751642.41	12.94863	(14123016)		470470.47	
3751621.82	13.00206	(14123016)				
470470.19	3751599.81	13.02095	(14123016)		470470.61	
3751578.79	13.02129	(14123016)				
470469.62	3751555.94	12.93403	(14123016)		470470.05	
3751512.49	12.72655	(14123016)				
470468.64	3751414.59	11.96697	(14123016)		470469.76	
3751385.25	11.94607	(14123016)				
470468.65	3751358.95	11.71203	(14123016)		470462.93	
3751325.56	11.32210	(12121315)				
470461.98	3751310.62	11.28658	(12121315)		470462.61	
3751296.63	11.28027	(12121315)				
470462.61	3751283.28	11.26227	(12121315)		470462.61	
3751269.92	11.24209	(12121315)				
470462.93	3751254.35	11.21837	(12121315)		470461.98	
3751240.67	11.16889	(12121315)				
470463.25	3751227.64	11.14721	(12121315)		470756.39	
3751290.59	18.40461	(12121315)				
470797.72	3751268.33	19.41732	(12121315)		470891.19	
3751226.38	22.49068	(12012316)				
470940.78	3751191.82	23.58784	(14020616)		471000.61	
3750923.63	21.27931	(12012316)				
471029.26	3750923.63	21.54824	(12012316)		471056.29	
3750923.90	21.50530	(12012316)				
471077.91	3750924.44	21.27522	(12012316)		471097.64	
3750924.44	20.87305	(12012316)				
471118.18	3750924.98	20.92738	(16112816)		471138.99	
3750927.42	22.83308	(16112816)				
471160.07	3750928.77	24.96930	(16112816)		471181.15	
3750931.47	28.41577	(12121316)				
471201.69	3750930.93	32.86817	(12121316)		471222.50	
3750931.47	32.29028	(12121316)				
471244.13	3750931.20	34.48582	(16112816)		471264.40	
3750931.74	36.39699	(16112816)				
471284.40	3750931.74	37.69168	(16112816)		471305.75	
3750931.74	38.34589	(16112816)				
471324.67	3750930.93	38.12954	(16112816)		471343.05	
3750930.12	37.33757	(16112816)				
471363.86	3750929.04	35.91704	(16112816)		471381.96	
3750928.77	34.47320	(16112816)				
471400.88	3750928.23	32.89967	(16112816)		471421.15	
3750927.96	31.40314	(16112816)				
471440.59	3750928.11	30.36220	(16112816)		471461.83	

3750927.45	29.70067	(16112816)		
471479.76	3750927.95	29.55541	(16112816)	471499.68
3750927.62	29.65048	(16112816)		
471519.26	3750928.78	29.95535	(16112816)	471537.02
3750929.61	30.15233	(16112816)		
471556.77	3750930.94	30.23386	(16112816)	471580.68
3750934.09	30.04953	(16112816)		
471624.00	3750940.23	30.11290	(15122816)	471795.90
3750950.11	23.33216	(15122816)		
471796.29	3750967.88	23.56592	(15122816)	471796.69
3750987.22	23.67946	(15122816)		
471797.47	3751006.75	23.51844	(15122816)	471796.69
3751025.30	23.80787	(15122816)		
471795.90	3751046.40	23.58151	(15122816)	471796.69
3751072.96	23.53870	(16112816)		
471797.47	3751143.85	27.33701	(12121716)	471833.01
3751143.85	27.55220	(12121716)		
471867.38	3751144.05	27.45794	(12121716)	471891.02
3751144.44	27.20868	(12121716)		
471916.60	3751144.24	26.66792	(12121716)	471939.45
3751144.24	26.11954	(12121716)		
471963.08	3751144.44	25.29707	(12121716)	471984.17
3751144.05	24.76860	(12121716)		

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
471999.02	3751163.38	26.08806	(12121716)	472000.19	
3751199.12	28.75316	(12121716)			
471999.80	3751230.56	30.19698	(12121716)	472000.38	
3751251.46	30.81354	(12121716)			
472000.19	3751281.15	31.66902	(12121716)	472001.95	
3751347.94	34.59441	(12121716)			
472036.90	3751348.52	32.82861	(12121716)	472063.07	
3751349.31	31.62665	(12121716)			
472084.56	3751348.33	30.68198	(12121716)	472104.87	
3751348.72	29.91370	(12121716)			
472127.33	3751348.52	29.06103	(12121716)	472150.76	
3751349.70	28.26403	(12121716)			
472171.47	3751349.50	27.50386	(12121716)	472194.12	
3751349.11	26.67250	(12121716)			
472222.63	3751348.72	25.77014	(12121716)	472247.83	

3751349.50	25.01488	(12121716)	
472269.70	3751349.11	24.36172	(12121716) 472290.40
3751350.28	23.83093	(12121716)	
472313.64	3751350.48	23.22851	(12121716) 472333.76
3751351.26	22.74168	(12121716)	
472354.85	3751351.26	22.20362	(12121716) 472377.70
3751351.06	21.62228	(12121716)	
472401.72	3751351.06	21.04308	(12121716) 472425.55
3751351.84	20.52327	(12121716)	
472445.67	3751350.67	20.07818	(12121716) 472463.24
3751350.87	19.70700	(12121716)	
472484.14	3751350.87	19.27007	(12121716) 472503.87
3751351.26	18.89892	(12121716)	
472523.79	3751351.26	18.55162	(12121716) 472543.32
3751351.26	18.22734	(12121716)	
472563.24	3751352.24	17.91315	(12121716) 472582.57
3751352.04	17.60031	(12121716)	
472601.32	3751352.04	17.30994	(12121716) 472606.79
3751367.27	17.44404	(12121716)	
472607.57	3751396.37	17.89362	(12121716) 472608.55
3751432.11	18.53014	(12121716)	
472608.94	3751462.58	19.16899	(12121716) 472609.52
3751497.15	20.16304	(12121716)	
472610.70	3751553.78	22.76471	(12121716) 472665.97
3751553.98	22.38259	(12121716)	
472690.38	3751553.59	22.22460	(12121716) 472713.50
3751554.27	22.16941	(12121716)	
472734.64	3751554.04	22.04031	(12121716) 472759.46
3751554.04	21.90270	(12121716)	
472781.75	3751554.50	21.82078	(12121716) 472849.76
3751556.11	21.70775	(12121716)	
472871.82	3751556.11	21.59276	(12121716) 472895.25
3751555.65	21.42355	(12121716)	
472922.60	3751555.88	21.27236	(12121716) 473092.41
3751802.31	38.20996	(12121716)	
473204.80	3751856.81	26.15546	(12121716) 472991.21
3752083.31	27.83956	(13112916)	
473295.12	3752052.49	13.78133	(141111116) 473356.76
3752050.34	11.76651	(141111116)	
473495.10	3751996.58	11.67678	(13112016) 473486.50
3751917.74	14.16725	(13112016)	
473392.60	3752058.22	10.91684	(141111116) 473464.28
3752082.59	9.63725	(141111116)	
473550.29	3752087.61	8.45941	(13121916) 473584.69
3752089.76	8.19249	(13121916)	
472765.59	3752474.09	11.75051	(141111116) 470432.16
3750483.93	19.32773	(12121316)	
469244.06	3754182.82	4.05250	(14020709) 469596.75
3750785.65	6.11882	(14101709)	
470466.55	3750530.27	21.38075	(12121316) 469319.29
3749244.53	4.89188	(14121709)	
469229.64	3749502.19	4.67552	(15122209) 468465.38
3749582.33	4.78488	(12011709)	
471438.37	3750129.76	14.24638	(15122816) 471657.54
3749918.78	10.55613	(15122816)	
471732.91	3749916.52	9.69444	(15122816) 471710.30
3750132.80	11.75367	(15122816)	
471273.89	3750119.77	12.14811	
(15122816)			

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

*** 10:42:13

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN
MICROGRAMS/M**3 **

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC (YYMMDDHH)	IN (YYMMDDHH)	X-COORD (M)	Y-COORD
472283.74	3752640.98	7.42500	(13100916)	472482.23	
3752398.04	7.28953	(13112116)			
472477.97	3752183.12	9.57621	(12121716)	472148.10	
3752531.53	12.39952	(13100916)			
472052.12	3752531.22	14.45102	(13100916)	471975.52	
3752531.22	13.88937	(13100916)			
471896.06	3752530.90	14.02851	(13100916)	471840.76	
3752529.94	13.90116	(13100916)			
471816.60	3752527.08	13.97851	(13121916)	471736.82	
3752557.91	13.78644	(13100916)			
471696.59	3752558.87	13.95924	(13100916)	471627.29	
3752556.22	14.66372	(13121916)			
471584.60	3752556.76	15.13424	(13121916)	471560.01	
3752556.22	15.13128	(13121916)			
471534.35	3752554.87	15.15848	(16010616)	471514.89	
3752554.87	15.13280	(16010616)			
471486.79	3752555.68	15.11826	(16010616)	471465.72	
3752555.41	14.96607	(16010616)			
471442.21	3752554.98	14.56493	(16010616)	471419.71	
3752552.46	14.43511	(16010616)			
471394.22	3752552.91	14.42216	(16010616)	471363.44	
3752552.46	14.67971	(16010616)			
471332.68	3752553.31	14.84005	(16010616)	471307.62	
3752552.94	14.88047	(16010616)			
471284.05	3752552.70	14.76226	(16010616)	471261.98	
3752552.70	14.63858	(16010616)			
471241.90	3752552.70	14.59014	(16010616)	471223.15	
3752552.86	14.63295	(16010616)			
471205.90	3752552.86	14.75756	(16010616)	471173.21	
3752552.37	15.22752	(16010616)			
471135.70	3752552.53	15.97205	(16010616)	471093.22	
3752551.54	16.98707	(16010616)			
471059.37	3752551.70	17.04672	(16010616)	471020.54	
3752551.20	16.10950	(16010616)			
470981.05	3752563.65	13.88567	(16010516)	470980.39	
3752552.20	14.71744	(16010516)			
470980.06	3752535.61	16.00334	(16010516)	470979.89	
3752517.19	17.87295	(14121216)			
470980.06	3752499.76	19.98307	(14121216)	470980.22	
3752479.85	22.28237	(14121216)			
470980.39	3752459.44	24.17616	(14121216)	470980.22	
3752433.22	24.91965	(14121216)			
470980.06	3752404.02	25.98112	(12121316)	470927.12	
3752402.69	15.64933	(14121216)			
470907.87	3752402.69	14.03933	(14121216)	470887.30	

3752402.69	12.67178	(14121216)		
470869.71	3752402.03	11.78485	(14121216)	470849.63
3752401.86	10.93061	(14121216)		
470829.39	3752402.19	10.19695	(14121216)	470811.63
3752402.19	9.63474	(14121216)		
470791.55	3752402.53	9.07122	(14121216)	470773.63
3752401.86	8.62359	(14121216)		
470749.24	3752402.19	8.08416	(14121216)	470727.72
3752391.74	7.69872	(14121216)		
470733.04	3752338.97	7.97127	(14121216)	470733.70
3752320.55	8.04030	(14121216)		
470734.20	3752291.01	8.14254	(14121216)	470733.20
3752265.78	8.19935	(14121216)		
470732.87	3752218.81	8.45028	(12121316)	470732.54
3752182.14	8.76959	(12121316)		
470732.37	3752145.29	9.10980	(12121316)	470692.38
3752144.80	8.16929	(12121316)		
470670.14	3752144.46	7.76651	(14121216)	470651.72
3752144.30	7.46510	(14121216)		
470633.46	3752144.13	7.16795	(14121216)	470615.54
3752143.97	6.88476	(14121216)		
470595.95	3752143.30	6.58640	(14121216)	470577.03
3752143.47	6.31143	(14121216)		
470553.63	3752143.47	5.98631	(14121216)	470528.57
3752142.64	5.67422	(12121316)		
470507.99	3752142.80	5.48495	(15112716)	470485.59
3752142.47	5.29432	(15112716)		
470471.60	3752131.63	5.22614	(15112716)	470471.60
3752109.21	5.32385	(15112716)		
470471.32	3752085.22	5.42938	(15112716)	470471.46
3752037.68	5.65968	(12121316)		
470471.74	3752013.00	5.77755	(12121316)	470470.89
3751987.18	5.88492	(15112716)		
470470.89	3751965.74	5.97669	(15112716)	470470.75
3751944.44	6.05792	(15112716)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
470470.61	3751924.27	6.12349	(15112716)	470470.47	
3751905.93	6.17233	(15112716)			
470470.89	3751884.06	6.22750	(15112716)	470470.61	

3751864.03	6.25633	(15112716)		
470470.33	3751844.00	6.28742	(12121316)	470470.19
3751824.53	6.31819	(12121316)		
470470.33	3751805.77	6.34758	(12121316)	470470.33
3751788.00	6.36914	(12121316)		
470470.33	3751761.19	6.40915	(12121316)	470471.03
3751741.87	6.43699	(12121316)		
470470.05	3751722.82	6.42951	(12121316)	470470.19
3751703.36	6.42333	(12121316)		
470470.19	3751683.75	6.40120	(12121316)	470470.33
3751664.28	6.37156	(12121316)		
470470.33	3751642.41	6.32245	(12121316)	470470.47
3751621.82	6.26572	(12121316)		
470470.19	3751599.81	6.18791	(12121316)	470470.61
3751578.79	6.11507	(12121316)		
470469.62	3751555.94	6.06588	(16122916)	470470.05
3751512.49	6.04175	(16122916)		
470468.64	3751414.59	5.95229	(14123016)	470469.76
3751385.25	5.98751	(14123016)		
470468.65	3751358.95	5.95612	(14123016)	470462.93
3751325.56	5.84748	(14123016)		
470461.98	3751310.62	5.81472	(14123016)	470462.61
3751296.63	5.79897	(14123016)		
470462.61	3751283.28	5.77544	(14123016)	470462.61
3751269.92	5.75014	(14123016)		
470462.93	3751254.35	5.74227	(16122016)	470461.98
3751240.67	5.72286	(16122016)		
470463.25	3751227.64	5.71777	(16122016)	470756.39
3751290.59	10.38097	(14123016)		
470797.72	3751268.33	11.01434	(14123016)	470891.19
3751226.38	12.47752	(14123016)		
470940.78	3751191.82	13.14542	(14123016)	471000.61
3750923.63	8.67722	(13112216)		
471029.26	3750923.63	9.11985	(13112216)	471056.29
3750923.90	9.50028	(13112216)		
471077.91	3750924.44	9.74827	(13112216)	471097.64
3750924.44	9.89521	(13112216)		
471118.18	3750924.98	10.02236	(13112216)	471138.99
3750927.42	10.12542	(13112216)		
471160.07	3750928.77	10.08116	(13112216)	471181.15
3750931.47	10.07676	(13112216)		
471201.69	3750930.93	10.01900	(15121516)	471222.50
3750931.47	10.01148	(15121516)		
471244.13	3750931.20	9.86726	(15121516)	471264.40
3750931.74	9.67012	(15121516)		
471284.40	3750931.74	9.42987	(12012416)	471305.75
3750931.74	9.26854	(12012416)		
471324.67	3750930.93	9.06274	(14110316)	471343.05
3750930.12	9.00685	(14110316)		
471363.86	3750929.04	8.88895	(14110316)	471381.96
3750928.77	8.76970	(14110316)		
471400.88	3750928.23	8.62015	(14110316)	471421.15
3750927.96	8.45046	(14110316)		
471440.59	3750928.11	8.29220	(14110316)	471461.83
3750927.45	8.09838	(14110316)		
471479.76	3750927.95	7.94043	(14110316)	471499.68
3750927.62	7.73555	(14110316)		
471519.26	3750928.78	7.54403	(14110316)	471537.02
3750929.61	7.60638	(15122816)		
471556.77	3750930.94	7.73201	(15122816)	471580.68
3750934.09	7.95199	(15122816)		
471624.00	3750940.23	8.03304	(15122816)	471795.90
3750950.11	7.02981	(15122816)		
471796.29	3750967.88	7.28324	(15122816)	471796.69
3750987.22	7.57220	(15122816)		
471797.47	3751006.75	7.86192	(15122816)	471796.69

3751025.30	8.18081	(15122816)		
471795.90	3751046.40	8.49482	(15122816)	471796.69
3751072.96	8.87325	(15122816)		
471797.47	3751143.85	10.16613	(15122816)	471833.01
3751143.85	9.38748	(15122816)		
471867.38	3751144.05	8.59489	(15122816)	471891.02
3751144.44	8.32357	(15122816)		
471916.60	3751144.24	8.07937	(15122816)	471939.45
3751144.24	7.73273	(15122816)		
471963.08	3751144.44	7.46631	(15122816)	471984.17
3751144.05	7.16123	(15122816)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

*** 10:42:13

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
471999.02	3751163.38	7.25720	(15122816)	472000.19	
3751199.12	7.65440	(15122816)			
471999.80	3751230.56	8.01453	(15122816)	472000.38	
3751251.46	8.37126	(13112016)			
472000.19	3751281.15	8.98949	(13112016)	472001.95	
3751347.94	10.42228	(13112016)			
472036.90	3751348.52	9.72168	(13112016)	472063.07	
3751349.31	9.25662	(13112016)			
472084.56	3751348.33	8.89887	(13112016)	472104.87	
3751348.72	8.62546	(13112016)			
472127.33	3751348.52	8.34127	(13112016)	472150.76	
3751349.70	8.08126	(13112016)			
472171.47	3751349.50	7.84086	(13112016)	472194.12	
3751349.11	7.61138	(13112016)			
472222.63	3751348.72	7.34267	(13112016)	472247.83	
3751349.50	7.13298	(13112016)			
472269.70	3751349.11	6.95203	(13112016)	472290.40	
3751350.28	6.79432	(13112016)			
472313.64	3751350.48	6.61449	(13112016)	472333.76	
3751351.26	6.47821	(13112016)			
472354.85	3751351.26	6.34837	(13112016)	472377.70	
3751351.06	6.21551	(13112016)			
472401.72	3751351.06	6.08467	(13112016)	472425.55	
3751351.84	5.96534	(13112016)			
472445.67	3751350.67	5.84791	(13112016)	472463.24	
3751350.87	5.76637	(13112016)			
472484.14	3751350.87	5.66627	(13112016)	472503.87	

3751351.26	5.57405	(13112016)		
472523.79	3751351.26	5.47722	(13112016)	472543.32
3751351.26	5.38360	(13112016)		
472563.24	3751352.24	5.29996	(13112016)	472582.57
3751352.04	5.21192	(13112016)		
472601.32	3751352.04	5.13022	(13112016)	472606.79
3751367.27	5.22570	(13112016)		
472607.57	3751396.37	5.45388	(13112016)	472608.55
3751432.11	5.75557	(13112016)		
472608.94	3751462.58	6.05615	(13112016)	472609.52
3751497.15	6.43740	(13112016)		
472610.70	3751553.78	7.24342	(13112016)	472665.97
3751553.98	6.95708	(13112016)		
472690.38	3751553.59	6.82525	(13112016)	472713.50
3751554.27	6.70192	(13112016)		
472734.64	3751554.04	6.58623	(13112016)	472759.46
3751554.04	6.45457	(13112016)		
472781.75	3751554.50	6.33732	(13112016)	472849.76
3751556.11	6.08109	(12113016)		
472871.82	3751556.11	6.00714	(12113016)	472895.25
3751555.65	5.92389	(12113016)		
472922.60	3751555.88	5.83838	(12113016)	473092.41
3751802.31	10.65195	(12042316)		
473204.80	3751856.81	9.02378	(12042316)	472991.21
3752083.31	9.44329	(141111116)		
473295.12	3752052.49	5.93102	(15042416)	473356.76
3752050.34	5.39518	(15042416)		
473495.10	3751996.58	4.61435	(12050116)	473486.50
3751917.74	4.98344	(12050116)		
473392.60	3752058.22	5.05498	(15042416)	473464.28
3752082.59	4.44222	(15042416)		
473550.29	3752087.61	3.98906	(15042416)	473584.69
3752089.76	3.83166	(15042416)		
472765.59	3752474.09	4.88566	(13112116)	470432.16
3750483.93	3.99329	(12121316)		
469244.06	3754182.82	0.95144	(16010516)	469596.75
3750785.65	3.46713	(13012516)		
470466.55	3750530.27	4.32682	(12121316)	469319.29
3749244.53	1.35435	(13012516)		
469229.64	3749502.19	1.85576	(13012516)	468465.38
3749582.33	2.24732	(13012516)		
471438.37	3750129.76	2.45247	(12012416)	471657.54
3749918.78	1.85286	(15122816)		
471732.91	3749916.52	1.78985	(15122816)	471710.30
3750132.80	2.23599	(15122816)		
471273.89	3750119.77	2.75328		
(12012416)				

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF CO IN
 MICROGRAMS/M**3

**

DATE

NETWORK

GROUP ID AVERAGE CONC (YYMMDDHH)
 ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

RECEPTOR (XR, YR,

ALL HIGH 1ST HIGH VALUE IS 73.31747 ON 13112916: AT (472052.12, 3752531.22,
499.36, 512.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

FF *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

*** 10:42:13

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF CO IN **
MICROGRAMS/M**3

GROUP ID AVERAGE CONC (YYMMDDHH) NETWORK
ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID RECEPTOR (XR, YR,

ALL HIGH 1ST HIGH VALUE IS 25.98112 ON 12121316: AT (470980.06, 3752404.02,
506.00, 506.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

FF *** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

*** 10:42:13

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 881 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 881 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 10/26/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\LSTs\14064 Cons NO2 Mit\14064
Cons NO2 Mit.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

CO STARTING

```

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME 1
URBANOPT 2189641 Riverside_County
POLLUTID NOX
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14064 Cons NO2 Mit.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

LOCATION	VOL	VOLUME	X Coord.	Y Coord.
LOCATION VOL1	VOLUME	471175.473	3752366.407	510.210
LOCATION VOL2	VOLUME	471362.212	3752367.600	512.450
LOCATION VOL3	VOLUME	471550.136	3752368.393	518.920
LOCATION VOL4	VOLUME	471609.606	3752371.565	516.010
LOCATION VOL5	VOLUME	471796.736	3752342.227	515.100
LOCATION VOL6	VOLUME	471984.660	3752344.605	513.590
LOCATION VOL7	VOLUME	472003.690	3752346.984	512.090
LOCATION VOL8	VOLUME	472002.898	3752159.060	521.590
LOCATION VOL9	VOLUME	471814.181	3752156.682	520.730
LOCATION VOL10	VOLUME	471628.636	3752181.262	526.790
LOCATION VOL11	VOLUME	471440.712	3752181.262	527.380
LOCATION VOL12	VOLUME	471253.581	3752180.469	518.870
LOCATION VOL13	VOLUME	471092.617	3752217.737	509.620
LOCATION VOL14	VOLUME	471074.380	3752029.020	516.070
LOCATION VOL15	VOLUME	471263.889	3751992.546	521.100
LOCATION VOL16	VOLUME	471452.606	3751994.132	529.960
LOCATION VOL17	VOLUME	471640.530	3751992.546	534.940
LOCATION VOL18	VOLUME	471827.661	3751967.965	533.000
LOCATION VOL19	VOLUME	472002.898	3751970.344	527.910
LOCATION VOL20	VOLUME	471845.105	3751780.041	538.850
LOCATION VOL21	VOLUME	471657.181	3751803.829	536.000
LOCATION VOL22	VOLUME	471468.465	3751806.208	528.300
LOCATION VOL23	VOLUME	471280.541	3751807.001	524.990
LOCATION VOL24	VOLUME	471093.410	3751841.890	515.600
LOCATION VOL25	VOLUME	470978.435	3751841.890	518.120
LOCATION VOL26	VOLUME	471014.117	3751654.759	520.370
LOCATION VOL27	VOLUME	471201.248	3751654.759	525.140
LOCATION VOL28	VOLUME	471389.172	3751619.077	534.860

LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL42	VOLUME	472135.642	3751845.064	525.790
LOCATION VOL43	VOLUME	472323.361	3751843.460	510.520
LOCATION VOL44	VOLUME	472512.544	3751852.284	501.450
LOCATION VOL45	VOLUME	472698.022	3751875.469	491.390
LOCATION VOL46	VOLUME	472880.772	3751928.657	487.900
LOCATION VOL47	VOLUME	472608.011	3752044.580	498.520
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810

** Source Parameters **

SRCPARAM VOL1	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL2	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL3	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL4	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL5	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL6	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL7	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL8	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL9	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL10	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL11	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL12	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL13	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL14	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL15	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL16	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL17	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL18	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL19	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL20	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL21	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL22	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL23	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL24	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL25	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL26	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL27	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL28	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL29	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL30	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL31	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL32	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL33	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL34	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL35	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL36	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL37	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL38	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL39	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL40	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL41	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL42	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL43	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL44	0.0153002114	5.000	43.702	1.400
SRCPARAM VOL45	0.0153002114	5.000	43.702	1.400

SRCPARAM	VOL46	0.0153002114	5.000	43.702	1.400
SRCPARAM	VOL47	0.0153002114	5.000	43.702	1.400
SRCPARAM	VOL48	0.0153002114	5.000	43.702	1.400
URBANSRC	ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL2	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL3	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL4	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL4	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL4	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

EMISFACT VOL48 HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

RE STARTING
INCLUDED "14064 Cons NO2 Mit.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
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "14064 CONS NO2 MIT.AD\01H1GALL.PLT" 31
SUMMFILE "14064 Cons NO2 Mit.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 881 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 881 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

* Model Uses Regulatory DEFAULT Options
 * Model Is Setup For Calculation of Average CONCentration Values.
 * NO GAS DEPOSITION Data Provided.
 * NO PARTICLE DEPOSITION Data Provided.
 * Model Uses NO DRY DEPLETION. DDPLETE = F
 * Model Uses NO WET DEPLETION. WETDPLT = F
 * Stack-tip Downwash.
 * Model Accounts for ELEVated Terrain Effects.
 * Use Calms Processing Routine.
 * Use Missing Data Processing Routine.
 * No Exponential Decay.
 * Model Uses URBAN Dispersion Algorithm for the SBL for 48 Source(s),
 for Total of 1 Urban Area(s):
 Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
 * Urban Roughness Length of 1.0 Meter Used.
 * ADJ_U* - Use ADJ_U* option for SBL in AERMET
 * CCVR_Sub - Meteorological data includes CCVR substitutions
 * TEMP_Sub - Meteorological data includes TEMP substitutions
 * Model Accepts FLAGPOLE Receptor . Heights.
 * The User Specified a Pollutant Type of: NOX

**Model Calculates 1 Short Term Average(s) of: 1-HR

**This Run Includes: 48 Source(s); 1 Source Group(s); and 233 Receptor(s)

with: 0 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)
 and: 48 VOLUME source(s)
 and: 0 AREA type source(s)
 and: 0 LINE source(s)
 and: 0 RLINE/RLINEXT source(s)
 and: 0 OPENPIT source(s)
 and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
 and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
 Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
 Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
 m for Missing Hours
 b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 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: 14064 Cons NO2
Mit.err
**File for Summary of Results: 14064 Cons NO2
Mit.sum

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER URBAN	EMISSION RATE (GRAMS/SEC)	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ
SOURCE ID (METERS)	PART. SCALAR VARY CATS.	BY	X (METERS)	Y (METERS)	(METERS)	(METERS)
VOL1	0	0.15300E-01	471175.5	3752366.4	510.2	43.70
YES HRDOW						1.40
VOL2	0	0.15300E-01	471362.2	3752367.6	512.4	43.70
YES HRDOW						1.40
VOL3	0	0.15300E-01	471550.1	3752368.4	518.9	43.70
YES HRDOW						1.40
VOL4	0	0.15300E-01	471609.6	3752371.6	516.0	43.70
YES HRDOW						1.40
VOL5	0	0.15300E-01	471796.7	3752342.2	515.1	43.70
YES HRDOW						1.40
VOL6	0	0.15300E-01	471984.7	3752344.6	513.6	43.70
YES HRDOW						1.40
VOL7	0	0.15300E-01	472003.7	3752347.0	512.1	43.70
YES HRDOW						1.40
VOL8	0	0.15300E-01	472002.9	3752159.1	521.6	43.70
YES HRDOW						1.40
VOL9	0	0.15300E-01	471814.2	3752156.7	520.7	43.70
YES HRDOW						1.40
VOL10	0	0.15300E-01	471628.6	3752181.3	526.8	43.70
YES HRDOW						1.40
VOL11	0	0.15300E-01	471440.7	3752181.3	527.4	43.70
YES HRDOW						1.40
VOL12	0	0.15300E-01	471253.6	3752180.5	518.9	43.70
YES HRDOW						1.40
VOL13	0	0.15300E-01	471092.6	3752217.7	509.6	43.70
YES HRDOW						1.40
VOL14	0	0.15300E-01	471074.4	3752029.0	516.1	43.70
YES HRDOW						1.40
VOL15	0	0.15300E-01	471263.9	3751992.5	521.1	43.70
YES HRDOW						1.40
VOL16	0	0.15300E-01	471452.6	3751994.1	530.0	43.70
YES HRDOW						1.40
VOL17	0	0.15300E-01	471640.5	3751992.5	534.9	43.70
YES HRDOW						1.40
VOL18	0	0.15300E-01	471827.7	3751968.0	533.0	43.70
YES HRDOW						1.40
VOL19	0	0.15300E-01	472002.9	3751970.3	527.9	43.70
						1.40

YES	HRDOW								
VOL20		0	0.15300E-01	471845.1	3751780.0	538.8	5.00	43.70	1.40
YES	HRDOW								
VOL21		0	0.15300E-01	471657.2	3751803.8	536.0	5.00	43.70	1.40
YES	HRDOW								
VOL22		0	0.15300E-01	471468.5	3751806.2	528.3	5.00	43.70	1.40
YES	HRDOW								
VOL23		0	0.15300E-01	471280.5	3751807.0	525.0	5.00	43.70	1.40
YES	HRDOW								
VOL24		0	0.15300E-01	471093.4	3751841.9	515.6	5.00	43.70	1.40
YES	HRDOW								
VOL25		0	0.15300E-01	470978.4	3751841.9	518.1	5.00	43.70	1.40
YES	HRDOW								
VOL26		0	0.15300E-01	471014.1	3751654.8	520.4	5.00	43.70	1.40
YES	HRDOW								
VOL27		0	0.15300E-01	471201.2	3751654.8	525.1	5.00	43.70	1.40
YES	HRDOW								
VOL28		0	0.15300E-01	471389.2	3751619.1	534.9	5.00	43.70	1.40
YES	HRDOW								
VOL29		0	0.15300E-01	471577.9	3751616.7	529.0	5.00	43.70	1.40
YES	HRDOW								
VOL30		0	0.15300E-01	471724.6	3751620.7	533.8	5.00	43.70	1.40
YES	HRDOW								
VOL31		0	0.15300E-01	471941.0	3751865.7	534.6	5.00	43.70	1.40
YES	HRDOW								
VOL32		0	0.15300E-01	471795.2	3751684.9	537.3	5.00	43.70	1.40
YES	HRDOW								
VOL33		0	0.15300E-01	471577.9	3751434.3	531.1	5.00	43.70	1.40
YES	HRDOW								
VOL34		0	0.15300E-01	471390.0	3751431.9	537.3	5.00	43.70	1.40
YES	HRDOW								
VOL35		0	0.15300E-01	471202.0	3751467.6	526.8	5.00	43.70	1.40
YES	HRDOW								
VOL36		0	0.15300E-01	471065.7	3751504.9	522.0	5.00	43.70	1.40
YES	HRDOW								
VOL37		0	0.15300E-01	471656.4	3751514.4	529.5	5.00	43.70	1.40
YES	HRDOW								
VOL38		0	0.15300E-01	471522.4	3751324.1	529.0	5.00	43.70	1.40
YES	HRDOW								
VOL39		0	0.15300E-01	471332.9	3751322.5	529.5	5.00	43.70	1.40
YES	HRDOW								
VOL40		0	0.15300E-01	471282.9	3751321.7	528.2	5.00	43.70	1.40
YES	HRDOW								

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	SCALAR	PART.	NUMBER EMISSION RATE	URBAN EMISSION RATE	X	Y	BASE	RELEASE	INIT.	INIT.
							ELEV.	HEIGHT	SY	SZ
ID	SCALAR VARY	CATS.	(GRAMS/SEC)		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)			BY							
---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---

VOL41		0	0.15300E-01	471233.8	3751388.3	528.5	5.00	43.70	1.40
YES	HRDOW								
VOL42		0	0.15300E-01	472135.6	3751845.1	525.8	5.00	43.70	1.40

YES	HRDOW								
VOL43		0	0.15300E-01	472323.4	3751843.5	510.5	5.00	43.70	1.40
YES	HRDOW								
VOL44		0	0.15300E-01	472512.5	3751852.3	501.4	5.00	43.70	1.40
YES	HRDOW								
VOL45		0	0.15300E-01	472698.0	3751875.5	491.4	5.00	43.70	1.40
YES	HRDOW								
VOL46		0	0.15300E-01	472880.8	3751928.7	487.9	5.00	43.70	1.40
YES	HRDOW								
VOL47		0	0.15300E-01	472608.0	3752044.6	498.5	5.00	43.70	1.40
YES	HRDOW								
VOL48		0	0.15300E-01	471084.5	3752407.2	506.8	5.00	43.70	1.40
YES	HRDOW								


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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs											
-----	-----											
ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL42	,	VOL43	,	VOL44	,	VOL45	,	VOL46	,
	VOL47	,	VOL48	,								

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs										
-----	-----	-----										
	2189641.	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	
	VOL6	, VOL7	,									
VOL8	,											
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								

VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 ,
VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 ,
VOL31 , VOL32 ,
VOL33 , VOL34 , VOL35 , VOL36 , VOL37 , VOL38 ,
VOL39 , VOL40 ,
VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
VOL47 , VOL48 ,

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :

Hourly scalar emission rates for source VOL6, organized by day of week (Weekday, Saturday, Sunday).

DAY OF WEEK = WEEKDAY

Weekday emission rates: 1-24 hours with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Saturday emission rates: 1-24 hours with values ranging from 0.0000E+00 to 0.0000E+00.

DAY OF WEEK = SUNDAY

Sunday emission rates: 1-24 hours with values ranging from 0.0000E+00 to 0.0000E+00.

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :

Hourly scalar emission rates for source VOL7, organized by day of week (Weekday, Saturday, Sunday).

DAY OF WEEK = WEEKDAY

Weekday emission rates: 1-24 hours with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Saturday emission rates: 1-24 hours with values ranging from 0.0000E+00 to 0.0000E+00.

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :

Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour
SCALAR Hour SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :

Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour
SCALAR Hour SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL13, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekdays (Days 1-7), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturdays (Days 8-14), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sundays (Days 15-21), with values ranging from 0.0000E+00 to 0.1000E+01.

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL14, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekdays (Days 1-7), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturdays (Days 8-14), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sundays (Days 15-21), with values ranging from 0.0000E+00 to 0.1000E+01.

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 FLGPOL 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 FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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 Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01

17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
*** 10:45:47

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :
HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL
SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

*** 10:45:47

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL
SCALAR HOURL SCALAR HOURL SCALAR HOURL SCALAR HOURL

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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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Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(472283.7, 3752641.0, 492.6, 492.6, 2.0); (472482.2, 3752398.0,
499.3, 499.3, 2.0);
(472478.0, 3752183.1, 505.1, 505.1, 2.0); (472148.1, 3752531.5,
495.2, 502.0, 2.0);
(472052.1, 3752531.2, 499.4, 512.0, 2.0); (471975.5, 3752531.2,
500.5, 514.0, 2.0);
(471896.1, 3752530.9, 503.4, 513.0, 2.0); (471840.8, 3752529.9,
503.4, 513.0, 2.0);
(471816.6, 3752527.1, 500.6, 513.0, 2.0); (471736.8, 3752557.9,
501.5, 501.5, 2.0);
(471696.6, 3752558.9, 500.0, 500.0, 2.0); (471627.3, 3752556.2,
501.9, 512.0, 2.0);
(471584.6, 3752556.8, 504.5, 507.0, 2.0); (471560.0, 3752556.2,
504.6, 507.0, 2.0);
(471534.3, 3752554.9, 503.2, 509.0, 2.0); (471514.9, 3752554.9,
502.2, 519.0, 2.0);
(471486.8, 3752555.7, 503.1, 503.1, 2.0); (471465.7, 3752555.4,
503.1, 503.1, 2.0);
(471442.2, 3752555.0, 501.3, 505.0, 2.0); (471419.7, 3752552.5,
500.3, 505.0, 2.0);
(471394.2, 3752552.9, 501.4, 501.4, 2.0); (471363.4, 3752552.5,
503.5, 503.5, 2.0);
(471332.7, 3752553.3, 505.8, 505.8, 2.0); (471307.6, 3752552.9,
506.9, 506.9, 2.0);
(471284.0, 3752552.7, 506.2, 506.2, 2.0); (471262.0, 3752552.7,
505.7, 505.7, 2.0);
(471241.9, 3752552.7, 505.6, 505.6, 2.0); (471223.1, 3752552.9,
505.9, 505.9, 2.0);
(471205.9, 3752552.9, 506.2, 506.2, 2.0); (471173.2, 3752552.4,
506.5, 506.5, 2.0);
(471135.7, 3752552.5, 506.1, 506.1, 2.0); (471093.2, 3752551.5,
505.4, 505.4, 2.0);
(471059.4, 3752551.7, 504.7, 504.7, 2.0); (471020.5, 3752551.2,
503.1, 503.1, 2.0);
(470981.0, 3752563.6, 502.1, 502.1, 2.0); (470980.4, 3752552.2,
502.5, 502.5, 2.0);
(470980.1, 3752535.6, 503.0, 503.0, 2.0); (470979.9, 3752517.2,
503.7, 503.7, 2.0);
(470980.1, 3752499.8, 504.0, 504.0, 2.0); (470980.2, 3752479.8,
504.0, 504.0, 2.0);
(470980.4, 3752459.4, 504.6, 504.6, 2.0); (470980.2, 3752433.2,
505.4, 505.4, 2.0);
(470980.1, 3752404.0, 506.0, 506.0, 2.0); (470927.1, 3752402.7,
504.9, 504.9, 2.0);
(470907.9, 3752402.7, 503.1, 503.1, 2.0); (470887.3, 3752402.7,
500.9, 505.0, 2.0);
(470869.7, 3752402.0, 500.7, 500.7, 2.0); (470849.6, 3752401.9,
500.3, 500.3, 2.0);

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( 470829.4, 3752402.2, 500.0, 500.0, 2.0); ( 470811.6, 3752402.2,
499.7, 499.7, 2.0);
( 470791.5, 3752402.5, 499.2, 499.2, 2.0); ( 470773.6, 3752401.9,
498.6, 498.6, 2.0);
( 470749.2, 3752402.2, 497.8, 497.8, 2.0); ( 470727.7, 3752391.7,
497.8, 497.8, 2.0);
( 470733.0, 3752339.0, 499.9, 499.9, 2.0); ( 470733.7, 3752320.5,
500.2, 500.2, 2.0);
( 470734.2, 3752291.0, 500.8, 500.8, 2.0); ( 470733.2, 3752265.8,
500.8, 500.8, 2.0);
( 470732.9, 3752218.8, 501.2, 501.2, 2.0); ( 470732.5, 3752182.1,
501.8, 501.8, 2.0);
( 470732.4, 3752145.3, 503.0, 503.0, 2.0); ( 470692.4, 3752144.8,
502.5, 502.5, 2.0);
( 470670.1, 3752144.5, 502.1, 502.1, 2.0); ( 470651.7, 3752144.3,
502.0, 502.0, 2.0);
( 470633.5, 3752144.1, 501.5, 501.5, 2.0); ( 470615.5, 3752144.0,
500.9, 500.9, 2.0);
( 470596.0, 3752143.3, 500.2, 500.2, 2.0); ( 470577.0, 3752143.5,
500.0, 500.0, 2.0);
( 470553.6, 3752143.5, 499.7, 499.7, 2.0); ( 470528.6, 3752142.6,
498.8, 498.8, 2.0);
( 470508.0, 3752142.8, 497.6, 497.6, 2.0); ( 470485.6, 3752142.5,
496.3, 496.3, 2.0);
( 470471.6, 3752131.6, 496.1, 496.1, 2.0); ( 470471.6, 3752109.2,
497.3, 497.3, 2.0);
( 470471.3, 3752085.2, 498.1, 498.1, 2.0); ( 470471.5, 3752037.7,
499.7, 499.7, 2.0);
( 470471.7, 3752013.0, 500.0, 500.0, 2.0); ( 470470.9, 3751987.2,
500.1, 500.1, 2.0);
( 470470.9, 3751965.7, 500.1, 500.1, 2.0); ( 470470.8, 3751944.4,
500.1, 500.1, 2.0);
( 470470.6, 3751924.3, 499.6, 499.6, 2.0); ( 470470.5, 3751905.9,
499.0, 499.0, 2.0);
( 470470.9, 3751884.1, 499.1, 499.1, 2.0); ( 470470.6, 3751864.0,
498.6, 498.6, 2.0);
( 470470.3, 3751844.0, 497.9, 497.9, 2.0); ( 470470.2, 3751824.5,
496.6, 496.6, 2.0);
( 470470.3, 3751805.8, 495.7, 499.0, 2.0); ( 470470.3, 3751788.0,
495.1, 502.0, 2.0);
( 470470.3, 3751761.2, 497.6, 497.6, 2.0); ( 470471.0, 3751741.9,
499.5, 499.5, 2.0);

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Campus\14064 Ops\140 *** 10/26/23

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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```

( 470470.0, 3751722.8, 501.4, 501.4, 2.0); ( 470470.2, 3751703.4,
503.3, 503.3, 2.0);
( 470470.2, 3751683.8, 504.9, 504.9, 2.0); ( 470470.3, 3751664.3,
506.2, 506.2, 2.0);
( 470470.3, 3751642.4, 507.6, 507.6, 2.0); ( 470470.5, 3751621.8,
508.5, 508.5, 2.0);
( 470470.2, 3751599.8, 509.0, 509.0, 2.0); ( 470470.6, 3751578.8,
509.1, 509.1, 2.0);
( 470469.6, 3751555.9, 507.6, 507.6, 2.0); ( 470470.0, 3751512.5,
504.8, 512.0, 2.0);
( 470468.6, 3751414.6, 501.8, 513.0, 2.0); ( 470469.8, 3751385.2,
507.1, 513.0, 2.0);

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(470468.6, 3751358.9, 509.6, 509.6, 2.0); (470462.9, 3751325.6, 511.9, 511.9, 2.0);
(470462.0, 3751310.6, 512.6, 512.6, 2.0); (470462.6, 3751296.6, 512.4, 512.4, 2.0);
(470462.6, 3751283.3, 512.0, 512.0, 2.0); (470462.6, 3751269.9, 511.1, 511.1, 2.0);
(470462.9, 3751254.3, 509.6, 512.0, 2.0); (470462.0, 3751240.7, 508.9, 508.9, 2.0);
(470463.2, 3751227.6, 509.4, 509.4, 2.0); (470756.4, 3751290.6, 507.7, 525.0, 2.0);
(470797.7, 3751268.3, 507.7, 525.0, 2.0); (470891.2, 3751226.4, 512.0, 512.0, 2.0);
(470940.8, 3751191.8, 512.1, 512.1, 2.0); (471000.6, 3750923.6, 523.8, 523.8, 2.0);
(471029.3, 3750923.6, 523.7, 523.7, 2.0); (471056.3, 3750923.9, 524.2, 542.0, 2.0);
(471077.9, 3750924.4, 524.8, 543.0, 2.0); (471097.6, 3750924.4, 525.7, 543.0, 2.0);
(471118.2, 3750925.0, 528.0, 543.0, 2.0); (471139.0, 3750927.4, 529.8, 543.0, 2.0);
(471160.1, 3750928.8, 530.8, 543.0, 2.0); (471181.1, 3750931.5, 532.3, 543.0, 2.0);
(471201.7, 3750930.9, 533.3, 543.0, 2.0); (471222.5, 3750931.5, 533.7, 543.0, 2.0);
(471244.1, 3750931.2, 534.8, 543.0, 2.0); (471264.4, 3750931.7, 535.7, 538.0, 2.0);
(471284.4, 3750931.7, 536.5, 536.5, 2.0); (471305.8, 3750931.7, 536.5, 536.5, 2.0);
(471324.7, 3750930.9, 535.8, 535.8, 2.0); (471343.0, 3750930.1, 534.9, 534.9, 2.0);
(471363.9, 3750929.0, 534.7, 534.7, 2.0); (471382.0, 3750928.8, 534.8, 534.8, 2.0);
(471400.9, 3750928.2, 535.0, 535.0, 2.0); (471421.1, 3750928.0, 535.4, 535.4, 2.0);
(471440.6, 3750928.1, 535.6, 535.6, 2.0); (471461.8, 3750927.4, 535.7, 535.7, 2.0);
(471479.8, 3750927.9, 535.9, 535.9, 2.0); (471499.7, 3750927.6, 536.2, 536.2, 2.0);
(471519.3, 3750928.8, 536.6, 549.0, 2.0); (471537.0, 3750929.6, 538.0, 549.0, 2.0);
(471556.8, 3750930.9, 539.6, 549.0, 2.0); (471580.7, 3750934.1, 541.7, 549.0, 2.0);
(471624.0, 3750940.2, 545.0, 549.0, 2.0); (471795.9, 3750950.1, 548.4, 548.4, 2.0);
(471796.3, 3750967.9, 547.3, 547.3, 2.0); (471796.7, 3750987.2, 545.3, 547.0, 2.0);
(471797.5, 3751006.8, 542.7, 549.0, 2.0); (471796.7, 3751025.3, 542.0, 547.0, 2.0);
(471795.9, 3751046.4, 541.1, 541.1, 2.0); (471796.7, 3751073.0, 540.1, 540.1, 2.0);
(471797.5, 3751143.8, 537.7, 537.7, 2.0); (471833.0, 3751143.8, 537.0, 537.0, 2.0);
(471867.4, 3751144.0, 534.9, 534.9, 2.0); (471891.0, 3751144.4, 532.9, 532.9, 2.0);
(471916.6, 3751144.2, 530.9, 530.9, 2.0); (471939.5, 3751144.2, 529.4, 529.4, 2.0);
(471963.1, 3751144.4, 525.8, 535.0, 2.0); (471984.2, 3751144.0, 524.4, 533.0, 2.0);
(471999.0, 3751163.4, 525.3, 536.0, 2.0); (472000.2, 3751199.1, 530.8, 530.8, 2.0);
(471999.8, 3751230.6, 532.9, 532.9, 2.0); (472000.4, 3751251.5, 534.3, 534.3, 2.0);
(472000.2, 3751281.1, 536.2, 536.2, 2.0); (472002.0, 3751347.9, 537.0, 537.0, 2.0);
(472036.9, 3751348.5, 536.6, 536.6, 2.0); (472063.1, 3751349.3, 536.5, 536.5, 2.0);

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( 472084.6, 3751348.3, 535.8, 535.8, 2.0); ( 472104.9, 3751348.7,
534.6, 534.6, 2.0);
( 472127.3, 3751348.5, 533.0, 533.0, 2.0); ( 472150.8, 3751349.7,
531.4, 531.4, 2.0);
( 472171.5, 3751349.5, 530.3, 530.3, 2.0); ( 472194.1, 3751349.1,
528.2, 531.0, 2.0);
( 472222.6, 3751348.7, 525.4, 536.0, 2.0); ( 472247.8, 3751349.5,
523.2, 536.0, 2.0);
( 472269.7, 3751349.1, 520.9, 536.0, 2.0); ( 472290.4, 3751350.3,
520.7, 535.0, 2.0);
( 472313.6, 3751350.5, 520.9, 532.0, 2.0); ( 472333.8, 3751351.3,
520.6, 532.0, 2.0);

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Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 472354.8, 3751351.3, 518.5, 532.0, 2.0); ( 472377.7, 3751351.1,
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( 472401.7, 3751351.1, 513.6, 533.0, 2.0); ( 472425.5, 3751351.8,
511.8, 532.0, 2.0);
( 472445.7, 3751350.7, 511.1, 532.0, 2.0); ( 472463.2, 3751350.9,
509.4, 532.0, 2.0);
( 472484.1, 3751350.9, 507.3, 532.0, 2.0); ( 472503.9, 3751351.3,
506.3, 532.0, 2.0);
( 472523.8, 3751351.3, 506.2, 531.0, 2.0); ( 472543.3, 3751351.3,
506.4, 506.4, 2.0);
( 472563.2, 3751352.2, 506.1, 506.1, 2.0); ( 472582.6, 3751352.0,
505.8, 505.8, 2.0);
( 472601.3, 3751352.0, 505.3, 505.3, 2.0); ( 472606.8, 3751367.3,
504.3, 504.3, 2.0);
( 472607.6, 3751396.4, 504.2, 504.2, 2.0); ( 472608.5, 3751432.1,
505.0, 505.0, 2.0);
( 472608.9, 3751462.6, 504.4, 504.4, 2.0); ( 472609.5, 3751497.1,
505.0, 505.0, 2.0);
( 472610.7, 3751553.8, 505.4, 505.4, 2.0); ( 472666.0, 3751554.0,
501.3, 501.3, 2.0);
( 472690.4, 3751553.6, 499.8, 499.8, 2.0); ( 472713.5, 3751554.3,
499.2, 499.2, 2.0);
( 472734.6, 3751554.0, 497.9, 497.9, 2.0); ( 472759.5, 3751554.0,
496.2, 496.2, 2.0);
( 472781.8, 3751554.5, 494.9, 499.0, 2.0); ( 472849.8, 3751556.1,
495.4, 495.4, 2.0);
( 472871.8, 3751556.1, 494.9, 494.9, 2.0); ( 472895.2, 3751555.6,
494.2, 494.2, 2.0);
( 472922.6, 3751555.9, 493.8, 493.8, 2.0); ( 473092.4, 3751802.3,
486.1, 486.1, 2.0);
( 473204.8, 3751856.8, 481.6, 481.6, 2.0); ( 472991.2, 3752083.3,
484.1, 484.1, 2.0);
( 473295.1, 3752052.5, 478.7, 478.7, 2.0); ( 473356.8, 3752050.3,
476.8, 476.8, 2.0);
( 473495.1, 3751996.6, 476.0, 476.0, 2.0); ( 473486.5, 3751917.7,
475.8, 475.8, 2.0);
( 473392.6, 3752058.2, 475.9, 475.9, 2.0); ( 473464.3, 3752082.6,
475.2, 475.2, 2.0);
( 473550.3, 3752087.6, 473.0, 473.0, 2.0); ( 473584.7, 3752089.8,
473.0, 473.0, 2.0);
( 472765.6, 3752474.1, 477.2, 495.0, 2.0); ( 470432.2, 3750483.9,
532.6, 532.6, 2.0);

```


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

F indicates top of profile (=1) or below (=0)

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL *** INCLUDING SOURCE(S): VOL1, VOL2, VOL3, VOL4, VOL5, VOL6, VOL7, VOL8, VOL9, VOL10, VOL11, VOL12, VOL13, VOL14, VOL15, VOL16, VOL17, VOL18, VOL19, VOL20, VOL21, VOL22, VOL23, VOL24, VOL25, VOL26, VOL27, VOL28

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN MICROGRAMS/M**3 **

Table with 7 columns: X-COORD (M), Y-COORD (M), CONC, (YYMMDDHH), X-COORD (M), Y-COORD (M). It lists discrete Cartesian receptor points with their coordinates and associated concentration and time data.

3752552.20	2.98764	(14021809)		
470980.06	3752535.61	3.09803	(14021809)	470979.89
3752517.19	3.21652	(14021809)		
470980.06	3752499.76	3.43808	(13021809)	470980.22
3752479.85	3.78990	(16120116)		
470980.39	3752459.44	4.12722	(13112716)	470980.22
3752433.22	4.71062	(13112716)		
470980.06	3752404.02	4.94678	(15021709)	470927.12
3752402.69	3.33188	(13112716)		
470907.87	3752402.69	3.01149	(13112716)	470887.30
3752402.69	2.73041	(13112716)		
470869.71	3752402.03	2.53943	(13112716)	470849.63
3752401.86	2.35502	(13112716)		
470829.39	3752402.19	2.19657	(13112716)	470811.63
3752402.19	2.07506	(13112716)		
470791.55	3752402.53	1.95334	(13112716)	470773.63
3752401.86	1.85659	(13112716)		
470749.24	3752402.19	1.73946	(13112716)	470727.72
3752391.74	1.65180	(13112716)		
470733.04	3752338.97	1.66421	(13112716)	470733.70
3752320.55	1.65855	(13112716)		
470734.20	3752291.01	1.64759	(13112716)	470733.20
3752265.78	1.63638	(15021709)		
470732.87	3752218.81	1.65814	(15021709)	470732.54
3752182.14	1.66801	(15021709)		
470732.37	3752145.29	1.68059	(15021709)	470692.38
3752144.80	1.54858	(15021709)		
470670.14	3752144.46	1.48604	(15021709)	470651.72
3752144.30	1.43882	(15021709)		
470633.46	3752144.13	1.39594	(15021709)	470615.54
3752143.97	1.35700	(15021709)		
470595.95	3752143.30	1.31783	(15021709)	470577.03
3752143.47	1.28217	(15021709)		
470553.63	3752143.47	1.24149	(15021709)	470528.57
3752142.64	1.20211	(15021709)		
470507.99	3752142.80	1.17176	(15021709)	470485.59
3752142.47	1.14117	(15021709)		
470471.60	3752131.63	1.12961	(15021709)	470471.60
3752109.21	1.14376	(15021709)		
470471.32	3752085.22	1.15969	(15021709)	470471.46
3752037.68	1.19707	(15021709)		
470471.74	3752013.00	1.21960	(15021709)	470470.89
3751987.18	1.24311	(15021709)		
470470.89	3751965.74	1.26412	(15021709)	470470.75
3751944.44	1.28442	(15021709)		

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*** AERMET - VERSION 16216 ***

*** 10:45:47

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX
MICROGRAMS/M**3

IN

**

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
470470.61	3751924.27	1.30253	(15021709)	470470.47	
3751905.93	1.31733	(15021709)			
470470.89	3751884.06	1.33322	(15021709)	470470.61	
3751864.03	1.34328	(15021709)			
470470.33	3751844.00	1.34975	(15021709)	470470.19	
3751824.53	1.35264	(15021709)			
470470.33	3751805.77	1.35265	(15021709)	470470.33	
3751788.00	1.34968	(15021709)			
470470.33	3751761.19	1.34148	(15021709)	470471.03	
3751741.87	1.33397	(15021709)			
470470.05	3751722.82	1.32160	(15021709)	470470.19	
3751703.36	1.30954	(15021709)			
470470.19	3751683.75	1.29598	(15021709)	470470.33	
3751664.28	1.28938	(14123016)			
470470.33	3751642.41	1.29832	(14123016)	470470.47	
3751621.82	1.30367	(14123016)			
470470.19	3751599.81	1.30557	(14123016)	470470.61	
3751578.79	1.30560	(14123016)			
470469.62	3751555.94	1.29685	(14123016)	470470.05	
3751512.49	1.27605	(14123016)			
470468.64	3751414.59	1.19989	(14123016)	470469.76	
3751385.25	1.19779	(14123016)			
470468.65	3751358.95	1.17433	(14123016)	470462.93	
3751325.56	1.13523	(12121315)			
470461.98	3751310.62	1.13167	(12121315)	470462.61	
3751296.63	1.13103	(12121315)			
470462.61	3751283.28	1.12923	(12121315)	470462.61	
3751269.92	1.12721	(12121315)			
470462.93	3751254.35	1.12483	(12121315)	470461.98	
3751240.67	1.11987	(12121315)			
470463.25	3751227.64	1.11769	(12121315)	470756.39	
3751290.59	1.84537	(12121315)			
470797.72	3751268.33	1.94691	(12121315)	470891.19	
3751226.38	2.25506	(12012316)			
470940.78	3751191.82	2.36507	(14020616)	471000.61	
3750923.63	2.13360	(12012316)			
471029.26	3750923.63	2.16057	(12012316)	471056.29	
3750923.90	2.15626	(12012316)			
471077.91	3750924.44	2.13319	(12012316)	471097.64	
3750924.44	2.09287	(12012316)			
471118.18	3750924.98	2.09832	(16112816)	471138.99	
3750927.42	2.28940	(16112816)			
471160.07	3750928.77	2.50359	(16112816)	471181.15	
3750931.47	2.84915	(12121316)			
471201.69	3750930.93	3.29558	(12121316)	471222.50	
3750931.47	3.23764	(12121316)			
471244.13	3750931.20	3.45778	(16112816)	471264.40	
3750931.74	3.64940	(16112816)			
471284.40	3750931.74	3.77922	(16112816)	471305.75	
3750931.74	3.84481	(16112816)			
471324.67	3750930.93	3.82312	(16112816)	471343.05	
3750930.12	3.74371	(16112816)			
471363.86	3750929.04	3.60128	(16112816)	471381.96	
3750928.77	3.45651	(16112816)			
471400.88	3750928.23	3.29874	(16112816)	471421.15	
3750927.96	3.14869	(16112816)			
471440.59	3750928.11	3.04432	(16112816)	471461.83	
3750927.45	2.97799	(16112816)			
471479.76	3750927.95	2.96342	(16112816)	471499.68	

3750927.62	2.97295	(16112816)		
471519.26	3750928.78	3.00352	(16112816)	471537.02
3750929.61	3.02327	(16112816)		
471556.77	3750930.94	3.03145	(16112816)	471580.68
3750934.09	3.01296	(16112816)		
471624.00	3750940.23	3.01932	(15122816)	471795.90
3750950.11	2.33944	(15122816)		
471796.29	3750967.88	2.36288	(15122816)	471796.69
3750987.22	2.37426	(15122816)		
471797.47	3751006.75	2.35812	(15122816)	471796.69
3751025.30	2.38714	(15122816)		
471795.90	3751046.40	2.36444	(15122816)	471796.69
3751072.96	2.36015	(16112816)		
471797.47	3751143.85	2.74099	(12121716)	471833.01
3751143.85	2.76257	(12121716)		
471867.38	3751144.05	2.75312	(12121716)	471891.02
3751144.44	2.72812	(12121716)		
471916.60	3751144.24	2.67390	(12121716)	471939.45
3751144.24	2.61892	(12121716)		
471963.08	3751144.44	2.53645	(12121716)	471984.17
3751144.05	2.48346	(12121716)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN **
 MICROGRAMS/M**3

X-COORD (M) Y-COORD (M) CONC (YYMMDDHH) X-COORD (M) Y-COORD
 (M) CONC (YYMMDDHH)

471999.02	3751163.38	2.61576	(12121716)	472000.19
3751199.12	2.88298	(12121716)		
471999.80	3751230.56	3.02775	(12121716)	472000.38
3751251.46	3.08957	(12121716)		
472000.19	3751281.15	3.17535	(12121716)	472001.95
3751347.94	3.46867	(12121716)		
472036.90	3751348.52	3.29161	(12121716)	472063.07
3751349.31	3.17110	(12121716)		
472084.56	3751348.33	3.07638	(12121716)	472104.87
3751348.72	2.99935	(12121716)		
472127.33	3751348.52	2.91385	(12121716)	472150.76
3751349.70	2.83394	(12121716)		
472171.47	3751349.50	2.75772	(12121716)	472194.12
3751349.11	2.67436	(12121716)		
472222.63	3751348.72	2.58388	(12121716)	472247.83
3751349.50	2.50816	(12121716)		
472269.70	3751349.11	2.44267	(12121716)	472290.40

3751350.28	2.38945	(12121716)		
472313.64	3751350.48	2.32904	(12121716)	472333.76
3751351.26	2.28023	(12121716)		
472354.85	3751351.26	2.22628	(12121716)	472377.70
3751351.06	2.16799	(12121716)		
472401.72	3751351.06	2.10992	(12121716)	472425.55
3751351.84	2.05780	(12121716)		
472445.67	3751350.67	2.01317	(12121716)	472463.24
3751350.87	1.97595	(12121716)		
472484.14	3751350.87	1.93215	(12121716)	472503.87
3751351.26	1.89493	(12121716)		
472523.79	3751351.26	1.86011	(12121716)	472543.32
3751351.26	1.82759	(12121716)		
472563.24	3751352.24	1.79609	(12121716)	472582.57
3751352.04	1.76472	(12121716)		
472601.32	3751352.04	1.73561	(12121716)	472606.79
3751367.27	1.74906	(12121716)		
472607.57	3751396.37	1.79413	(12121716)	472608.55
3751432.11	1.85795	(12121716)		
472608.94	3751462.58	1.92201	(12121716)	472609.52
3751497.15	2.02168	(12121716)		
472610.70	3751553.78	2.28254	(12121716)	472665.97
3751553.98	2.24423	(12121716)		
472690.38	3751553.59	2.22839	(12121716)	472713.50
3751554.27	2.22285	(12121716)		
472734.64	3751554.04	2.20991	(12121716)	472759.46
3751554.04	2.19611	(12121716)		
472781.75	3751554.50	2.18790	(12121716)	472849.76
3751556.11	2.17656	(12121716)		
472871.82	3751556.11	2.16503	(12121716)	472895.25
3751555.65	2.14807	(12121716)		
472922.60	3751555.88	2.13291	(12121716)	473092.41
3751802.31	3.83118	(12121716)		
473204.80	3751856.81	2.62252	(12121716)	472991.21
3752083.31	2.79138	(13112916)		
473295.12	3752052.49	1.38181	(14111116)	473356.76
3752050.34	1.17979	(14111116)		
473495.10	3751996.58	1.17079	(13112016)	473486.50
3751917.74	1.42050	(13112016)		
473392.60	3752058.22	1.09460	(14111116)	473464.28
3752082.59	0.96629	(14111116)		
473550.29	3752087.61	0.84820	(13121916)	473584.69
3752089.76	0.82143	(13121916)		
472765.59	3752474.09	1.17818	(14111116)	470432.16
3750483.93	1.93793	(12121316)		
469244.06	3754182.82	0.40633	(14020709)	469596.75
3750785.65	0.61351	(14101709)		
470466.55	3750530.27	2.14378	(12121316)	469319.29
3749244.53	0.49049	(14121709)		
469229.64	3749502.19	0.46880	(15122209)	468465.38
3749582.33	0.47976	(12011709)		
471438.37	3750129.76	1.42844	(15122816)	471657.54
3749918.78	1.05843	(15122816)		
471732.91	3749916.52	0.97203	(15122816)	471710.30
3750132.80	1.17850	(15122816)		
471273.89	3750119.77	1.21805		
(15122816)				

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF NOX IN
MICROGRAMS/M**3

**

GROUP ID AVERAGE CONC DATE NETWORK
ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID (YYMMDDHH) RECEPTOR (XR, YR,

ALL HIGH 1ST HIGH VALUE IS 7.35130 ON 13112916: AT (472052.12, 3752531.22,
499.36, 512.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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 881 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 881 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 10/26/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\LSTs\14064 Cons PM10 Mit\14064
Cons PM10 Mit.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

CO STARTING

```

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2189641 Riverside_County
POLLUTID PM_10
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14064 Cons PM10 Mit.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	471175.473	3752366.407	510.210
LOCATION VOL2	VOLUME	471362.212	3752367.600	512.450
LOCATION VOL3	VOLUME	471550.136	3752368.393	518.920
LOCATION VOL4	VOLUME	471609.606	3752371.565	516.010
LOCATION VOL5	VOLUME	471796.736	3752342.227	515.100
LOCATION VOL6	VOLUME	471984.660	3752344.605	513.590
LOCATION VOL7	VOLUME	472003.690	3752346.984	512.090
LOCATION VOL8	VOLUME	472002.898	3752159.060	521.590
LOCATION VOL9	VOLUME	471814.181	3752156.682	520.730
LOCATION VOL10	VOLUME	471628.636	3752181.262	526.790
LOCATION VOL11	VOLUME	471440.712	3752181.262	527.380
LOCATION VOL12	VOLUME	471253.581	3752180.469	518.870
LOCATION VOL13	VOLUME	471092.617	3752217.737	509.620
LOCATION VOL14	VOLUME	471074.380	3752029.020	516.070
LOCATION VOL15	VOLUME	471263.889	3751992.546	521.100
LOCATION VOL16	VOLUME	471452.606	3751994.132	529.960
LOCATION VOL17	VOLUME	471640.530	3751992.546	534.940
LOCATION VOL18	VOLUME	471827.661	3751967.965	533.000
LOCATION VOL19	VOLUME	472002.898	3751970.344	527.910
LOCATION VOL20	VOLUME	471845.105	3751780.041	538.850
LOCATION VOL21	VOLUME	471657.181	3751803.829	536.000
LOCATION VOL22	VOLUME	471468.465	3751806.208	528.300
LOCATION VOL23	VOLUME	471280.541	3751807.001	524.990
LOCATION VOL24	VOLUME	471093.410	3751841.890	515.600
LOCATION VOL25	VOLUME	470978.435	3751841.890	518.120
LOCATION VOL26	VOLUME	471014.117	3751654.759	520.370
LOCATION VOL27	VOLUME	471201.248	3751654.759	525.140
LOCATION VOL28	VOLUME	471389.172	3751619.077	534.860

LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL42	VOLUME	472135.642	3751845.064	525.790
LOCATION VOL43	VOLUME	472323.361	3751843.460	510.520
LOCATION VOL44	VOLUME	472512.544	3751852.284	501.450
LOCATION VOL45	VOLUME	472698.022	3751875.469	491.390
LOCATION VOL46	VOLUME	472880.772	3751928.657	487.900
LOCATION VOL47	VOLUME	472608.011	3752044.580	498.520
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810
LOCATION PAREA1	AREAPOLY	470984.533	3751406.024	515.330

** Source Parameters **

SRCPARAM VOL1	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL2	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL3	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL4	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL5	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL6	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL7	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL8	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL9	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL10	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL11	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL12	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL13	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL14	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL15	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL16	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL17	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL18	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL19	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL20	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL21	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL22	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL23	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL24	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL25	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL26	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL27	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL28	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL29	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL30	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL31	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL32	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL33	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL34	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL35	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL36	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL37	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL38	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL39	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL40	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL41	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL42	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL43	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL44	0.0005873338	5.000	43.702	1.400

SRCPARAM	VOL45	0.0005873338	5.000	43.702	1.400
SRCPARAM	VOL46	0.0005873338	5.000	43.702	1.400
SRCPARAM	VOL47	0.0005873338	5.000	43.702	1.400
SRCPARAM	VOL48	0.0005873338	5.000	43.702	1.400
SRCPARAM	PAREA1	5.9703E-07	0.000	33	1.000
AREAVERT	PAREA1	470984.533	3751406.024	470977.851	3751426.069
AREAVERT	PAREA1	470961.147	3751427.739	470880.967	3751684.984
AREAVERT	PAREA1	470872.615	3751733.426	470869.274	3751801.913
AREAVERT	PAREA1	470885.978	3751888.775	470912.705	3751970.626
AREAVERT	PAREA1	470962.818	3752102.589	470972.840	3752174.417
AREAVERT	PAREA1	470974.511	3752314.732	470999.567	3752316.403
AREAVERT	PAREA1	471001.237	3752498.478	471078.077	3752500.149
AREAVERT	PAREA1	471078.077	3752465.070	471701.143	3752466.740
AREAVERT	PAREA1	471702.814	3752436.673	472100.373	3752443.354
AREAVERT	PAREA1	472095.362	3751942.229	472521.319	3751948.910
AREAVERT	PAREA1	472517.978	3752139.338	472700.054	3752139.338
AREAVERT	PAREA1	472705.065	3751973.967	472935.583	3752014.057
AREAVERT	PAREA1	472963.980	3751842.003	472753.507	3751786.880
AREAVERT	PAREA1	472599.829	3751766.834	472369.311	3751755.142
AREAVERT	PAREA1	472160.508	3751753.471	472005.159	3751771.846
AREAVERT	PAREA1	471585.884	3751228.959	471189.995	3751228.959
AREAVERT	PAREA1	471083.088	3751419.387		
URBANSRC	ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL2	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL3	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0


```

** Sunday:
EMISFACT VOL47      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL47      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL47      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL47      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL48      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA1     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

```

SO FINISHED

```

**
*****

```

```

** AERMOD Receptor Pathway
*****
**
**

```

```

RE STARTING
  INCLUDED "14064 Cons PM10 Mit.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

RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "14064 CONS PM10 MIT.AD\24H1GALL.PLT" 31
SUMMFILE "14064 Cons PM10 Mit.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 915 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 915 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 49 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: PM_10

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 49 Source(s); 1 Source Group(s); and 233 Receptor(s)

with: 0 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)
 and: 48 VOLUME source(s)
 and: 1 AREA type source(s)
 and: 0 LINE source(s)
 and: 0 RLINE/RLINEXT source(s)
 and: 0 OPENPIT source(s)
 and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
 and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
 Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
 Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
 m for Missing Hours
 b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 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: 14064 Cons PM10

Mit.err

**File for Summary of Results: 14064 Cons PM10

Mit.sum

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR	VARY	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY						
VOL1	0	0.58733E-03	471175.5	3752366.4	510.2	5.00	43.70	1.40
YES	HRDOW							
VOL2	0	0.58733E-03	471362.2	3752367.6	512.4	5.00	43.70	1.40

YES	HRDOW								
VOL3		0	0.58733E-03	471550.1	3752368.4	518.9	5.00	43.70	1.40
YES	HRDOW								
VOL4		0	0.58733E-03	471609.6	3752371.6	516.0	5.00	43.70	1.40
YES	HRDOW								
VOL5		0	0.58733E-03	471796.7	3752342.2	515.1	5.00	43.70	1.40
YES	HRDOW								
VOL6		0	0.58733E-03	471984.7	3752344.6	513.6	5.00	43.70	1.40
YES	HRDOW								
VOL7		0	0.58733E-03	472003.7	3752347.0	512.1	5.00	43.70	1.40
YES	HRDOW								
VOL8		0	0.58733E-03	472002.9	3752159.1	521.6	5.00	43.70	1.40
YES	HRDOW								
VOL9		0	0.58733E-03	471814.2	3752156.7	520.7	5.00	43.70	1.40
YES	HRDOW								
VOL10		0	0.58733E-03	471628.6	3752181.3	526.8	5.00	43.70	1.40
YES	HRDOW								
VOL11		0	0.58733E-03	471440.7	3752181.3	527.4	5.00	43.70	1.40
YES	HRDOW								
VOL12		0	0.58733E-03	471253.6	3752180.5	518.9	5.00	43.70	1.40
YES	HRDOW								
VOL13		0	0.58733E-03	471092.6	3752217.7	509.6	5.00	43.70	1.40
YES	HRDOW								
VOL14		0	0.58733E-03	471074.4	3752029.0	516.1	5.00	43.70	1.40
YES	HRDOW								
VOL15		0	0.58733E-03	471263.9	3751992.5	521.1	5.00	43.70	1.40
YES	HRDOW								
VOL16		0	0.58733E-03	471452.6	3751994.1	530.0	5.00	43.70	1.40
YES	HRDOW								
VOL17		0	0.58733E-03	471640.5	3751992.5	534.9	5.00	43.70	1.40
YES	HRDOW								
VOL18		0	0.58733E-03	471827.7	3751968.0	533.0	5.00	43.70	1.40
YES	HRDOW								
VOL19		0	0.58733E-03	472002.9	3751970.3	527.9	5.00	43.70	1.40
YES	HRDOW								
VOL20		0	0.58733E-03	471845.1	3751780.0	538.8	5.00	43.70	1.40
YES	HRDOW								
VOL21		0	0.58733E-03	471657.2	3751803.8	536.0	5.00	43.70	1.40
YES	HRDOW								
VOL22		0	0.58733E-03	471468.5	3751806.2	528.3	5.00	43.70	1.40
YES	HRDOW								
VOL23		0	0.58733E-03	471280.5	3751807.0	525.0	5.00	43.70	1.40
YES	HRDOW								
VOL24		0	0.58733E-03	471093.4	3751841.9	515.6	5.00	43.70	1.40
YES	HRDOW								
VOL25		0	0.58733E-03	470978.4	3751841.9	518.1	5.00	43.70	1.40
YES	HRDOW								
VOL26		0	0.58733E-03	471014.1	3751654.8	520.4	5.00	43.70	1.40
YES	HRDOW								
VOL27		0	0.58733E-03	471201.2	3751654.8	525.1	5.00	43.70	1.40
YES	HRDOW								
VOL28		0	0.58733E-03	471389.2	3751619.1	534.9	5.00	43.70	1.40
YES	HRDOW								
VOL29		0	0.58733E-03	471577.9	3751616.7	529.0	5.00	43.70	1.40
YES	HRDOW								
VOL30		0	0.58733E-03	471724.6	3751620.7	533.8	5.00	43.70	1.40
YES	HRDOW								
VOL31		0	0.58733E-03	471941.0	3751865.7	534.6	5.00	43.70	1.40
YES	HRDOW								
VOL32		0	0.58733E-03	471795.2	3751684.9	537.3	5.00	43.70	1.40
YES	HRDOW								
VOL33		0	0.58733E-03	471577.9	3751434.3	531.1	5.00	43.70	1.40
YES	HRDOW								
VOL34		0	0.58733E-03	471390.0	3751431.9	537.3	5.00	43.70	1.40
YES	HRDOW								
VOL35		0	0.58733E-03	471202.0	3751467.6	526.8	5.00	43.70	1.40

PAREA1 0 0.59703E-06 470984.5 3751406.0 515.3 0.00 33 1.00

YES HRDOW

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL42	,	VOL43	,	VOL44	,	VOL45	,	VOL46	,
	VOL47	,	VOL48	,								

PAREA1

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID

URBAN POP

SOURCE IDs

	2189641.	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	
	VOL6	, VOL7	,									
VOL8	,											
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,

VOL39 , VOL40 ,
VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
VOL47 , VOL48 ,

PAREA1 ,

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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Campus\14064 Ops\140 *** 10/26/23
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
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Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

HR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR SCALAR SCALAR SCALAR SCALAR SCALAR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
*** 10:48:51

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :

HR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR SCALAR SCALAR SCALAR SCALAR SCALAR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
*** 10:48:51

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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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Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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Campus\14064 Ops\140 *** 10/26/23
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for WEEKDAY.

DAY OF WEEK = SATURDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for SATURDAY.

DAY OF WEEK = SUNDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for SUNDAY.

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for WEEKDAY.

DAY OF WEEK = SATURDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for SATURDAY.

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :

Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour
SCALAR Hour SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :

Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour SCALAR Hour
SCALAR Hour SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL31, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Weekday emission rate scalars for source VOL31, with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Saturday emission rate scalars for source VOL31, with values ranging from 0.0000E+00 to 0.0000E+00.

DAY OF WEEK = SUNDAY

Sunday emission rate scalars for source VOL31, with values ranging from 0.0000E+00 to 0.0000E+00.

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL32, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Weekday emission rate scalars for source VOL32, with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Saturday emission rate scalars for source VOL32, with values ranging from 0.0000E+00 to 0.0000E+00.

DAY OF WEEK = SUNDAY

Sunday emission rate scalars for source VOL32, with values ranging from 0.0000E+00 to 0.0000E+00.

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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(472283.7, 3752641.0, 492.6, 492.6, 2.0);	(472482.2, 3752398.0, 499.3, 499.3, 2.0);
(472478.0, 3752183.1, 505.1, 505.1, 2.0);	(472148.1, 3752531.5, 495.2, 502.0, 2.0);
(472052.1, 3752531.2, 499.4, 512.0, 2.0);	(471975.5, 3752531.2, 500.5, 514.0, 2.0);
(471896.1, 3752530.9, 503.4, 513.0, 2.0);	(471840.8, 3752529.9, 503.4, 513.0, 2.0);
(471816.6, 3752527.1, 500.6, 513.0, 2.0);	(471736.8, 3752557.9, 501.5, 501.5, 2.0);
(471696.6, 3752558.9, 500.0, 500.0, 2.0);	(471627.3, 3752556.2, 501.9, 512.0, 2.0);
(471584.6, 3752556.8, 504.5, 507.0, 2.0);	(471560.0, 3752556.2, 504.6, 507.0, 2.0);
(471534.3, 3752554.9, 503.2, 509.0, 2.0);	(471514.9, 3752554.9, 502.2, 519.0, 2.0);
(471486.8, 3752555.7, 503.1, 503.1, 2.0);	(471465.7, 3752555.4,

503.1,	503.1,	2.0);				
(471442.2,	3752555.0,	501.3,	505.0,	2.0);	(471419.7,	3752552.5,
500.3,	505.0,	2.0);				
(471394.2,	3752552.9,	501.4,	501.4,	2.0);	(471363.4,	3752552.5,
503.5,	503.5,	2.0);				
(471332.7,	3752553.3,	505.8,	505.8,	2.0);	(471307.6,	3752552.9,
506.9,	506.9,	2.0);				
(471284.0,	3752552.7,	506.2,	506.2,	2.0);	(471262.0,	3752552.7,
505.7,	505.7,	2.0);				
(471241.9,	3752552.7,	505.6,	505.6,	2.0);	(471223.1,	3752552.9,
505.9,	505.9,	2.0);				
(471205.9,	3752552.9,	506.2,	506.2,	2.0);	(471173.2,	3752552.4,
506.5,	506.5,	2.0);				
(471135.7,	3752552.5,	506.1,	506.1,	2.0);	(471093.2,	3752551.5,
505.4,	505.4,	2.0);				
(471059.4,	3752551.7,	504.7,	504.7,	2.0);	(471020.5,	3752551.2,
503.1,	503.1,	2.0);				
(470981.0,	3752563.6,	502.1,	502.1,	2.0);	(470980.4,	3752552.2,
502.5,	502.5,	2.0);				
(470980.1,	3752535.6,	503.0,	503.0,	2.0);	(470979.9,	3752517.2,
503.7,	503.7,	2.0);				
(470980.1,	3752499.8,	504.0,	504.0,	2.0);	(470980.2,	3752479.8,
504.0,	504.0,	2.0);				
(470980.4,	3752459.4,	504.6,	504.6,	2.0);	(470980.2,	3752433.2,
505.4,	505.4,	2.0);				
(470980.1,	3752404.0,	506.0,	506.0,	2.0);	(470927.1,	3752402.7,
504.9,	504.9,	2.0);				
(470907.9,	3752402.7,	503.1,	503.1,	2.0);	(470887.3,	3752402.7,
500.9,	505.0,	2.0);				
(470869.7,	3752402.0,	500.7,	500.7,	2.0);	(470849.6,	3752401.9,
500.3,	500.3,	2.0);				
(470829.4,	3752402.2,	500.0,	500.0,	2.0);	(470811.6,	3752402.2,
499.7,	499.7,	2.0);				
(470791.5,	3752402.5,	499.2,	499.2,	2.0);	(470773.6,	3752401.9,
498.6,	498.6,	2.0);				
(470749.2,	3752402.2,	497.8,	497.8,	2.0);	(470727.7,	3752391.7,
497.8,	497.8,	2.0);				
(470733.0,	3752339.0,	499.9,	499.9,	2.0);	(470733.7,	3752320.5,
500.2,	500.2,	2.0);				
(470734.2,	3752291.0,	500.8,	500.8,	2.0);	(470733.2,	3752265.8,
500.8,	500.8,	2.0);				
(470732.9,	3752218.8,	501.2,	501.2,	2.0);	(470732.5,	3752182.1,
501.8,	501.8,	2.0);				
(470732.4,	3752145.3,	503.0,	503.0,	2.0);	(470692.4,	3752144.8,
502.5,	502.5,	2.0);				
(470670.1,	3752144.5,	502.1,	502.1,	2.0);	(470651.7,	3752144.3,
502.0,	502.0,	2.0);				
(470633.5,	3752144.1,	501.5,	501.5,	2.0);	(470615.5,	3752144.0,
500.9,	500.9,	2.0);				
(470596.0,	3752143.3,	500.2,	500.2,	2.0);	(470577.0,	3752143.5,
500.0,	500.0,	2.0);				
(470553.6,	3752143.5,	499.7,	499.7,	2.0);	(470528.6,	3752142.6,
498.8,	498.8,	2.0);				
(470508.0,	3752142.8,	497.6,	497.6,	2.0);	(470485.6,	3752142.5,
496.3,	496.3,	2.0);				
(470471.6,	3752131.6,	496.1,	496.1,	2.0);	(470471.6,	3752109.2,
497.3,	497.3,	2.0);				
(470471.3,	3752085.2,	498.1,	498.1,	2.0);	(470471.5,	3752037.7,
499.7,	499.7,	2.0);				
(470471.7,	3752013.0,	500.0,	500.0,	2.0);	(470470.9,	3751987.2,
500.1,	500.1,	2.0);				
(470470.9,	3751965.7,	500.1,	500.1,	2.0);	(470470.8,	3751944.4,
500.1,	500.1,	2.0);				
(470470.6,	3751924.3,	499.6,	499.6,	2.0);	(470470.5,	3751905.9,
499.0,	499.0,	2.0);				
(470470.9,	3751884.1,	499.1,	499.1,	2.0);	(470470.6,	3751864.0,

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498.6,      498.6,      2.0);
( 470470.3, 3751844.0,    497.9,    497.9,      2.0);      ( 470470.2, 3751824.5,
496.6,      496.6,      2.0);
( 470470.3, 3751805.8,    495.7,    499.0,      2.0);      ( 470470.3, 3751788.0,
495.1,      502.0,      2.0);
( 470470.3, 3751761.2,    497.6,    497.6,      2.0);      ( 470471.0, 3751741.9,
499.5,      499.5,      2.0);

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***      10/26/23

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs:      RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 470470.0, 3751722.8,    501.4,    501.4,      2.0);      ( 470470.2, 3751703.4,
503.3,      503.3,      2.0);
( 470470.2, 3751683.8,    504.9,    504.9,      2.0);      ( 470470.3, 3751664.3,
506.2,      506.2,      2.0);
( 470470.3, 3751642.4,    507.6,    507.6,      2.0);      ( 470470.5, 3751621.8,
508.5,      508.5,      2.0);
( 470470.2, 3751599.8,    509.0,    509.0,      2.0);      ( 470470.6, 3751578.8,
509.1,      509.1,      2.0);
( 470469.6, 3751555.9,    507.6,    507.6,      2.0);      ( 470470.0, 3751512.5,
504.8,      512.0,      2.0);
( 470468.6, 3751414.6,    501.8,    513.0,      2.0);      ( 470469.8, 3751385.2,
507.1,      513.0,      2.0);
( 470468.6, 3751358.9,    509.6,    509.6,      2.0);      ( 470462.9, 3751325.6,
511.9,      511.9,      2.0);
( 470462.0, 3751310.6,    512.6,    512.6,      2.0);      ( 470462.6, 3751296.6,
512.4,      512.4,      2.0);
( 470462.6, 3751283.3,    512.0,    512.0,      2.0);      ( 470462.6, 3751269.9,
511.1,      511.1,      2.0);
( 470462.9, 3751254.3,    509.6,    512.0,      2.0);      ( 470462.0, 3751240.7,
508.9,      508.9,      2.0);
( 470463.2, 3751227.6,    509.4,    509.4,      2.0);      ( 470756.4, 3751290.6,
507.7,      525.0,      2.0);
( 470797.7, 3751268.3,    507.7,    525.0,      2.0);      ( 470891.2, 3751226.4,
512.0,      512.0,      2.0);
( 470940.8, 3751191.8,    512.1,    512.1,      2.0);      ( 471000.6, 3750923.6,
523.8,      523.8,      2.0);
( 471029.3, 3750923.6,    523.7,    523.7,      2.0);      ( 471056.3, 3750923.9,
524.2,      542.0,      2.0);
( 471077.9, 3750924.4,    524.8,    543.0,      2.0);      ( 471097.6, 3750924.4,
525.7,      543.0,      2.0);
( 471118.2, 3750925.0,    528.0,    543.0,      2.0);      ( 471139.0, 3750927.4,
529.8,      543.0,      2.0);
( 471160.1, 3750928.8,    530.8,    543.0,      2.0);      ( 471181.1, 3750931.5,
532.3,      543.0,      2.0);
( 471201.7, 3750930.9,    533.3,    543.0,      2.0);      ( 471222.5, 3750931.5,
533.7,      543.0,      2.0);
( 471244.1, 3750931.2,    534.8,    543.0,      2.0);      ( 471264.4, 3750931.7,
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( 471284.4, 3750931.7,    536.5,    536.5,      2.0);      ( 471305.8, 3750931.7,
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( 471324.7, 3750930.9,    535.8,    535.8,      2.0);      ( 471343.0, 3750930.1,
534.9,      534.9,      2.0);
( 471363.9, 3750929.0,    534.7,    534.7,      2.0);      ( 471382.0, 3750928.8,
534.8,      534.8,      2.0);
( 471400.9, 3750928.2,    535.0,    535.0,      2.0);      ( 471421.1, 3750928.0,
535.4,      535.4,      2.0);
( 471440.6, 3750928.1,    535.6,    535.6,      2.0);      ( 471461.8, 3750927.4,

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535.7,      535.7,      2.0);
( 471479.8, 3750927.9,      535.9,      535.9,      2.0);      ( 471499.7, 3750927.6,
536.2,      536.2,      2.0);
( 471519.3, 3750928.8,      536.6,      549.0,      2.0);      ( 471537.0, 3750929.6,
538.0,      549.0,      2.0);
( 471556.8, 3750930.9,      539.6,      549.0,      2.0);      ( 471580.7, 3750934.1,
541.7,      549.0,      2.0);
( 471624.0, 3750940.2,      545.0,      549.0,      2.0);      ( 471795.9, 3750950.1,
548.4,      548.4,      2.0);
( 471796.3, 3750967.9,      547.3,      547.3,      2.0);      ( 471796.7, 3750987.2,
545.3,      547.0,      2.0);
( 471797.5, 3751006.8,      542.7,      549.0,      2.0);      ( 471796.7, 3751025.3,
542.0,      547.0,      2.0);
( 471795.9, 3751046.4,      541.1,      541.1,      2.0);      ( 471796.7, 3751073.0,
540.1,      540.1,      2.0);
( 471797.5, 3751143.8,      537.7,      537.7,      2.0);      ( 471833.0, 3751143.8,
537.0,      537.0,      2.0);
( 471867.4, 3751144.0,      534.9,      534.9,      2.0);      ( 471891.0, 3751144.4,
532.9,      532.9,      2.0);
( 471916.6, 3751144.2,      530.9,      530.9,      2.0);      ( 471939.5, 3751144.2,
529.4,      529.4,      2.0);
( 471963.1, 3751144.4,      525.8,      535.0,      2.0);      ( 471984.2, 3751144.0,
524.4,      533.0,      2.0);
( 471999.0, 3751163.4,      525.3,      536.0,      2.0);      ( 472000.2, 3751199.1,
530.8,      530.8,      2.0);
( 471999.8, 3751230.6,      532.9,      532.9,      2.0);      ( 472000.4, 3751251.5,
534.3,      534.3,      2.0);
( 472000.2, 3751281.1,      536.2,      536.2,      2.0);      ( 472002.0, 3751347.9,
537.0,      537.0,      2.0);
( 472036.9, 3751348.5,      536.6,      536.6,      2.0);      ( 472063.1, 3751349.3,
536.5,      536.5,      2.0);
( 472084.6, 3751348.3,      535.8,      535.8,      2.0);      ( 472104.9, 3751348.7,
534.6,      534.6,      2.0);
( 472127.3, 3751348.5,      533.0,      533.0,      2.0);      ( 472150.8, 3751349.7,
531.4,      531.4,      2.0);
( 472171.5, 3751349.5,      530.3,      530.3,      2.0);      ( 472194.1, 3751349.1,
528.2,      531.0,      2.0);
( 472222.6, 3751348.7,      525.4,      536.0,      2.0);      ( 472247.8, 3751349.5,
523.2,      536.0,      2.0);
( 472269.7, 3751349.1,      520.9,      536.0,      2.0);      ( 472290.4, 3751350.3,
520.7,      535.0,      2.0);
( 472313.6, 3751350.5,      520.9,      532.0,      2.0);      ( 472333.8, 3751351.3,
520.6,      532.0,      2.0);

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***      10/26/23

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs:      RegDFAULT      CONC      ELEV      FLGPOL      URBAN      ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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```

( 472354.8, 3751351.3,      518.5,      532.0,      2.0);      ( 472377.7, 3751351.1,
516.0,      532.0,      2.0);
( 472401.7, 3751351.1,      513.6,      533.0,      2.0);      ( 472425.5, 3751351.8,
511.8,      532.0,      2.0);
( 472445.7, 3751350.7,      511.1,      532.0,      2.0);      ( 472463.2, 3751350.9,
509.4,      532.0,      2.0);
( 472484.1, 3751350.9,      507.3,      532.0,      2.0);      ( 472503.9, 3751351.3,
506.3,      532.0,      2.0);
( 472523.8, 3751351.3,      506.2,      531.0,      2.0);      ( 472543.3, 3751351.3,
506.4,      506.4,      2.0);
( 472563.2, 3751352.2,      506.1,      506.1,      2.0);      ( 472582.6, 3751352.0,

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78.	10.1	298.8	2.0											
12 01 01	1 12	184.7	0.337	1.516	0.005	668.	473.	-18.4	0.15	2.40	0.20	2.89		
68.	10.1	300.4	2.0											
12 01 01	1 13	183.9	0.310	1.809	0.005	1139.	414.	-14.2	0.15	2.40	0.20	2.57		
64.	10.1	302.5	2.0											
12 01 01	1 14	156.6	0.374	1.852	0.005	1434.	549.	-29.5	0.15	2.40	0.22	3.37		
63.	10.1	303.1	2.0											
12 01 01	1 15	104.3	0.382	1.658	0.005	1546.	567.	-47.2	0.15	2.40	0.25	3.59		
62.	10.1	302.5	2.0											
12 01 01	1 16	31.8	0.374	1.123	0.005	1573.	550.	-145.8	0.15	2.40	0.34	3.76		
69.	10.1	300.9	2.0											
12 01 01	1 17	-23.3	0.276	-9.000	-9.000	-999.	354.	84.0	0.15	2.40	0.62	3.03		
59.	10.1	297.5	2.0											
12 01 01	1 18	-21.5	0.229	-9.000	-9.000	-999.	264.	57.8	0.15	2.40	1.00	2.54		
54.	10.1	295.4	2.0											
12 01 01	1 19	-19.3	0.204	-9.000	-9.000	-999.	221.	45.6	0.15	2.40	1.00	2.27		
79.	10.1	292.0	2.0											
12 01 01	1 20	-20.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.15	2.40	1.00	2.42		
79.	10.1	292.5	2.0											
12 01 01	1 21	-19.7	0.206	-9.000	-9.000	-999.	225.	46.9	0.15	2.40	1.00	2.30		
95.	10.1	290.9	2.0											
12 01 01	1 22	-17.6	0.190	-9.000	-9.000	-999.	199.	39.8	0.15	2.40	1.00	2.13		
78.	10.1	290.4	2.0											
12 01 01	1 23	-20.3	0.211	-9.000	-9.000	-999.	233.	49.0	0.15	2.40	1.00	2.35		
52.	10.1	289.2	2.0											
12 01 01	1 24	-16.4	0.183	-9.000	-9.000	-999.	189.	37.0	0.15	2.40	1.00	2.06		
75.	10.1	288.8	2.0											

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
12	01	01	01	10.1	1	55.	2.93	288.2	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S):		VOL1	VOL2	
VOL3	VOL4	VOL5		
VOL6	VOL7	VOL8	VOL9	VOL10
VOL11	VOL12	VOL13		
VOL14	VOL15	VOL16	VOL17	VOL18
VOL19	VOL20	VOL21		
VOL22	VOL23	VOL24	VOL25	VOL26
VOL27	VOL28	. . .		

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
472283.74	3752640.98	0.32752	(13100924)	472482.23	
3752398.04	0.41926m	(13112124)			
472477.97	3752183.12	0.54166	(13121924)	472148.10	
3752531.53	0.53173	(13100924)			

472052.12	3752531.22	0.61912	(13100924)	471975.52
3752531.22	0.66011	(13100924)		
471896.06	3752530.90	0.68876	(13100924)	471840.76
3752529.94	0.69542	(13100924)		
471816.60	3752527.08	0.69244	(13100924)	471736.82
3752557.91	0.65019	(13100924)		
471696.59	3752558.87	0.64627	(13100924)	471627.29
3752556.22	0.66285	(13100924)		
471584.60	3752556.76	0.66445	(13100924)	471560.01
3752556.22	0.66020	(13100924)		
471534.35	3752554.87	0.65402	(16010624)	471514.89
3752554.87	0.65482	(16010624)		
471486.79	3752555.68	0.66222	(16010624)	471465.72
3752555.41	0.66669	(16010624)		
471442.21	3752554.98	0.66288	(16010624)	471419.71
3752552.46	0.66882	(16010624)		
471394.22	3752552.91	0.67411	(16010624)	471363.44
3752552.46	0.68760	(16010624)		
471332.68	3752553.31	0.69363	(16010624)	471307.62
3752552.94	0.69814	(16010624)		
471284.05	3752552.70	0.69571	(16010624)	471261.98
3752552.70	0.69257	(16010624)		
471241.90	3752552.70	0.69032	(16010624)	471223.15
3752552.86	0.68863	(16010624)		
471205.90	3752552.86	0.68727	(16010624)	471173.21
3752552.37	0.68635	(16010624)		
471135.70	3752552.53	0.68483	(16010624)	471093.22
3752551.54	0.68701	(16010624)		
471059.37	3752551.70	0.69412	(16010624)	471020.54
3752551.20	0.69762	(16010624)		
470981.05	3752563.65	0.60360	(16010524)	470980.39
3752552.20	0.65136	(16010524)		
470980.06	3752535.61	0.73168	(16010524)	470979.89
3752517.19	0.83341	(16010524)		
470980.06	3752499.76	0.93859	(14121224)	470980.22
3752479.85	1.01072	(14121224)		
470980.39	3752459.44	1.05313	(14121224)	470980.22
3752433.22	1.08956	(14121224)		
470980.06	3752404.02	1.16838	(12121324)	470927.12
3752402.69	0.76038	(14121224)		
470907.87	3752402.69	0.68781	(14121224)	470887.30
3752402.69	0.62521	(14121224)		
470869.71	3752402.03	0.58608	(14121224)	470849.63
3752401.86	0.54555	(14121224)		
470829.39	3752402.19	0.50892	(14121224)	470811.63
3752402.19	0.48028	(14121224)		
470791.55	3752402.53	0.45091	(14121224)	470773.63
3752401.86	0.42764	(14121224)		
470749.24	3752402.19	0.39898	(14121224)	470727.72
3752391.74	0.38071	(14121224)		
470733.04	3752338.97	0.40343	(14121224)	470733.70
3752320.55	0.40896	(14121224)		
470734.20	3752291.01	0.41717	(14121224)	470733.20
3752265.78	0.42597	(15112724)		
470732.87	3752218.81	0.44775	(15112724)	470732.54
3752182.14	0.46273	(15112724)		
470732.37	3752145.29	0.47784	(15112724)	470692.38
3752144.80	0.43222	(15112724)		
470670.14	3752144.46	0.41030	(15112724)	470651.72
3752144.30	0.39366	(15112724)		
470633.46	3752144.13	0.37834	(15112724)	470615.54
3752143.97	0.36435	(15112724)		
470595.95	3752143.30	0.35026	(15112724)	470577.03
3752143.47	0.33734	(15112724)		
470553.63	3752143.47	0.32254	(15112724)	470528.57
3752142.64	0.30815	(15112724)		

470507.99	3752142.80	0.29693	(15112724)	470485.59
3752142.47	0.28563	(15112724)		
470471.60	3752131.63	0.28168	(15112724)	470471.60
3752109.21	0.28732	(15112724)		
470471.32	3752085.22	0.29303	(15112724)	470471.46
3752037.68	0.30394	(15112724)		
470471.74	3752013.00	0.30927	(15112724)	470470.89
3751987.18	0.31383	(15112724)		
470470.89	3751965.74	0.31763	(15112724)	470470.75
3751944.44	0.32096	(15112724)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN
 MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			

470470.61	3751924.27	0.32374	(15112724)	470470.47
3751905.93	0.32590	(15112724)		
470470.89	3751884.06	0.32835	(15112724)	470470.61
3751864.03	0.32969	(15112724)		
470470.33	3751844.00	0.33046	(15112724)	470470.19
3751824.53	0.33066	(15112724)		
470470.33	3751805.77	0.33050	(15112724)	470470.33
3751788.00	0.32980	(15112724)		
470470.33	3751761.19	0.32836	(15112724)	470471.03
3751741.87	0.32691	(15112724)		
470470.05	3751722.82	0.32372	(15112724)	470470.19
3751703.36	0.32043	(15112724)		
470470.19	3751683.75	0.31855	(14121624)	470470.33
3751664.28	0.31699	(14121624)		
470470.33	3751642.41	0.31445	(14121624)	470470.47
3751621.82	0.31156	(14121624)		
470470.19	3751599.81	0.31209c	(14123024)	470470.61
3751578.79	0.31684c	(14123024)		
470469.62	3751555.94	0.32001c	(14123024)	470470.05
3751512.49	0.32557c	(14123024)		
470468.64	3751414.59	0.32603c	(14123024)	470469.76
3751385.25	0.32508c	(14123024)		
470468.65	3751358.95	0.32145c	(14123024)	470462.93
3751325.56	0.31320c	(14123024)		
470461.98	3751310.62	0.31064	(13012524)	470462.61
3751296.63	0.31147	(13012524)		
470462.61	3751283.28	0.31185	(13012524)	470462.61
3751269.92	0.31199	(13012524)		

470462.93	3751254.35	0.31194	(13012524)	470461.98
3751240.67	0.31146	(13012524)		
470463.25	3751227.64	0.31169	(13012524)	470756.39
3751290.59	0.61726	(12121324)		
470797.72	3751268.33	0.65754	(12121324)	470891.19
3751226.38	0.72529	(12121324)		
470940.78	3751191.82	0.70680	(12121324)	471000.61
3750923.63	0.45855	(12121324)		
471029.26	3750923.63	0.46430	(12121324)	471056.29
3750923.90	0.46645	(12121324)		
471077.91	3750924.44	0.46578	(12121324)	471097.64
3750924.44	0.46299	(12121324)		
471118.18	3750924.98	0.45768	(12121324)	471138.99
3750927.42	0.45369	(12121324)		
471160.07	3750928.77	0.44928	(12121324)	471181.15
3750931.47	0.44607	(12121324)		
471201.69	3750930.93	0.44034	(12121324)	471222.50
3750931.47	0.43493	(12121324)		
471244.13	3750931.20	0.42720	(12121324)	471264.40
3750931.74	0.41970	(12121324)		
471284.40	3750931.74	0.41143	(12121324)	471305.75
3750931.74	0.40277	(12121324)		
471324.67	3750930.93	0.39432	(12121324)	471343.05
3750930.12	0.38937m	(14123124)		
471363.86	3750929.04	0.38375m	(14123124)	471381.96
3750928.77	0.37693m	(14123124)		
471400.88	3750928.23	0.36667m	(14123124)	471421.15
3750927.96	0.35470	(15122824)		
471440.59	3750928.11	0.36034	(15122824)	471461.83
3750927.45	0.36544	(15122824)		
471479.76	3750927.95	0.36996	(15122824)	471499.68
3750927.62	0.37368	(15122824)		
471519.26	3750928.78	0.37804	(15122824)	471537.02
3750929.61	0.38009	(15122824)		
471556.77	3750930.94	0.38189	(15122824)	471580.68
3750934.09	0.38399	(15122824)		
471624.00	3750940.23	0.38242	(15122824)	471795.90
3750950.11	0.32844	(15122824)		
471796.29	3750967.88	0.34033	(15122824)	471796.69
3750987.22	0.35514	(15122824)		
471797.47	3751006.75	0.37185	(15122824)	471796.69
3751025.30	0.38708	(15122824)		
471795.90	3751046.40	0.40541	(15122824)	471796.69
3751072.96	0.42860	(15122824)		
471797.47	3751143.85	0.49642	(15122824)	471833.01
3751143.85	0.46357	(15122824)		
471867.38	3751144.05	0.43660	(15122824)	471891.02
3751144.44	0.42036	(15122824)		
471916.60	3751144.24	0.40287	(15122824)	471939.45
3751144.24	0.38756	(15122824)		
471963.08	3751144.44	0.37545	(15122824)	471984.17
3751144.05	0.36233	(15122824)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

	INCLUDING SOURCE(S):	VOL1	, VOL2	,
	VOL3	, VOL4	, VOL5	,
VOL6	, VOL7	, VOL8	, VOL9	, VOL10
VOL11	, VOL12	, VOL13	,	

VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
471999.02	3751163.38	0.35991	(15122824)	472000.19	
3751199.12	0.36805	(15122824)			
471999.80	3751230.56	0.38025	(15122824)	472000.38	
3751251.46	0.38801	(15122824)			
472000.19	3751281.15	0.40203	(13112024)	472001.95	
3751347.94	0.45753	(13112024)			
472036.90	3751348.52	0.42900	(13112024)	472063.07	
3751349.31	0.41033	(13112024)			
472084.56	3751348.33	0.39633	(13112024)	472104.87	
3751348.72	0.38601	(13112024)			
472127.33	3751348.52	0.37556	(13112024)	472150.76	
3751349.70	0.36656	(13112024)			
472171.47	3751349.50	0.35811	(13112024)	472194.12	
3751349.11	0.35094	(13112024)			
472222.63	3751348.72	0.34323	(13112024)	472247.83	
3751349.50	0.33769	(13112024)			
472269.70	3751349.11	0.33371	(13112024)	472290.40	
3751350.28	0.32824	(13112024)			
472313.64	3751350.48	0.32163	(13112024)	472333.76	
3751351.26	0.31735	(13112024)			
472354.85	3751351.26	0.31559	(13112024)	472377.70	
3751351.06	0.31464	(13112024)			
472401.72	3751351.06	0.31369	(13112024)	472425.55	
3751351.84	0.30968	(13112024)			
472445.67	3751350.67	0.30537	(13112024)	472463.24	
3751350.87	0.30232	(13112024)			
472484.14	3751350.87	0.29844	(13112024)	472503.87	
3751351.26	0.29459	(13112024)			
472523.79	3751351.26	0.29022	(13112024)	472543.32	
3751351.26	0.28574	(13112024)			
472563.24	3751352.24	0.28151	(13112024)	472582.57	
3751352.04	0.27685	(13112024)			
472601.32	3751352.04	0.27243	(13112024)	472606.79	
3751367.27	0.27718	(13112024)			
472607.57	3751396.37	0.28912	(13112024)	472608.55	
3751432.11	0.30549	(13112024)			
472608.94	3751462.58	0.32194	(13112024)	472609.52	
3751497.15	0.34389	(13112024)			
472610.70	3751553.78	0.39270	(13112024)	472665.97	
3751553.98	0.37615	(13112024)			
472690.38	3751553.59	0.36950	(13112024)	472713.50	
3751554.27	0.36506	(13112024)			
472734.64	3751554.04	0.36062	(13112024)	472759.46	
3751554.04	0.35603	(13112024)			
472781.75	3751554.50	0.35240	(13112024)	472849.76	
3751556.11	0.33876	(13112024)			
472871.82	3751556.11	0.33181	(13112024)	472895.25	
3751555.65	0.32312	(13112024)			
472922.60	3751555.88	0.31335	(13112024)	473092.41	
3751802.31	0.60296	(12042324)			
473204.80	3751856.81	0.49004	(13111924)	472991.21	
3752083.31	0.53068m	(13112124)			

473295.12	3752052.49	0.33937m	(13112124)	473356.76
3752050.34	0.29762	(15042424)		
473495.10	3751996.58	0.27042	(15042424)	473486.50
3751917.74	0.28226	(12050124)		
473392.60	3752058.22	0.28230	(13020524)	473464.28
3752082.59	0.26074	(13020524)		
473550.29	3752087.61	0.24283	(13020524)	473584.69
3752089.76	0.23675	(13020524)		
472765.59	3752474.09	0.30541m	(13112124)	470432.16
3750483.93	0.25385	(12121324)		
469244.06	3754182.82	0.06355	(16091624)	469596.75
3750785.65	0.20761	(13012524)		
470466.55	3750530.27	0.26275	(12121324)	469319.29
3749244.53	0.09536	(12010224)		
469229.64	3749502.19	0.09428	(12010324)	468465.38
3749582.33	0.12493	(13012524)		
471438.37	3750129.76	0.12546	(16011524)	471657.54
3749918.78	0.11755	(15122824)		
471732.91	3749916.52	0.11795	(15122824)	471710.30
3750132.80	0.13788	(15122824)		
471273.89	3750119.77	0.11543	(16011524)	

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM₁₀ IN MICROGRAMS/M³ **

GROUP ID	ZELEV, ZHILL, ZFLAG	OF TYPE	AVERAGE CONC	DATE	RECEPTOR	NETWORK
		GRID-ID	(YYMMDDHH)		(XR, YR,	
ALL	HIGH	1ST HIGH VALUE IS	1.16838	ON 12121324:	AT (470980.06,	3752404.02,
506.00,	506.00,	2.00)	DC			

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 915 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 915 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```
** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 10/26/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\LSTs\14064 Cons PM25 Mit\14064
Cons PM25 Mit.ADI
**
```

```
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
```

```
CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2189641 Riverside_County
POLLUTID PM_2.5
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14064 Cons PM25 Mit.err"
```

```
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
```

```
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
```

LOCATION	VOL	VOLUME	X Coord.	Y Coord.
LOCATION VOL1		471175.473	3752366.407	510.210
LOCATION VOL2		471362.212	3752367.600	512.450
LOCATION VOL3		471550.136	3752368.393	518.920
LOCATION VOL4		471609.606	3752371.565	516.010
LOCATION VOL5		471796.736	3752342.227	515.100
LOCATION VOL6		471984.660	3752344.605	513.590
LOCATION VOL7		472003.690	3752346.984	512.090
LOCATION VOL8		472002.898	3752159.060	521.590
LOCATION VOL9		471814.181	3752156.682	520.730
LOCATION VOL10		471628.636	3752181.262	526.790
LOCATION VOL11		471440.712	3752181.262	527.380
LOCATION VOL12		471253.581	3752180.469	518.870
LOCATION VOL13		471092.617	3752217.737	509.620
LOCATION VOL14		471074.380	3752029.020	516.070
LOCATION VOL15		471263.889	3751992.546	521.100
LOCATION VOL16		471452.606	3751994.132	529.960
LOCATION VOL17		471640.530	3751992.546	534.940
LOCATION VOL18		471827.661	3751967.965	533.000
LOCATION VOL19		472002.898	3751970.344	527.910
LOCATION VOL20		471845.105	3751780.041	538.850
LOCATION VOL21		471657.181	3751803.829	536.000
LOCATION VOL22		471468.465	3751806.208	528.300
LOCATION VOL23		471280.541	3751807.001	524.990
LOCATION VOL24		471093.410	3751841.890	515.600
LOCATION VOL25		470978.435	3751841.890	518.120
LOCATION VOL26		471014.117	3751654.759	520.370
LOCATION VOL27		471201.248	3751654.759	525.140
LOCATION VOL28		471389.172	3751619.077	534.860

LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL42	VOLUME	472135.642	3751845.064	525.790
LOCATION VOL43	VOLUME	472323.361	3751843.460	510.520
LOCATION VOL44	VOLUME	472512.544	3751852.284	501.450
LOCATION VOL45	VOLUME	472698.022	3751875.469	491.390
LOCATION VOL46	VOLUME	472880.772	3751928.657	487.900
LOCATION VOL47	VOLUME	472608.011	3752044.580	498.520
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810
LOCATION PAREA1	AREAPOLY	470984.533	3751406.024	515.330

** Source Parameters **

SRCPARAM VOL1	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL2	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL3	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL4	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL5	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL6	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL7	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL8	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL9	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL10	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL11	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL12	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL13	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL14	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL15	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL16	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL17	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL18	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL19	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL20	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL21	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL22	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL23	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL24	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL25	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL26	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL27	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL28	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL29	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL30	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL31	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL32	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL33	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL34	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL35	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL36	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL37	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL38	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL39	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL40	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL41	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL42	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL43	0.0005873338	5.000	43.702	1.400
SRCPARAM VOL44	0.0005873338	5.000	43.702	1.400

SRCPARAM	VOL45	0.0005873338	5.000	43.702	1.400
SRCPARAM	VOL46	0.0005873338	5.000	43.702	1.400
SRCPARAM	VOL47	0.0005873338	5.000	43.702	1.400
SRCPARAM	VOL48	0.0005873338	5.000	43.702	1.400
SRCPARAM	PAREA1	1.8916E-07	0.000	33	1.000
AREAVERT	PAREA1	470984.533	3751406.024	470977.851	3751426.069
AREAVERT	PAREA1	470961.147	3751427.739	470880.967	3751684.984
AREAVERT	PAREA1	470872.615	3751733.426	470869.274	3751801.913
AREAVERT	PAREA1	470885.978	3751888.775	470912.705	3751970.626
AREAVERT	PAREA1	470962.818	3752102.589	470972.840	3752174.417
AREAVERT	PAREA1	470974.511	3752314.732	470999.567	3752316.403
AREAVERT	PAREA1	471001.237	3752498.478	471078.077	3752500.149
AREAVERT	PAREA1	471078.077	3752465.070	471701.143	3752466.740
AREAVERT	PAREA1	471702.814	3752436.673	472100.373	3752443.354
AREAVERT	PAREA1	472095.362	3751942.229	472521.319	3751948.910
AREAVERT	PAREA1	472517.978	3752139.338	472700.054	3752139.338
AREAVERT	PAREA1	472705.065	3751973.967	472935.583	3752014.057
AREAVERT	PAREA1	472963.980	3751842.003	472753.507	3751786.880
AREAVERT	PAREA1	472599.829	3751766.834	472369.311	3751755.142
AREAVERT	PAREA1	472160.508	3751753.471	472005.159	3751771.846
AREAVERT	PAREA1	471585.884	3751228.959	471189.995	3751228.959
AREAVERT	PAREA1	471083.088	3751419.387		
URBANSRC	ALL				

** Variable Emissions Type: "By Hour / Day (HRDOW)"

** Variable Emission Scenario: "Scenario 1"

** WeekDays:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL1	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL1	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL2	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Sunday:

EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL2	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** WeekDays:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	1.0	1.0	1.0	1.0
EMISFACT	VOL3	HRDOW	1.0	1.0	1.0	1.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0

** Saturday:

EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0
EMISFACT	VOL3	HRDOW	0.0	0.0	0.0	0.0	0.0	0.0


```

** Sunday:
EMISFACT VOL47      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL47      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL47      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL47      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT VOL48      HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT VOL48      HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
EMISFACT PAREA1     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT PAREA1     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
SRCGROUP ALL

```

SO FINISHED

```

**
*****

```

```

** AERMOD Receptor Pathway
*****

```

```

**
**

```

```

RE STARTING
  INCLUDED "14064 Cons PM25 Mit.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

RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "14064 CONS PM25 MIT.AD\24H1GALL.PLT" 31
SUMMFILE "14064 Cons PM25 Mit.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 915 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 915 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 49 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: PM_2.5

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 49 Source(s); 1 Source Group(s); and 233 Receptor(s)

with: 0 POINT(s), including
 0 POINTCAP(s) and 0 POINTHOR(s)
 and: 48 VOLUME source(s)
 and: 1 AREA type source(s)
 and: 0 LINE source(s)
 and: 0 RLINE/RLINEXT source(s)
 and: 0 OPENPIT source(s)
 and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
 and: 0 SWPOINT source(s)

**Model Set To Continue RUNNING After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
 Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
 Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
 m for Missing Hours
 b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 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: 14064 Cons PM25

Mit.err

**File for Summary of Results: 14064 Cons PM25

Mit.sum

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	
(METERS)	CATS.	BY						
VOL1	0	0.58733E-03	471175.5	3752366.4	510.2	5.00	43.70	1.40
YES	HRDOW							
VOL2	0	0.58733E-03	471362.2	3752367.6	512.4	5.00	43.70	1.40

YES	HRDOW								
VOL3		0	0.58733E-03	471550.1	3752368.4	518.9	5.00	43.70	1.40
YES	HRDOW								
VOL4		0	0.58733E-03	471609.6	3752371.6	516.0	5.00	43.70	1.40
YES	HRDOW								
VOL5		0	0.58733E-03	471796.7	3752342.2	515.1	5.00	43.70	1.40
YES	HRDOW								
VOL6		0	0.58733E-03	471984.7	3752344.6	513.6	5.00	43.70	1.40
YES	HRDOW								
VOL7		0	0.58733E-03	472003.7	3752347.0	512.1	5.00	43.70	1.40
YES	HRDOW								
VOL8		0	0.58733E-03	472002.9	3752159.1	521.6	5.00	43.70	1.40
YES	HRDOW								
VOL9		0	0.58733E-03	471814.2	3752156.7	520.7	5.00	43.70	1.40
YES	HRDOW								
VOL10		0	0.58733E-03	471628.6	3752181.3	526.8	5.00	43.70	1.40
YES	HRDOW								
VOL11		0	0.58733E-03	471440.7	3752181.3	527.4	5.00	43.70	1.40
YES	HRDOW								
VOL12		0	0.58733E-03	471253.6	3752180.5	518.9	5.00	43.70	1.40
YES	HRDOW								
VOL13		0	0.58733E-03	471092.6	3752217.7	509.6	5.00	43.70	1.40
YES	HRDOW								
VOL14		0	0.58733E-03	471074.4	3752029.0	516.1	5.00	43.70	1.40
YES	HRDOW								
VOL15		0	0.58733E-03	471263.9	3751992.5	521.1	5.00	43.70	1.40
YES	HRDOW								
VOL16		0	0.58733E-03	471452.6	3751994.1	530.0	5.00	43.70	1.40
YES	HRDOW								
VOL17		0	0.58733E-03	471640.5	3751992.5	534.9	5.00	43.70	1.40
YES	HRDOW								
VOL18		0	0.58733E-03	471827.7	3751968.0	533.0	5.00	43.70	1.40
YES	HRDOW								
VOL19		0	0.58733E-03	472002.9	3751970.3	527.9	5.00	43.70	1.40
YES	HRDOW								
VOL20		0	0.58733E-03	471845.1	3751780.0	538.8	5.00	43.70	1.40
YES	HRDOW								
VOL21		0	0.58733E-03	471657.2	3751803.8	536.0	5.00	43.70	1.40
YES	HRDOW								
VOL22		0	0.58733E-03	471468.5	3751806.2	528.3	5.00	43.70	1.40
YES	HRDOW								
VOL23		0	0.58733E-03	471280.5	3751807.0	525.0	5.00	43.70	1.40
YES	HRDOW								
VOL24		0	0.58733E-03	471093.4	3751841.9	515.6	5.00	43.70	1.40
YES	HRDOW								
VOL25		0	0.58733E-03	470978.4	3751841.9	518.1	5.00	43.70	1.40
YES	HRDOW								
VOL26		0	0.58733E-03	471014.1	3751654.8	520.4	5.00	43.70	1.40
YES	HRDOW								
VOL27		0	0.58733E-03	471201.2	3751654.8	525.1	5.00	43.70	1.40
YES	HRDOW								
VOL28		0	0.58733E-03	471389.2	3751619.1	534.9	5.00	43.70	1.40
YES	HRDOW								
VOL29		0	0.58733E-03	471577.9	3751616.7	529.0	5.00	43.70	1.40
YES	HRDOW								
VOL30		0	0.58733E-03	471724.6	3751620.7	533.8	5.00	43.70	1.40
YES	HRDOW								
VOL31		0	0.58733E-03	471941.0	3751865.7	534.6	5.00	43.70	1.40
YES	HRDOW								
VOL32		0	0.58733E-03	471795.2	3751684.9	537.3	5.00	43.70	1.40
YES	HRDOW								
VOL33		0	0.58733E-03	471577.9	3751434.3	531.1	5.00	43.70	1.40
YES	HRDOW								
VOL34		0	0.58733E-03	471390.0	3751431.9	537.3	5.00	43.70	1.40
YES	HRDOW								
VOL35		0	0.58733E-03	471202.0	3751467.6	526.8	5.00	43.70	1.40

PAREA1 0 0.18916E-06 470984.5 3751406.0 515.3 0.00 33 1.00

YES HRDOW

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL42	,	VOL43	,	VOL44	,	VOL45	,	VOL46	,
	VOL47	,	VOL48	,								

PAREA1

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID

URBAN POP

SOURCE IDs

	2189641.	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	
	VOL6	, VOL7	,									
VOL8	,											
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,

VOL39 , VOL40 ,
VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 ,
VOL47 , VOL48 ,

PAREA1 ,

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL6 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL7 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00
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Campus\14064 Ops\140 *** 10/26/23
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL11 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14

.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL12 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

HR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL14 ; SOURCE TYPE = VOLUME :

HR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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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Campus\14064 Ops\140 *** 10/26/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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Campus\14064 Ops\140 *** 10/26/23
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL18 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL19 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL20 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK

(HRDOW) *

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for WEEKDAY.

DAY OF WEEK = SATURDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for SATURDAY.

DAY OF WEEK = SUNDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for SUNDAY.

*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL25 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for WEEKDAY.

DAY OF WEEK = SATURDAY

Table with 12 columns (HOUR, SCALAR) and 24 rows of data for SATURDAY.

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL26 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL27 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00

.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL28 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL29 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL30 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL31 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL31, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekdays (Days 1-7), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturdays (Days 8-14), with values all set to 0.0000E+00.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sundays (Days 15-21), with values all set to 0.0000E+00.

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL32 ; SOURCE TYPE = VOLUME :

Hourly emission rate scalars for source VOL32, showing columns for HOUR and SCALAR for each day of the week.

DAY OF WEEK = WEEKDAY

Hourly emission rate scalars for Weekdays (Days 1-7), with values ranging from 0.0000E+00 to 0.1000E+01.

DAY OF WEEK = SATURDAY

Hourly emission rate scalars for Saturdays (Days 8-14), with values all set to 0.0000E+00.

DAY OF WEEK = SUNDAY

Hourly emission rate scalars for Sundays (Days 15-21), with values all set to 0.0000E+00.

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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14

.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL35 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL36 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL37 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL40 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Sunday.

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL41 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Weekday.

DAY OF WEEK = SATURDAY

Table with 12 columns (1-12) and 6 rows of scalar values for Saturday.

DAY OF WEEK = SUNDAY

Table with 12 columns (1-12) and 1 row of scalar values for Sunday.

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL42 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL43 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL44 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL48 ; SOURCE TYPE = VOLUME :
 HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
 SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
 .1000E+01 15 .1000E+01 16 .1000E+01
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SATURDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
 .0000E+00 7 .0000E+00 8 .0000E+00
 9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
 .0000E+00 15 .0000E+00 16 .0000E+00
 17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
 .0000E+00 23 .0000E+00 24 .0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
(HRDOW) *

SOURCE ID = PAREA1 ; SOURCE TYPE = AREAPOLY :

SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR
--------	------	--------	------	--------	------	--------	------	--------	------	--------	------

DAY OF WEEK = WEEKDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01
13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SATURDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00
13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00
19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(472283.7, 3752641.0, 492.6, 492.6, 2.0);	(472482.2, 3752398.0, 499.3, 499.3, 2.0);
(472478.0, 3752183.1, 505.1, 505.1, 2.0);	(472148.1, 3752531.5, 495.2, 502.0, 2.0);
(472052.1, 3752531.2, 499.4, 512.0, 2.0);	(471975.5, 3752531.2, 500.5, 514.0, 2.0);
(471896.1, 3752530.9, 503.4, 513.0, 2.0);	(471840.8, 3752529.9, 503.4, 513.0, 2.0);
(471816.6, 3752527.1, 500.6, 513.0, 2.0);	(471736.8, 3752557.9, 501.5, 501.5, 2.0);
(471696.6, 3752558.9, 500.0, 500.0, 2.0);	(471627.3, 3752556.2, 501.9, 512.0, 2.0);
(471584.6, 3752556.8, 504.5, 507.0, 2.0);	(471560.0, 3752556.2, 504.6, 507.0, 2.0);
(471534.3, 3752554.9, 503.2, 509.0, 2.0);	(471514.9, 3752554.9, 502.2, 519.0, 2.0);
(471486.8, 3752555.7, 503.1, 503.1, 2.0);	(471465.7, 3752555.4,

503.1,	503.1,	2.0);			
(471442.2,	3752555.0,	501.3,	505.0,	2.0);	(471419.7, 3752552.5,
500.3,	505.0,	2.0);			
(471394.2,	3752552.9,	501.4,	501.4,	2.0);	(471363.4, 3752552.5,
503.5,	503.5,	2.0);			
(471332.7,	3752553.3,	505.8,	505.8,	2.0);	(471307.6, 3752552.9,
506.9,	506.9,	2.0);			
(471284.0,	3752552.7,	506.2,	506.2,	2.0);	(471262.0, 3752552.7,
505.7,	505.7,	2.0);			
(471241.9,	3752552.7,	505.6,	505.6,	2.0);	(471223.1, 3752552.9,
505.9,	505.9,	2.0);			
(471205.9,	3752552.9,	506.2,	506.2,	2.0);	(471173.2, 3752552.4,
506.5,	506.5,	2.0);			
(471135.7,	3752552.5,	506.1,	506.1,	2.0);	(471093.2, 3752551.5,
505.4,	505.4,	2.0);			
(471059.4,	3752551.7,	504.7,	504.7,	2.0);	(471020.5, 3752551.2,
503.1,	503.1,	2.0);			
(470981.0,	3752563.6,	502.1,	502.1,	2.0);	(470980.4, 3752552.2,
502.5,	502.5,	2.0);			
(470980.1,	3752535.6,	503.0,	503.0,	2.0);	(470979.9, 3752517.2,
503.7,	503.7,	2.0);			
(470980.1,	3752499.8,	504.0,	504.0,	2.0);	(470980.2, 3752479.8,
504.0,	504.0,	2.0);			
(470980.4,	3752459.4,	504.6,	504.6,	2.0);	(470980.2, 3752433.2,
505.4,	505.4,	2.0);			
(470980.1,	3752404.0,	506.0,	506.0,	2.0);	(470927.1, 3752402.7,
504.9,	504.9,	2.0);			
(470907.9,	3752402.7,	503.1,	503.1,	2.0);	(470887.3, 3752402.7,
500.9,	505.0,	2.0);			
(470869.7,	3752402.0,	500.7,	500.7,	2.0);	(470849.6, 3752401.9,
500.3,	500.3,	2.0);			
(470829.4,	3752402.2,	500.0,	500.0,	2.0);	(470811.6, 3752402.2,
499.7,	499.7,	2.0);			
(470791.5,	3752402.5,	499.2,	499.2,	2.0);	(470773.6, 3752401.9,
498.6,	498.6,	2.0);			
(470749.2,	3752402.2,	497.8,	497.8,	2.0);	(470727.7, 3752391.7,
497.8,	497.8,	2.0);			
(470733.0,	3752339.0,	499.9,	499.9,	2.0);	(470733.7, 3752320.5,
500.2,	500.2,	2.0);			
(470734.2,	3752291.0,	500.8,	500.8,	2.0);	(470733.2, 3752265.8,
500.8,	500.8,	2.0);			
(470732.9,	3752218.8,	501.2,	501.2,	2.0);	(470732.5, 3752182.1,
501.8,	501.8,	2.0);			
(470732.4,	3752145.3,	503.0,	503.0,	2.0);	(470692.4, 3752144.8,
502.5,	502.5,	2.0);			
(470670.1,	3752144.5,	502.1,	502.1,	2.0);	(470651.7, 3752144.3,
502.0,	502.0,	2.0);			
(470633.5,	3752144.1,	501.5,	501.5,	2.0);	(470615.5, 3752144.0,
500.9,	500.9,	2.0);			
(470596.0,	3752143.3,	500.2,	500.2,	2.0);	(470577.0, 3752143.5,
500.0,	500.0,	2.0);			
(470553.6,	3752143.5,	499.7,	499.7,	2.0);	(470528.6, 3752142.6,
498.8,	498.8,	2.0);			
(470508.0,	3752142.8,	497.6,	497.6,	2.0);	(470485.6, 3752142.5,
496.3,	496.3,	2.0);			
(470471.6,	3752131.6,	496.1,	496.1,	2.0);	(470471.6, 3752109.2,
497.3,	497.3,	2.0);			
(470471.3,	3752085.2,	498.1,	498.1,	2.0);	(470471.5, 3752037.7,
499.7,	499.7,	2.0);			
(470471.7,	3752013.0,	500.0,	500.0,	2.0);	(470470.9, 3751987.2,
500.1,	500.1,	2.0);			
(470470.9,	3751965.7,	500.1,	500.1,	2.0);	(470470.8, 3751944.4,
500.1,	500.1,	2.0);			
(470470.6,	3751924.3,	499.6,	499.6,	2.0);	(470470.5, 3751905.9,
499.0,	499.0,	2.0);			
(470470.9,	3751884.1,	499.1,	499.1,	2.0);	(470470.6, 3751864.0,

```

498.6,      498.6,      2.0);
( 470470.3, 3751844.0, 497.9, 497.9, 2.0); ( 470470.2, 3751824.5,
496.6,      496.6,      2.0);
( 470470.3, 3751805.8, 495.7, 499.0, 2.0); ( 470470.3, 3751788.0,
495.1,      502.0,      2.0);
( 470470.3, 3751761.2, 497.6, 497.6, 2.0); ( 470471.0, 3751741.9,
499.5,      499.5,      2.0);

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

```

( 470470.0, 3751722.8, 501.4, 501.4, 2.0); ( 470470.2, 3751703.4,
503.3, 503.3, 2.0);
( 470470.2, 3751683.8, 504.9, 504.9, 2.0); ( 470470.3, 3751664.3,
506.2, 506.2, 2.0);
( 470470.3, 3751642.4, 507.6, 507.6, 2.0); ( 470470.5, 3751621.8,
508.5, 508.5, 2.0);
( 470470.2, 3751599.8, 509.0, 509.0, 2.0); ( 470470.6, 3751578.8,
509.1, 509.1, 2.0);
( 470469.6, 3751555.9, 507.6, 507.6, 2.0); ( 470470.0, 3751512.5,
504.8, 512.0, 2.0);
( 470468.6, 3751414.6, 501.8, 513.0, 2.0); ( 470469.8, 3751385.2,
507.1, 513.0, 2.0);
( 470468.6, 3751358.9, 509.6, 509.6, 2.0); ( 470462.9, 3751325.6,
511.9, 511.9, 2.0);
( 470462.0, 3751310.6, 512.6, 512.6, 2.0); ( 470462.6, 3751296.6,
512.4, 512.4, 2.0);
( 470462.6, 3751283.3, 512.0, 512.0, 2.0); ( 470462.6, 3751269.9,
511.1, 511.1, 2.0);
( 470462.9, 3751254.3, 509.6, 512.0, 2.0); ( 470462.0, 3751240.7,
508.9, 508.9, 2.0);
( 470463.2, 3751227.6, 509.4, 509.4, 2.0); ( 470756.4, 3751290.6,
507.7, 525.0, 2.0);
( 470797.7, 3751268.3, 507.7, 525.0, 2.0); ( 470891.2, 3751226.4,
512.0, 512.0, 2.0);
( 470940.8, 3751191.8, 512.1, 512.1, 2.0); ( 471000.6, 3750923.6,
523.8, 523.8, 2.0);
( 471029.3, 3750923.6, 523.7, 523.7, 2.0); ( 471056.3, 3750923.9,
524.2, 542.0, 2.0);
( 471077.9, 3750924.4, 524.8, 543.0, 2.0); ( 471097.6, 3750924.4,
525.7, 543.0, 2.0);
( 471118.2, 3750925.0, 528.0, 543.0, 2.0); ( 471139.0, 3750927.4,
529.8, 543.0, 2.0);
( 471160.1, 3750928.8, 530.8, 543.0, 2.0); ( 471181.1, 3750931.5,
532.3, 543.0, 2.0);
( 471201.7, 3750930.9, 533.3, 543.0, 2.0); ( 471222.5, 3750931.5,
533.7, 543.0, 2.0);
( 471244.1, 3750931.2, 534.8, 543.0, 2.0); ( 471264.4, 3750931.7,
535.7, 538.0, 2.0);
( 471284.4, 3750931.7, 536.5, 536.5, 2.0); ( 471305.8, 3750931.7,
536.5, 536.5, 2.0);
( 471324.7, 3750930.9, 535.8, 535.8, 2.0); ( 471343.0, 3750930.1,
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( 471363.9, 3750929.0, 534.7, 534.7, 2.0); ( 471382.0, 3750928.8,
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( 471400.9, 3750928.2, 535.0, 535.0, 2.0); ( 471421.1, 3750928.0,
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( 471440.6, 3750928.1, 535.6, 535.6, 2.0); ( 471461.8, 3750927.4,

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( 471479.8, 3750927.9,      535.9,      535.9,      2.0);      ( 471499.7, 3750927.6,
536.2,      536.2,      2.0);
( 471519.3, 3750928.8,      536.6,      549.0,      2.0);      ( 471537.0, 3750929.6,
538.0,      549.0,      2.0);
( 471556.8, 3750930.9,      539.6,      549.0,      2.0);      ( 471580.7, 3750934.1,
541.7,      549.0,      2.0);
( 471624.0, 3750940.2,      545.0,      549.0,      2.0);      ( 471795.9, 3750950.1,
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( 471796.3, 3750967.9,      547.3,      547.3,      2.0);      ( 471796.7, 3750987.2,
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( 471795.9, 3751046.4,      541.1,      541.1,      2.0);      ( 471796.7, 3751073.0,
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( 471797.5, 3751143.8,      537.7,      537.7,      2.0);      ( 471833.0, 3751143.8,
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( 471867.4, 3751144.0,      534.9,      534.9,      2.0);      ( 471891.0, 3751144.4,
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( 471916.6, 3751144.2,      530.9,      530.9,      2.0);      ( 471939.5, 3751144.2,
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( 471999.0, 3751163.4,      525.3,      536.0,      2.0);      ( 472000.2, 3751199.1,
530.8,      530.8,      2.0);
( 471999.8, 3751230.6,      532.9,      532.9,      2.0);      ( 472000.4, 3751251.5,
534.3,      534.3,      2.0);
( 472000.2, 3751281.1,      536.2,      536.2,      2.0);      ( 472002.0, 3751347.9,
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( 472036.9, 3751348.5,      536.6,      536.6,      2.0);      ( 472063.1, 3751349.3,
536.5,      536.5,      2.0);
( 472084.6, 3751348.3,      535.8,      535.8,      2.0);      ( 472104.9, 3751348.7,
534.6,      534.6,      2.0);
( 472127.3, 3751348.5,      533.0,      533.0,      2.0);      ( 472150.8, 3751349.7,
531.4,      531.4,      2.0);
( 472171.5, 3751349.5,      530.3,      530.3,      2.0);      ( 472194.1, 3751349.1,
528.2,      531.0,      2.0);
( 472222.6, 3751348.7,      525.4,      536.0,      2.0);      ( 472247.8, 3751349.5,
523.2,      536.0,      2.0);
( 472269.7, 3751349.1,      520.9,      536.0,      2.0);      ( 472290.4, 3751350.3,
520.7,      535.0,      2.0);
( 472313.6, 3751350.5,      520.9,      532.0,      2.0);      ( 472333.8, 3751351.3,
520.6,      532.0,      2.0);

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***      10/26/23

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs:      RegDFAULT      CONC      ELEV      FLGPOL      URBAN      ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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( 472354.8, 3751351.3,      518.5,      532.0,      2.0);      ( 472377.7, 3751351.1,
516.0,      532.0,      2.0);
( 472401.7, 3751351.1,      513.6,      533.0,      2.0);      ( 472425.5, 3751351.8,
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( 472445.7, 3751350.7,      511.1,      532.0,      2.0);      ( 472463.2, 3751350.9,
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( 472484.1, 3751350.9,      507.3,      532.0,      2.0);      ( 472503.9, 3751351.3,
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( 472563.2, 3751352.2,      506.1,      506.1,      2.0);      ( 472582.6, 3751352.0,

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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)

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . .

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM 2.5 IN MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
472283.74	3752640.98	0.11028	(13100924)	472482.23	
3752398.04	0.14050m	(13112124)			
472477.97	3752183.12	0.17869	(13121924)	472148.10	
3752531.53	0.17934	(13100924)			

472052.12	3752531.22	0.20882	(13100924)	471975.52
3752531.22	0.22132	(13100924)		
471896.06	3752530.90	0.23052	(13100924)	471840.76
3752529.94	0.23252	(13100924)		
471816.60	3752527.08	0.23140	(13100924)	471736.82
3752557.91	0.21809	(13100924)		
471696.59	3752558.87	0.21700	(13100924)	471627.29
3752556.22	0.22218	(13100924)		
471584.60	3752556.76	0.22227	(13100924)	471560.01
3752556.22	0.22063	(13100924)		
471534.35	3752554.87	0.22050	(16010624)	471514.89
3752554.87	0.22073	(16010624)		
471486.79	3752555.68	0.22306	(16010624)	471465.72
3752555.41	0.22435	(16010624)		
471442.21	3752554.98	0.22279	(16010624)	471419.71
3752552.46	0.22456	(16010624)		
471394.22	3752552.91	0.22622	(16010624)	471363.44
3752552.46	0.23072	(16010624)		
471332.68	3752553.31	0.23277	(16010624)	471307.62
3752552.94	0.23424	(16010624)		
471284.05	3752552.70	0.23336	(16010624)	471261.98
3752552.70	0.23226	(16010624)		
471241.90	3752552.70	0.23151	(16010624)	471223.15
3752552.86	0.23101	(16010624)		
471205.90	3752552.86	0.23068	(16010624)	471173.21
3752552.37	0.23081	(16010624)		
471135.70	3752552.53	0.23098	(16010624)	471093.22
3752551.54	0.23256	(16010624)		
471059.37	3752551.70	0.23486	(16010624)	471020.54
3752551.20	0.23515	(16010624)		
470981.05	3752563.65	0.20341	(16010524)	470980.39
3752552.20	0.21927	(16010524)		
470980.06	3752535.61	0.24585	(16010524)	470979.89
3752517.19	0.27940	(16010524)		
470980.06	3752499.76	0.31489	(14121224)	470980.22
3752479.85	0.33976	(14121224)		
470980.39	3752459.44	0.35486	(14121224)	470980.22
3752433.22	0.36705	(14121224)		
470980.06	3752404.02	0.39296	(12121324)	470927.12
3752402.69	0.25463	(14121224)		
470907.87	3752402.69	0.23023	(14121224)	470887.30
3752402.69	0.20919	(14121224)		
470869.71	3752402.03	0.19602	(14121224)	470849.63
3752401.86	0.18243	(14121224)		
470829.39	3752402.19	0.17018	(14121224)	470811.63
3752402.19	0.16061	(14121224)		
470791.55	3752402.53	0.15081	(14121224)	470773.63
3752401.86	0.14305	(14121224)		
470749.24	3752402.19	0.13350	(14121224)	470727.72
3752391.74	0.12737	(14121224)		
470733.04	3752338.97	0.13481	(14121224)	470733.70
3752320.55	0.13662	(14121224)		
470734.20	3752291.01	0.13931	(14121224)	470733.20
3752265.78	0.14196	(15112724)		
470732.87	3752218.81	0.14900	(15112724)	470732.54
3752182.14	0.15384	(15112724)		
470732.37	3752145.29	0.15874	(15112724)	470692.38
3752144.80	0.14367	(15112724)		
470670.14	3752144.46	0.13642	(15112724)	470651.72
3752144.30	0.13092	(15112724)		
470633.46	3752144.13	0.12585	(15112724)	470615.54
3752143.97	0.12122	(15112724)		
470595.95	3752143.30	0.11655	(15112724)	470577.03
3752143.47	0.11227	(15112724)		
470553.63	3752143.47	0.10737	(15112724)	470528.57
3752142.64	0.10261	(15112724)		

470507.99	3752142.80	0.09889	(15112724)	470485.59
3752142.47	0.09514	(15112724)		
470471.60	3752131.63	0.09383	(15112724)	470471.60
3752109.21	0.09570	(15112724)		
470471.32	3752085.22	0.09760	(15112724)	470471.46
3752037.68	0.10126	(15112724)		
470471.74	3752013.00	0.10305	(15112724)	470470.89
3751987.18	0.10459	(15112724)		
470470.89	3751965.74	0.10587	(15112724)	470470.75
3751944.44	0.10700	(15112724)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN
 MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
470470.61	3751924.27	0.10794	(15112724)	470470.47	
3751905.93	0.10867	(15112724)			
470470.89	3751884.06	0.10949	(15112724)	470470.61	
3751864.03	0.10994	(15112724)			
470470.33	3751844.00	0.11020	(15112724)	470470.19	
3751824.53	0.11026	(15112724)			
470470.33	3751805.77	0.11021	(15112724)	470470.33	
3751788.00	0.10998	(15112724)			
470470.33	3751761.19	0.10953	(15112724)	470471.03	
3751741.87	0.10907	(15112724)			
470470.05	3751722.82	0.10803	(15112724)	470470.19	
3751703.36	0.10696	(15112724)			
470470.19	3751683.75	0.10637	(14121624)	470470.33	
3751664.28	0.10587	(14121624)			
470470.33	3751642.41	0.10505	(14121624)	470470.47	
3751621.82	0.10411	(14121624)			
470470.19	3751599.81	0.10405c	(14123024)	470470.61	
3751578.79	0.10563c	(14123024)			
470469.62	3751555.94	0.10669c	(14123024)	470470.05	
3751512.49	0.10855c	(14123024)			
470468.64	3751414.59	0.10874c	(14123024)	470469.76	
3751385.25	0.10847c	(14123024)			
470468.65	3751358.95	0.10729c	(14123024)	470462.93	
3751325.56	0.10458c	(14123024)			
470461.98	3751310.62	0.10362c	(14123024)	470462.61	
3751296.63	0.10346	(13012524)			
470462.61	3751283.28	0.10359	(13012524)	470462.61	
3751269.92	0.10364	(13012524)			

470462.93	3751254.35	0.10363	(13012524)	470461.98
3751240.67	0.10348	(13012524)		
470463.25	3751227.64	0.10356	(13012524)	470756.39
3751290.59	0.20315	(12121324)		
470797.72	3751268.33	0.21631	(12121324)	470891.19
3751226.38	0.23880	(12121324)		
470940.78	3751191.82	0.23311	(12121324)	471000.61
3750923.63	0.15005	(12121324)		
471029.26	3750923.63	0.15180	(12121324)	471056.29
3750923.90	0.15257	(12121324)		
471077.91	3750924.44	0.15239	(12121324)	471097.64
3750924.44	0.15148	(12121324)		
471118.18	3750924.98	0.14981	(12121324)	471138.99
3750927.42	0.14861	(12121324)		
471160.07	3750928.77	0.14723	(12121324)	471181.15
3750931.47	0.14701	(12121324)		
471201.69	3750930.93	0.14558	(12121324)	471222.50
3750931.47	0.14372	(12121324)		
471244.13	3750931.20	0.14135	(12121324)	471264.40
3750931.74	0.13888	(12121324)		
471284.40	3750931.74	0.13624	(12121324)	471305.75
3750931.74	0.13349m	(14123124)		
471324.67	3750930.93	0.13281m	(14123124)	471343.05
3750930.12	0.13188m	(14123124)		
471363.86	3750929.04	0.12991m	(14123124)	471381.96
3750928.77	0.12756m	(14123124)		
471400.88	3750928.23	0.12405m	(14123124)	471421.15
3750927.96	0.11907m	(14123124)		
471440.59	3750928.11	0.12065	(15122824)	471461.83
3750927.45	0.12223	(15122824)		
471479.76	3750927.95	0.12367	(15122824)	471499.68
3750927.62	0.12485	(15122824)		
471519.26	3750928.78	0.12628	(15122824)	471537.02
3750929.61	0.12709	(15122824)		
471556.77	3750930.94	0.12777	(15122824)	471580.68
3750934.09	0.12863	(15122824)		
471624.00	3750940.23	0.12821	(15122824)	471795.90
3750950.11	0.11022	(15122824)		
471796.29	3750967.88	0.11421	(15122824)	471796.69
3750987.22	0.11916	(15122824)		
471797.47	3751006.75	0.12470	(15122824)	471796.69
3751025.30	0.12981	(15122824)		
471795.90	3751046.40	0.13589	(15122824)	471796.69
3751072.96	0.14357	(15122824)		
471797.47	3751143.85	0.16619	(15122824)	471833.01
3751143.85	0.15510	(15122824)		
471867.38	3751144.05	0.14586	(15122824)	471891.02
3751144.44	0.14048	(15122824)		
471916.60	3751144.24	0.13473	(15122824)	471939.45
3751144.24	0.12957	(15122824)		
471963.08	3751144.44	0.12550	(15122824)	471984.17
3751144.05	0.12108	(15122824)		

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 Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

	INCLUDING SOURCE(S):	VOL1	, VOL2	,	
	VOL3	, VOL4	, VOL5	,	
VOL6	, VOL7	, VOL8	, VOL9	, VOL10	,
VOL11	, VOL12	, VOL13	,		

VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
471999.02	3751163.38	0.12039	(15122824)	472000.19	
3751199.12	0.12332	(15122824)			
471999.80	3751230.56	0.12750	(15122824)	472000.38	
3751251.46	0.13014	(15122824)			
472000.19	3751281.15	0.13526	(13112024)	472001.95	
3751347.94	0.15410	(13112024)			
472036.90	3751348.52	0.14444	(13112024)	472063.07	
3751349.31	0.13812	(13112024)			
472084.56	3751348.33	0.13337	(13112024)	472104.87	
3751348.72	0.12986	(13112024)			
472127.33	3751348.52	0.12630	(13112024)	472150.76	
3751349.70	0.12322	(13112024)			
472171.47	3751349.50	0.12034	(13112024)	472194.12	
3751349.11	0.11786	(13112024)			
472222.63	3751348.72	0.11518	(13112024)	472247.83	
3751349.50	0.11324	(13112024)			
472269.70	3751349.11	0.11182	(13112024)	472290.40	
3751350.28	0.10995	(13112024)			
472313.64	3751350.48	0.10770	(13112024)	472333.76	
3751351.26	0.10623	(13112024)			
472354.85	3751351.26	0.10555	(13112024)	472377.70	
3751351.06	0.10514	(13112024)			
472401.72	3751351.06	0.10472	(13112024)	472425.55	
3751351.84	0.10335	(13112024)			
472445.67	3751350.67	0.10188	(13112024)	472463.24	
3751350.87	0.10084	(13112024)			
472484.14	3751350.87	0.09952	(13112024)	472503.87	
3751351.26	0.09822	(13112024)			
472523.79	3751351.26	0.09675	(13112024)	472543.32	
3751351.26	0.09525	(13112024)			
472563.24	3751352.24	0.09384	(13112024)	472582.57	
3751352.04	0.09228	(13112024)			
472601.32	3751352.04	0.09081	(13112024)	472606.79	
3751367.27	0.09240	(13112024)			
472607.57	3751396.37	0.09639	(13112024)	472608.55	
3751432.11	0.10184	(13112024)			
472608.94	3751462.58	0.10731	(13112024)	472609.52	
3751497.15	0.11460	(13112024)			
472610.70	3751553.78	0.13077	(13112024)	472665.97	
3751553.98	0.12528	(13112024)			
472690.38	3751553.59	0.12305	(13112024)	472713.50	
3751554.27	0.12154	(13112024)			
472734.64	3751554.04	0.12003	(13112024)	472759.46	
3751554.04	0.11846	(13112024)			
472781.75	3751554.50	0.11721	(13112024)	472849.76	
3751556.11	0.11252	(13112024)			
472871.82	3751556.11	0.11020	(13112024)	472895.25	
3751555.65	0.10732	(13112024)			
472922.60	3751555.88	0.10408	(13112024)	473092.41	
3751802.31	0.20038	(12042324)			
473204.80	3751856.81	0.16204	(13111924)	472991.21	
3752083.31	0.17762m	(13112124)			

473295.12	3752052.49	0.11331m	(13112124)	473356.76
3752050.34	0.09902	(15042424)		
473495.10	3751996.58	0.08970	(15042424)	473486.50
3751917.74	0.09380	(12050124)		
473392.60	3752058.22	0.09334	(13020524)	473464.28
3752082.59	0.08619	(13020524)		
473550.29	3752087.61	0.08026	(13020524)	473584.69
3752089.76	0.07825	(13020524)		
472765.59	3752474.09	0.10190m	(13112124)	470432.16
3750483.93	0.08393	(12121324)		
469244.06	3754182.82	0.02038	(16091624)	469596.75
3750785.65	0.06882	(13012524)		
470466.55	3750530.27	0.08704	(12121324)	469319.29
3749244.53	0.03134	(12010224)		
469229.64	3749502.19	0.03074	(12010324)	468465.38
3749582.33	0.04155	(13012524)		
471438.37	3750129.76	0.04170	(16011524)	471657.54
3749918.78	0.03887	(15122824)		
471732.91	3749916.52	0.03894	(15122824)	471710.30
3750132.80	0.04565	(15122824)		
471273.89	3750119.77	0.03846	(16011524)	

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 *** 10/26/23

*** AERMET - VERSION 16216 ***

*** 10:54:59

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_{2.5} IN MICROGRAMS/M³ **

GROUP ID	AVERAGE CONC	DATE	NETWORK
ZELEV, ZHILL, ZFLAG)	OF TYPE GRID-ID	(YYMMDDHH)	RECEPTOR (XR, YR,

ALL HIGH 1ST HIGH VALUE IS 0.39296 ON 12121324: AT (470980.06, 3752404.02, 506.00, 506.00, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** AERMET - VERSION 16216 ***

*** 10:54:59

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL 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 915 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 915 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

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APPENDIX 5.7:

AERMOD LST MODELING OUTPUTS - OPERATION

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 10/25/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\LSTs\14064 Ops CO\14064 Ops
CO.ADI
**

```

```

*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME 1 8
URBANOPT 2189641 Riverside_County
POLLUTID CO
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14064 Ops CO.err"

```

```

CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**

```

```

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **

```

LOCATION	VOL	VOLUME	X Coord.	Y Coord.
LOCATION VOL1		471175.473	3752366.407	510.210
LOCATION VOL2		471362.212	3752367.600	512.450
LOCATION VOL3		471550.136	3752368.393	518.920
LOCATION VOL4		471609.606	3752371.565	516.010
LOCATION VOL5		471796.736	3752342.227	515.100
LOCATION VOL6		471984.660	3752344.605	513.590
LOCATION VOL7		472003.690	3752346.984	512.090
LOCATION VOL8		472002.898	3752159.060	521.590
LOCATION VOL9		471814.181	3752156.682	520.730
LOCATION VOL10		471628.636	3752181.262	526.790
LOCATION VOL11		471440.712	3752181.262	527.380
LOCATION VOL12		471253.581	3752180.469	518.870
LOCATION VOL13		471092.617	3752217.737	509.620
LOCATION VOL14		471074.380	3752029.020	516.070
LOCATION VOL15		471263.889	3751992.546	521.100
LOCATION VOL16		471452.606	3751994.132	529.960
LOCATION VOL17		471640.530	3751992.546	534.940
LOCATION VOL18		471827.661	3751967.965	533.000
LOCATION VOL19		472002.898	3751970.344	527.910
LOCATION VOL20		471845.105	3751780.041	538.850
LOCATION VOL21		471657.181	3751803.829	536.000
LOCATION VOL22		471468.465	3751806.208	528.300
LOCATION VOL23		471280.541	3751807.001	524.990
LOCATION VOL24		471093.410	3751841.890	515.600
LOCATION VOL25		470978.435	3751841.890	518.120
LOCATION VOL26		471014.117	3751654.759	520.370
LOCATION VOL27		471201.248	3751654.759	525.140
LOCATION VOL28		471389.172	3751619.077	534.860

LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810

** Source Parameters **

SRCPARAM VOL1	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL2	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL3	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL4	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL5	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL6	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL7	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL8	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL9	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL10	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL11	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL12	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL13	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL14	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL15	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL16	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL17	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL18	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL19	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL20	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL21	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL22	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL23	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL24	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL25	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL26	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL27	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL28	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL29	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL30	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL31	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL32	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL33	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL34	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL35	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL36	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL37	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL38	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL39	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL40	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL41	0.0909704698	5.000	43.702	1.400
SRCPARAM VOL48	0.0909704698	5.000	43.702	1.400

URBANSRC ALL
SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING
INCLUDED "14064 Ops CO.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
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
RECTABLE 8 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "14064 OPS CO.AD\01H1GALL.PLT" 31
PLOTFILE 8 ALL 1ST "14064 OPS CO.AD\08H1GALL.PLT" 32
SUMMFILE "14064 Ops CO.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 146 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 146 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/25/23
*** AERMET - VERSION 16216 ***
*** 17:27:45

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 42 Source(s),
for Total of 1 Urban Area(s):
- Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: CO

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

**This Run Includes: 42 Source(s); 1 Source Group(s); and 258 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)

and: 42 VOLUME source(s)

and: 0 AREA type source(s)

and: 0 LINE source(s)

and: 0 RLINE/RLINEXT source(s)

and: 0 OPENPIT source(s)

and: 0 BUOYANT LINE source(s) with a total of 0 line(s)

and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

- Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
- Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
- Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 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: 14064 Ops

CO.err

VOL23	0	0.90970E-01	471280.5	3751807.0	525.0	5.00	43.70	1.40
YES								
VOL24	0	0.90970E-01	471093.4	3751841.9	515.6	5.00	43.70	1.40
YES								
VOL25	0	0.90970E-01	470978.4	3751841.9	518.1	5.00	43.70	1.40
YES								
VOL26	0	0.90970E-01	471014.1	3751654.8	520.4	5.00	43.70	1.40
YES								
VOL27	0	0.90970E-01	471201.2	3751654.8	525.1	5.00	43.70	1.40
YES								
VOL28	0	0.90970E-01	471389.2	3751619.1	534.9	5.00	43.70	1.40
YES								
VOL29	0	0.90970E-01	471577.9	3751616.7	529.0	5.00	43.70	1.40
YES								
VOL30	0	0.90970E-01	471724.6	3751620.7	533.8	5.00	43.70	1.40
YES								
VOL31	0	0.90970E-01	471941.0	3751865.7	534.6	5.00	43.70	1.40
YES								
VOL32	0	0.90970E-01	471795.2	3751684.9	537.3	5.00	43.70	1.40
YES								
VOL33	0	0.90970E-01	471577.9	3751434.3	531.1	5.00	43.70	1.40
YES								
VOL34	0	0.90970E-01	471390.0	3751431.9	537.3	5.00	43.70	1.40
YES								
VOL35	0	0.90970E-01	471202.0	3751467.6	526.8	5.00	43.70	1.40
YES								
VOL36	0	0.90970E-01	471065.7	3751504.9	522.0	5.00	43.70	1.40
YES								
VOL37	0	0.90970E-01	471656.4	3751514.4	529.5	5.00	43.70	1.40
YES								
VOL38	0	0.90970E-01	471522.4	3751324.1	529.0	5.00	43.70	1.40
YES								
VOL39	0	0.90970E-01	471332.9	3751322.5	529.5	5.00	43.70	1.40
YES								
VOL40	0	0.90970E-01	471282.9	3751321.7	528.2	5.00	43.70	1.40
YES								

```

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/25/23
*** AERMET - VERSION 16216 ***
*** *** 17:27:45

```

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION	RATE		BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION	RATE					
ID	PART.	(GRAMS/SEC)		X	ELEV.	HEIGHT	SY	SZ
(METERS)	SCALAR VARY				(METERS)	(METERS)	(METERS)	(METERS)
	CATS.							
		BY						
VOL41	0	0.90970E-01	471233.8	3751388.3	528.5	5.00	43.70	1.40
YES								
VOL48	0	0.90970E-01	471084.5	3752407.2	506.8	5.00	43.70	1.40
YES								

```

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/25/23
*** AERMET - VERSION 16216 ***
*** *** 17:27:45

```

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL48	,								

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 *** 10/25/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID URBAN POP

SOURCE IDs

	2189641.	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	
VOL8	, VOL6	, VOL7	,									
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL48	,								

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 *** 10/25/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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500.5, 514.0, 2.0);
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(471534.3, 3752554.9, 503.2, 509.0, 2.0); (471514.9, 3752554.9,
502.2, 519.0, 2.0);
(471486.8, 3752555.7, 503.1, 503.1, 2.0); (471465.7, 3752555.4,
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(471442.2, 3752555.0, 501.3, 505.0, 2.0); (471419.7, 3752552.5,
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502.5, 502.5, 2.0);
(470980.1, 3752535.6, 503.0, 503.0, 2.0); (470979.9, 3752517.2,
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( 470471.3, 3752085.2,      498.1,      498.1,      2.0);      ( 470471.5, 3752037.7,
499.7,      499.7,      2.0);
( 470471.7, 3752013.0,      500.0,      500.0,      2.0);      ( 470470.9, 3751987.2,
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( 470470.9, 3751965.7,      500.1,      500.1,      2.0);      ( 470470.8, 3751944.4,
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499.5,      499.5,      2.0);

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Campus\14064 Ops\140 ***      10/25/23

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs:      RegDFAULT      CONC      ELEV      FLGPOL      URBAN      ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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506.2,      506.2,      2.0);
( 470470.3, 3751642.4,      507.6,      507.6,      2.0);      ( 470470.5, 3751621.8,
508.5,      508.5,      2.0);
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504.8,      512.0,      2.0);
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520.6, 532.0, 2.0);

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(472354.8, 3751351.3, 518.5, 532.0, 2.0);	(472377.7, 3751351.1, 516.0, 532.0, 2.0);
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(472484.1, 3751350.9, 507.3, 532.0, 2.0);	(472503.9, 3751351.3, 506.3, 532.0, 2.0);
(472523.8, 3751351.3, 506.2, 531.0, 2.0);	(472543.3, 3751351.3, 506.4, 506.4, 2.0);
(472563.2, 3751352.2, 506.1, 506.1, 2.0);	(472582.6, 3751352.0, 505.8, 505.8, 2.0);
(472601.3, 3751352.0, 505.3, 505.3, 2.0);	(472606.8, 3751367.3, 504.3, 504.3, 2.0);
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(472608.9, 3751462.6, 504.4, 504.4, 2.0);	(472609.5, 3751497.1, 505.0, 505.0, 2.0);
(472610.7, 3751553.8, 505.4, 505.4, 2.0);	(472666.0, 3751554.0, 501.3, 501.3, 2.0);
(472690.4, 3751553.6, 499.8, 499.8, 2.0);	(472713.5, 3751554.3, 499.2, 499.2, 2.0);
(472734.6, 3751554.0, 497.9, 497.9, 2.0);	(472759.5, 3751554.0, 496.2, 496.2, 2.0);
(472781.8, 3751554.5, 494.9, 499.0, 2.0);	(472849.8, 3751556.1, 495.4, 495.4, 2.0);
(472871.8, 3751556.1, 494.9, 494.9, 2.0);	(472895.2, 3751555.6, 494.2, 494.2, 2.0);
(472922.6, 3751555.9, 493.8, 493.8, 2.0);	(473092.4, 3751802.3, 486.1, 486.1, 2.0);
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(473392.6, 3752058.2, 475.9, 475.9, 2.0);	(473464.3, 3752082.6, 475.2, 475.2, 2.0);
(473550.3, 3752087.6, 473.0, 473.0, 2.0);	(473584.7, 3752089.8, 473.0, 473.0, 2.0);
(472765.6, 3752474.1, 477.2, 495.0, 2.0);	(470432.2, 3750483.9, 532.6, 532.6, 2.0);
(469244.1, 3754182.8, 471.3, 485.0, 2.0);	(469596.8, 3750785.6, 493.4, 493.4, 2.0);
(470466.5, 3750530.3, 535.0, 535.0, 2.0);	(469319.3, 3749244.5, 500.0, 500.0, 2.0);
(469229.6, 3749502.2, 503.4, 503.4, 2.0);	(468465.4, 3749582.3, 490.5, 490.5, 2.0);
(471438.4, 3750129.8, 539.2, 539.2, 2.0);	(471657.5, 3749918.8, 535.4, 535.4, 2.0);
(471732.9, 3749916.5, 534.7, 534.7, 2.0);	(471710.3, 3750132.8, 537.0, 537.0, 2.0);
(471273.9, 3750119.8, 540.5, 540.5, 2.0);	(470973.4, 3752300.8, 503.8, 503.8, 2.0);
(470974.0, 3752278.4, 504.4, 504.4, 2.0);	(470974.0, 3752235.6, 505.0, 505.0, 2.0);
(470971.9, 3752174.6, 506.2, 506.2, 2.0);	(470967.2, 3752139.2,

Surface file:
 KRAL_V9_ADJU\KRAL_v9.SFC
 Version: 16216
 Profile file:
 KRAL_V9_ADJU\KRAL_v9.PFL
 Surface format:
 FREE

Met

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		

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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

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F indicates top of profile (=1) or below (=0)

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

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INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
472283.74	3752640.98	19.54179	(14051521)	472482.23	
3752398.04	17.93731	(12041107)			
472477.97	3752183.12	17.90996	(15092020)	472148.10	
3752531.53	36.42920	(13112916)			
472052.12	3752531.22	43.64128	(13112916)	471975.52	
3752531.22	33.10275	(13112916)			
471896.06	3752530.90	35.16049	(13062606)	471840.76	
3752529.94	36.17210	(13062606)			
471816.60	3752527.08	36.58163	(13062606)	471736.82	
3752557.91	34.88837	(13112916)			
471696.59	3752558.87	38.01401	(13112916)	471627.29	
3752556.22	37.12099	(13112916)			
471584.60	3752556.76	37.86691	(13062606)	471560.01	
3752556.22	38.02832	(13062606)			
471534.35	3752554.87	37.94624	(13062606)	471514.89	
3752554.87	37.63196	(13062606)			
471486.79	3752555.68	37.36405	(13062606)	471465.72	
3752555.41	37.18126	(13062606)			
471442.21	3752554.98	36.77711	(13062606)	471419.71	
3752552.46	36.78715	(13062606)			
471394.22	3752552.91	36.68334	(13062606)	471363.44	
3752552.46	36.78205	(13062606)			
471332.68	3752553.31	36.65476	(13062606)	471307.62	
3752552.94	36.59906	(13062606)			
471284.05	3752552.70	36.41891	(13062606)	471261.98	
3752552.70	36.29362	(13062606)			

471241.90	3752552.70	36.25243	(13062606)	471223.15
3752552.86	36.25321	(13062606)		
471205.90	3752552.86	36.28216	(13062606)	471173.21
3752552.37	36.35999	(13062606)		
471135.70	3752552.53	36.02379	(13062606)	471093.22
3752551.54	35.12487	(15100406)		
471059.37	3752551.70	35.26024	(15062802)	471020.54
3752551.20	32.94297	(15062802)		
470981.05	3752563.65	29.27296	(13083019)	470980.39
3752552.20	30.30081	(13083019)		
470980.06	3752535.61	31.83936	(13083019)	470979.89
3752517.19	33.54954	(13083019)		
470980.06	3752499.76	35.03019	(13083019)	470980.22
3752479.85	37.12539	(14090307)		
470980.39	3752459.44	42.53923	(14090307)	470980.22
3752433.22	45.90192	(14090307)		
470980.06	3752404.02	45.07978	(13062606)	470927.12
3752402.69	33.43832	(13062606)		
470907.87	3752402.69	30.74682	(13062606)	470887.30
3752402.69	28.35143	(13062606)		
470869.71	3752402.03	26.74264	(13062606)	470849.63
3752401.86	25.12842	(13062606)		
470829.39	3752402.19	23.69473	(13062606)	470811.63
3752402.19	22.58277	(13062606)		
470791.55	3752402.53	21.43795	(13062606)	470773.63
3752401.86	20.52948	(15042903)		
470749.24	3752402.19	19.60272	(15042903)	470727.72
3752391.74	19.00411	(15042903)		
470733.04	3752338.97	19.93462	(13062606)	470733.70
3752320.55	20.28972	(13062606)		
470734.20	3752291.01	20.83045	(13062606)	470733.20
3752265.78	21.18625	(13062606)		
470732.87	3752218.81	21.90617	(13062606)	470732.54
3752182.14	22.45234	(13062606)		
470732.37	3752145.29	23.02342	(13062606)	470692.38
3752144.80	20.97367	(13062606)		
470670.14	3752144.46	19.95881	(13062606)	470651.72
3752144.30	19.18718	(13062606)		
470633.46	3752144.13	18.45346	(13062606)	470615.54
3752143.97	17.77542	(13062606)		
470595.95	3752143.30	17.08324	(13062606)	470577.03
3752143.47	16.53886	(14091620)		
470553.63	3752143.47	16.09272	(15071822)	470528.57
3752142.64	15.64468	(15071820)		
470507.99	3752142.80	15.25285	(15071820)	470485.59
3752142.47	14.84548	(15071820)		
470471.60	3752131.63	14.69424	(15071820)	470471.60
3752109.21	14.88077	(15071820)		
470471.32	3752085.22	15.04311	(15071820)	470471.46
3752037.68	15.39331	(15071822)		
470471.74	3752013.00	15.54677	(12010420)	470470.89
3751987.18	15.66186	(16111021)		
470470.89	3751965.74	15.78816	(16111021)	470470.75
3751944.44	15.89708	(16111021)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,

VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
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 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF CO IN			
		MICROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
470470.61	3751924.27	15.95225	(16111021)	470470.47	
3751905.93	15.96943	(16111021)			
470470.89	3751884.06	16.06873	(16110919)	470470.61	
3751864.03	16.12659	(16110919)			
470470.33	3751844.00	16.13246	(16110919)	470470.19	
3751824.53	16.06909	(16110919)			
470470.33	3751805.77	16.04891	(16110818)	470470.33	
3751788.00	16.02983	(16110818)			
470470.33	3751761.19	16.30062	(16110818)	470471.03	
3751741.87	16.49749	(16110818)			
470470.05	3751722.82	16.63798	(16110818)	470470.19	
3751703.36	16.85069	(14051420)			
470470.19	3751683.75	17.05550	(14051420)	470470.33	
3751664.28	17.21852	(14051420)			
470470.33	3751642.41	17.37250	(14051420)	470470.47	
3751621.82	17.45578	(14051420)			
470470.19	3751599.81	17.48008	(14051420)	470470.61	
3751578.79	17.46399	(14051420)			
470469.62	3751555.94	17.28407	(14051420)	470470.05	
3751512.49	16.90120	(14051420)			
470468.64	3751414.59	16.12887	(16062003)	470469.76	
3751385.25	16.49452	(16062003)			
470468.65	3751358.95	16.55779	(16062003)	470462.93	
3751325.56	16.43771	(16062003)			
470461.98	3751310.62	16.38880	(13050223)	470462.61	
3751296.63	16.33313	(13050223)			
470462.61	3751283.28	16.24612	(13050223)	470462.61	
3751269.92	16.12557	(13050223)			
470462.93	3751254.35	15.97313	(13050223)	470461.98	
3751240.67	15.83245	(13050223)			
470463.25	3751227.64	15.78536	(13050223)	470756.39	
3751290.59	21.67011	(14100421)			
470797.72	3751268.33	22.43532	(14100421)	470891.19	
3751226.38	25.00237	(13083002)			
470940.78	3751191.82	25.96543	(15090923)	471000.61	
3750923.63	23.28974	(15031222)			
471029.26	3750923.63	23.52206	(15031222)	471056.29	
3750923.90	24.49825	(14072222)			
471077.91	3750924.44	25.33190	(14072222)	471097.64	
3750924.44	27.79228	(14072222)			
471118.18	3750924.98	30.75083	(15073004)	471138.99	
3750927.42	33.80267	(14070703)			
471160.07	3750928.77	36.53899	(14070703)	471181.15	
3750931.47	41.78637	(12111622)			
471201.69	3750930.93	44.68200	(12111622)	471222.50	
3750931.47	45.93668	(15102720)			
471244.13	3750931.20	48.31705	(15102720)	471264.40	
3750931.74	50.18672	(15102720)			
471284.40	3750931.74	51.47455	(13090322)	471305.75	
3750931.74	52.16890	(13090322)			

471324.67	3750930.93	50.89123	(13090322)	471343.05
3750930.12	49.49507	(13070301)		
471363.86	3750929.04	48.42773	(14092602)	471381.96
3750928.77	48.10499	(14092602)		
471400.88	3750928.23	48.04245	(15091223)	471421.15
3750927.96	47.79037	(15091223)		
471440.59	3750928.11	47.08370	(12091920)	471461.83
3750927.45	46.29840	(12091920)		
471479.76	3750927.95	45.68316	(13090522)	471499.68
3750927.62	45.24340	(13090522)		
471519.26	3750928.78	44.75841	(13090522)	471537.02
3750929.61	45.55741	(13090522)		
471556.77	3750930.94	45.70419	(13090522)	471580.68
3750934.09	47.64403	(13090522)		
471624.00	3750940.23	48.67686	(13090322)	471795.90
3750950.11	46.80729	(14070402)		
471796.29	3750967.88	47.31165	(14070402)	471796.69
3750987.22	47.55852	(15100222)		
471797.47	3751006.75	47.05793	(15100222)	471796.69
3751025.30	47.20756	(15100222)		
471795.90	3751046.40	47.53018	(12092021)	471796.69
3751072.96	47.58784	(12092021)		
471797.47	3751143.85	47.37167	(12092021)	471833.01
3751143.85	44.42073	(12092021)		
471867.38	3751144.05	39.70546	(12081722)	471891.02
3751144.44	33.20142	(12081722)		
471916.60	3751144.24	26.78497	(12081621)	471939.45
3751144.24	25.17262	(14083024)		
471963.08	3751144.44	23.50389	(15041821)	471984.17
3751144.05	22.94666	(15041821)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
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VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
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VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
471999.02	3751163.38	22.95533	(15041821)	472000.19	
3751199.12	25.64909	(15092721)			
471999.80	3751230.56	31.04491	(16061922)	472000.38	
3751251.46	34.84340	(16061922)			
472000.19	3751281.15	37.21482	(14091022)	472001.95	
3751347.94	41.08242	(12080621)			
472036.90	3751348.52	37.10473	(12080624)	472063.07	
3751349.31	35.54624	(12080524)			

472084.56	3751348.33	33.90449	(13063022)	472104.87
3751348.72	31.75503	(13082222)		
472127.33	3751348.52	28.41210	(12081422)	472150.76
3751349.70	25.06713	(14091223)		
472171.47	3751349.50	23.39942	(12081622)	472194.12
3751349.11	22.63768	(15081620)		
472222.63	3751348.72	21.56582	(16082920)	472247.83
3751349.50	20.64983	(16082920)		
472269.70	3751349.11	19.42026	(16082920)	472290.40
3751350.28	19.03194	(16082920)		
472313.64	3751350.48	18.62944	(16082920)	472333.76
3751351.26	18.24503	(16082920)		
472354.85	3751351.26	17.41549	(16082920)	472377.70
3751351.06	16.69706	(16082920)		
472401.72	3751351.06	15.94273	(16081620)	472425.55
3751351.84	15.05168	(15102418)		
472445.67	3751350.67	14.79737	(15102418)	472463.24
3751350.87	14.37845	(15102418)		
472484.14	3751350.87	14.04459	(15102418)	472503.87
3751351.26	13.79972	(15102418)		
472523.79	3751351.26	13.61121	(15102418)	472543.32
3751351.26	13.44313	(15102418)		
472563.24	3751352.24	13.24816	(15102418)	472582.57
3751352.04	13.05478	(15102418)		
472601.32	3751352.04	12.86379	(15102418)	472606.79
3751367.27	12.81498	(15091321)		
472607.57	3751396.37	12.94860	(15091321)	472608.55
3751432.11	13.14548	(15070221)		
472608.94	3751462.58	13.25923	(15070221)	472609.52
3751497.15	13.45767	(14072920)		
472610.70	3751553.78	13.81523	(12080920)	472665.97
3751553.98	13.07313	(12080920)		
472690.38	3751553.59	12.77413	(12080920)	472713.50
3751554.27	12.55548	(12080920)		
472734.64	3751554.04	12.31715	(12080920)	472759.46
3751554.04	12.03744	(12080920)		
472781.75	3751554.50	11.80975	(12080920)	472849.76
3751556.11	11.35815	(12080920)		
472871.82	3751556.11	11.18284	(12080920)	472895.25
3751555.65	10.98944	(12080920)		
472922.60	3751555.88	10.79411	(12080920)	473092.41
3751802.31	9.92667	(13082619)		
473204.80	3751856.81	9.27888	(13082920)	472991.21
3752083.31	10.74577	(16082919)		
473295.12	3752052.49	8.77172	(13090121)	473356.76
3752050.34	8.43136	(12080821)		
473495.10	3751996.58	7.85741	(13070920)	473486.50
3751917.74	7.87355	(13082920)		
473392.60	3752058.22	8.25739	(13090121)	473464.28
3752082.59	7.96145	(13090121)		
473550.29	3752087.61	7.57724	(13090121)	473584.69
3752089.76	7.45433	(13090121)		
472765.59	3752474.09	12.13652	(16062023)	470432.16
3750483.93	21.16453	(16100620)		
469244.06	3754182.82	4.63324	(14091624)	469596.75
3750785.65	7.85001	(15021122)		
470466.55	3750530.27	24.21045	(12091321)	469319.29
3749244.53	4.84539	(15100924)		
469229.64	3749502.19	5.12509	(15031221)	468465.38
3749582.33	4.17248	(14051321)		
471438.37	3750129.76	27.04177	(16102220)	471657.54
3749918.78	20.20948	(14092602)		
471732.91	3749916.52	19.17931	(15091223)	471710.30
3750132.80	23.77888	(15091223)		
471273.89	3750119.77	28.38217	(15073004)	470973.43
3752300.84	45.25334	(13062606)		

470973.95	3752278.41	46.30770	(13062606)	470973.95
3752235.65	48.25964	(13062606)		
470971.86	3752174.63	48.98005	(13062606)	470967.17
3752139.16	48.88250	(13062606)		
470962.47	3752110.48	49.26142	(13062606)	470952.57
3752077.10	49.22809	(13062606)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
470935.35	3752029.11	47.75450	(13062606)	470922.32	
3751998.86	46.41953	(13062606)			
470910.32	3751966.53	46.85210	(13062606)	470891.54	
3751915.42	48.76684	(13062606)			
470880.59	3751877.86	49.99204	(13062606)	470874.85	
3751848.14	49.94406	(13062606)			
470871.72	3751810.58	48.82467	(13062606)	470871.20	
3751779.29	47.12498	(13062606)			
470872.25	3751740.70	45.44504	(13062606)	470876.42	
3751710.45	45.28876	(13062606)			
470884.76	3751671.85	46.23739	(13062606)	470900.41	
3751616.57	48.04493	(13062606)			
470911.88	3751582.67	48.37500	(13062606)	470919.71	
3751556.07	47.84731	(13062606)			
470931.18	3751524.25	47.72218	(13062606)	470940.05	
3751496.61	47.34731	(13062606)			
470951.52	3751461.14	46.25973	(13062606)	470961.95	
3751424.64	43.87120	(13041207)			

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,

VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
472283.74	3752640.98	13.79534	(15111008)	472482.23	
3752398.04	12.44817m	(16031408)			
472477.97	3752183.12	15.15695m	(12050224)	472148.10	
3752531.53	20.00643c	(12121708)			
472052.12	3752531.22	25.24387c	(12121708)	471975.52	
3752531.22	28.34074c	(12121708)			
471896.06	3752530.90	30.14517c	(12121708)	471840.76	
3752529.94	31.01059c	(12121708)			
471816.60	3752527.08	31.33249c	(12121708)	471736.82	
3752557.91	29.51367c	(12121708)			
471696.59	3752558.87	29.97483c	(12121708)	471627.29	
3752556.22	31.75648c	(12121708)			
471584.60	3752556.76	32.46446c	(12121708)	471560.01	
3752556.22	32.60409c	(12121708)			
471534.35	3752554.87	32.52308c	(12121708)	471514.89	
3752554.87	32.24668c	(12121708)			
471486.79	3752555.68	32.02980c	(12121708)	471465.72	
3752555.41	31.87633c	(12121708)			
471442.21	3752554.98	31.51781c	(12121708)	471419.71	
3752552.46	31.51958c	(12121708)			
471394.22	3752552.91	31.44280c	(12121708)	471363.44	
3752552.46	31.54933c	(12121708)			
471332.68	3752553.31	31.46181c	(12121708)	471307.62	
3752552.94	31.42390c	(12121708)			
471284.05	3752552.70	31.26629c	(12121708)	471261.98	
3752552.70	31.15759c	(12121708)			
471241.90	3752552.70	31.12302c	(12121708)	471223.15	
3752552.86	31.12671c	(12121708)			
471205.90	3752552.86	31.15368c	(12121708)	471173.21	
3752552.37	31.22235c	(12121708)			
471135.70	3752552.53	30.93230c	(12121708)	471093.22	
3752551.54	30.08624c	(12121708)			
471059.37	3752551.70	28.52301c	(12121708)	471020.54	
3752551.20	26.15273c	(12121708)			
470981.05	3752563.65	22.62085c	(12121708)	470980.39	
3752552.20	23.47466c	(12121708)			
470980.06	3752535.61	24.86560c	(12121708)	470979.89	
3752517.19	26.60849c	(12121708)			
470980.06	3752499.76	28.46610c	(12121708)	470980.22	
3752479.85	30.77141c	(12121708)			
470980.39	3752459.44	33.32869c	(12121708)	470980.22	
3752433.22	36.35442c	(12121708)			
470980.06	3752404.02	38.68574c	(12121708)	470927.12	
3752402.69	28.71173c	(12121708)			
470907.87	3752402.69	26.39464c	(12121708)	470887.30	
3752402.69	24.32945c	(12121708)			
470869.71	3752402.03	22.95034c	(12121708)	470849.63	
3752401.86	21.56612c	(12121708)			
470829.39	3752402.19	20.33647c	(12121708)	470811.63	
3752402.19	19.38254c	(12121708)			
470791.55	3752402.53	18.39982c	(12121708)	470773.63	
3752401.86	17.61900c	(12121708)			

470749.24	3752402.19	16.63510c	(12121708)	470727.72
3752391.74	16.04353c	(12121708)		
470733.04	3752338.97	17.11318c	(12121708)	470733.70
3752320.55	17.41804c	(12121708)		
470734.20	3752291.01	17.88315c	(12121708)	470733.20
3752265.78	18.18756c	(12121708)		
470732.87	3752218.81	18.80489c	(12121708)	470732.54
3752182.14	19.27405c	(12121708)		
470732.37	3752145.29	19.76681c	(12121708)	470692.38
3752144.80	18.00791c	(12121708)		
470670.14	3752144.46	17.13669c	(12121708)	470651.72
3752144.30	16.47510c	(12121708)		
470633.46	3752144.13	15.84460c	(12121708)	470615.54
3752143.97	15.26183c	(12121708)		
470595.95	3752143.30	14.66686c	(12121708)	470577.03
3752143.47	14.13217c	(12121708)		
470553.63	3752143.47	13.51636c	(12121708)	470528.57
3752142.64	12.89454c	(12121708)		
470507.99	3752142.80	12.40282c	(12121708)	470485.59
3752142.47	11.90196c	(12121708)		
470471.60	3752131.63	11.66722c	(12121708)	470471.60
3752109.21	11.78957c	(12121708)		
470471.32	3752085.22	11.91257	(14111708)	470471.46
3752037.68	12.37532	(12122024)		
470471.74	3752013.00	12.60307	(12122024)	470470.89
3751987.18	12.79675	(12122024)		
470470.89	3751965.74	12.96503	(12122024)	470470.75
3751944.44	13.12122	(12122024)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
470470.61	3751924.27	13.23767	(12122024)	470470.47	
3751905.93	13.32290	(12122024)			
470470.89	3751884.06	13.47443	(12122024)	470470.61	
3751864.03	13.55963	(12122024)			
470470.33	3751844.00	13.60688	(12122024)	470470.19	
3751824.53	13.60130	(12122024)			
470470.33	3751805.77	13.61192	(12122024)	470470.33	
3751788.00	13.62250	(12122024)			
470470.33	3751761.19	13.90203	(15012908)	470471.03	
3751741.87	14.20771	(15012908)			

470470.05	3751722.82	14.45919	(15012908)	470470.19
3751703.36	14.72347	(15012908)		
470470.19	3751683.75	14.93302	(15012908)	470470.33
3751664.28	15.10685	(15012908)		
470470.33	3751642.41	15.27605	(15012908)	470470.47
3751621.82	15.37961	(15012908)		
470470.19	3751599.81	15.42911	(15012908)	470470.61
3751578.79	15.46265	(15112224)		
470469.62	3751555.94	15.40041	(14012108)	470470.05
3751512.49	15.27390	(14012108)		
470468.64	3751414.59	14.93630	(13122608)	470469.76
3751385.25	15.31226	(13122608)		
470468.65	3751358.95	15.39966	(13122608)	470462.93
3751325.56	15.31697	(13122608)		
470461.98	3751310.62	15.27858	(13122608)	470462.61
3751296.63	15.21964	(13122608)		
470462.61	3751283.28	15.13063	(13122608)	470462.61
3751269.92	15.00940	(13122608)		
470462.93	3751254.35	14.85432	(13122608)	470461.98
3751240.67	14.73365	(13011908)		
470463.25	3751227.64	14.73717	(13011908)	470756.39
3751290.59	20.12802	(13011908)		
470797.72	3751268.33	20.74120	(14010208)	470891.19
3751226.38	23.05672	(14010208)		
470940.78	3751191.82	23.66039	(14010208)	471000.61
3750923.63	17.35572b	(13120824)		
471029.26	3750923.63	17.31333	(12021624)	471056.29
3750923.90	17.91906	(12021624)		
471077.91	3750924.44	18.25989	(12021624)	471097.64
3750924.44	18.72338	(12021624)		
471118.18	3750924.98	19.18486	(12021624)	471138.99
3750927.42	19.74095	(12021624)		
471160.07	3750928.77	20.37366	(12021708)	471181.15
3750931.47	22.38170	(12021708)		
471201.69	3750930.93	23.34238	(12021708)	471222.50
3750931.47	23.47445	(12021708)		
471244.13	3750931.20	24.19779	(15022208)	471264.40
3750931.74	25.24229	(15022208)		
471284.40	3750931.74	25.98811	(15022208)	471305.75
3750931.74	26.35104	(15022208)		
471324.67	3750930.93	26.17362	(15022208)	471343.05
3750930.12	25.67817	(15022208)		
471363.86	3750929.04	25.24856	(15022208)	471381.96
3750928.77	25.01429	(13111608)		
471400.88	3750928.23	25.49242	(13111608)	471421.15
3750927.96	25.89566	(13111608)		
471440.59	3750928.11	26.00892	(13111608)	471461.83
3750927.45	25.86011	(13111608)		
471479.76	3750927.95	25.75283	(13111608)	471499.68
3750927.62	25.88963	(16013024)		
471519.26	3750928.78	26.14984	(16013024)	471537.02
3750929.61	27.09601	(16013024)		
471556.77	3750930.94	27.72892	(16013024)	471580.68
3750934.09	28.89699	(16013024)		
471624.00	3750940.23	28.84711	(16013024)	471795.90
3750950.11	27.75030	(12031708)		
471796.29	3750967.88	28.38370	(12031708)	471796.69
3750987.22	28.77638	(12031708)		
471797.47	3751006.75	28.61503	(12031708)	471796.69
3751025.30	28.96244	(12031708)		
471795.90	3751046.40	29.26979	(12031708)	471796.69
3751072.96	29.38124	(16013024)		
471797.47	3751143.85	30.26446	(16120624)	471833.01
3751143.85	29.72381	(16120624)		
471867.38	3751144.05	28.15460	(16120624)	471891.02
3751144.44	25.28168	(16120624)		

471916.60 3751144.24 20.16440 (13121824) 471939.45
 3751144.24 19.19629 (13121824)
 471963.08 3751144.44 18.01688 (13121824) 471984.17
 3751144.05 17.17360 (13121824)

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
471999.02	3751163.38	17.70512	(13121824)	472000.19	
3751199.12	20.19140	(16120624)			
471999.80	3751230.56	24.71589	(16120624)	472000.38	
3751251.46	27.12155	(16120624)			
472000.19	3751281.15	28.80587m	(12050208)	472001.95	
3751347.94	32.56035m	(12050208)			
472036.90	3751348.52	30.00421m	(12050208)	472063.07	
3751349.31	28.89702m	(12050208)			
472084.56	3751348.33	27.75122m	(12050208)	472104.87	
3751348.72	26.25339m	(12050208)			
472127.33	3751348.52	23.87572m	(12050208)	472150.76	
3751349.70	20.70639	(16120624)			
472171.47	3751349.50	19.55912	(16120624)	472194.12	
3751349.11	18.46578	(16120624)			
472222.63	3751348.72	17.08566	(16120624)	472247.83	
3751349.50	15.70114	(16120624)			
472269.70	3751349.11	14.53041	(16120624)	472290.40	
3751350.28	14.19241	(16120624)			
472313.64	3751350.48	13.86402	(16120624)	472333.76	
3751351.26	13.55299	(16120624)			
472354.85	3751351.26	12.82567	(12111724)	472377.70	
3751351.06	12.24538	(12111724)			
472401.72	3751351.06	11.74509	(12111724)	472425.55	
3751351.84	11.34953	(12111724)			
472445.67	3751350.67	11.07825	(12111724)	472463.24	
3751350.87	10.80640	(12111724)			
472484.14	3751350.87	10.51434	(12111724)	472503.87	
3751351.26	10.28477	(12111724)			
472523.79	3751351.26	10.08883	(12111724)	472543.32	
3751351.26	9.91110	(12111724)			
472563.24	3751352.24	9.72671	(12111724)	472582.57	
3751352.04	9.54509	(12111724)			
472601.32	3751352.04	9.37240	(12111724)	472606.79	
3751367.27	9.39240	(12111724)			

472607.57	3751396.37	9.56204	(12111724)	472608.55
3751432.11	9.88203b	(16080308)		
472608.94	3751462.58	10.15349m	(12050224)	472609.52
3751497.15	10.62344m	(12050224)		
472610.70	3751553.78	11.31761m	(12050224)	472665.97
3751553.98	10.67939m	(12050224)		
472690.38	3751553.59	10.42179m	(12050224)	472713.50
3751554.27	10.23824m	(12050224)		
472734.64	3751554.04	10.03601m	(12050224)	472759.46
3751554.04	9.80229m	(12050224)		
472781.75	3751554.50	9.61577m	(12050224)	472849.76
3751556.11	9.25190m	(12050224)		
472871.82	3751556.11	9.11013m	(12050224)	472895.25
3751555.65	8.95218m	(12050224)		
472922.60	3751555.88	8.79862m	(12050224)	473092.41
3751802.31	8.86331m	(12050224)		
473204.80	3751856.81	8.22197m	(12050224)	472991.21
3752083.31	8.95969m	(12050224)		
473295.12	3752052.49	7.31936m	(12050224)	473356.76
3752050.34	7.01759m	(12050224)		
473495.10	3751996.58	6.66230m	(12050224)	473486.50
3751917.74	6.87029m	(12050224)		
473392.60	3752058.22	6.82037m	(12050224)	473464.28
3752082.59	6.42251m	(12050224)		
473550.29	3752087.61	6.05688m	(12050224)	473584.69
3752089.76	5.93626m	(12050224)		
472765.59	3752474.09	7.89560	(16100508)	470432.16
3750483.93	13.69791	(12122408)		
469244.06	3754182.82	2.64271	(13050508)	469596.75
3750785.65	7.00895	(13011908)		
470466.55	3750530.27	15.26247	(12122408)	469319.29
3749244.53	3.43117	(13010408)		
469229.64	3749502.19	4.15880	(13010408)	468465.38
3749582.33	3.46264	(12110508)		
471438.37	3750129.76	11.43126	(15022208)	471657.54
3749918.78	8.71944	(15022208)		
471732.91	3749916.52	8.36395	(13111608)	471710.30
3750132.80	10.82601	(13111608)		
471273.89	3750119.77	10.43057	(12021708)	470973.43
3752300.84	38.81916c	(12121708)		
470973.95	3752278.41	39.72511c	(12121708)	470973.95
3752235.65	41.39458c	(12121708)		
470971.86	3752174.63	42.01755c	(12121708)	470967.17
3752139.16	41.95601c	(12121708)		
470962.47	3752110.48	42.28461c	(12121708)	470952.57
3752077.10	42.24381c	(12121708)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
 MICROGRAMS/M**3

X-COORD (M) (M)	Y-COORD (M) CONC (YYMMDDHH)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
470935.35	3752029.11	40.96869c	(12121708)	470922.32	
3751998.86	39.79071c	(12121708)			
470910.32	3751966.53	40.17632c	(12121708)	470891.54	
3751915.42	41.82792c	(12121708)			
470880.59	3751877.86	42.87403c	(12121708)	470874.85	
3751848.14	42.83704c	(12121708)			
470871.72	3751810.58	42.08541	(12113008)	470871.20	
3751779.29	40.68474	(12113008)			
470872.25	3751740.70	39.04730	(12113008)	470876.42	
3751710.45	38.85528c	(12121708)			
470884.76	3751671.85	39.66387c	(12121708)	470900.41	
3751616.57	41.35095	(12113008)			
470911.88	3751582.67	41.96232	(12113008)	470919.71	
3751556.07	41.42788	(12113008)			
470931.18	3751524.25	40.95617	(12113008)	470940.05	
3751496.61	40.59536c	(12121708)			
470951.52	3751461.14	39.65988c	(12121708)	470961.95	
3751424.64	37.49853c	(12121708)			

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF CO IN **
 MICROGRAMS/M**3

DATE

NETWORK

GROUP ID AVERAGE CONC (YYMMDDHH) RECEPTOR (XR, YR,
 ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID

ALL HIGH 1ST HIGH VALUE IS 52.16890 ON 13090322: AT (471305.75, 3750931.74,
 536.50, 536.50, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
 GP = GRIDPOLR
 DC = DISCCART
 DP = DISCPOLR

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF CO IN
MICROGRAMS/M**3

**

GROUP ID AVERAGE CONC DATE NETWORK
ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID RECEPTOR (XR, YR,

ALL HIGH 1ST HIGH VALUE IS 42.87403c ON 12121708: AT (470880.59, 3751877.86,
512.35, 512.35, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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 146 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 146 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 10/25/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\LSTs\14064 Ops NO2\14064 Ops
NO2.ADI
**

```

```

*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME 1
URBANOPT 2189641 Riverside_County
POLLUTID NOX
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14064 Ops NO2.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	471175.473	3752366.407	510.210
LOCATION VOL2	VOLUME	471362.212	3752367.600	512.450
LOCATION VOL3	VOLUME	471550.136	3752368.393	518.920
LOCATION VOL4	VOLUME	471609.606	3752371.565	516.010
LOCATION VOL5	VOLUME	471796.736	3752342.227	515.100
LOCATION VOL6	VOLUME	471984.660	3752344.605	513.590
LOCATION VOL7	VOLUME	472003.690	3752346.984	512.090
LOCATION VOL8	VOLUME	472002.898	3752159.060	521.590
LOCATION VOL9	VOLUME	471814.181	3752156.682	520.730
LOCATION VOL10	VOLUME	471628.636	3752181.262	526.790
LOCATION VOL11	VOLUME	471440.712	3752181.262	527.380
LOCATION VOL12	VOLUME	471253.581	3752180.469	518.870
LOCATION VOL13	VOLUME	471092.617	3752217.737	509.620
LOCATION VOL14	VOLUME	471074.380	3752029.020	516.070
LOCATION VOL15	VOLUME	471263.889	3751992.546	521.100
LOCATION VOL16	VOLUME	471452.606	3751994.132	529.960
LOCATION VOL17	VOLUME	471640.530	3751992.546	534.940
LOCATION VOL18	VOLUME	471827.661	3751967.965	533.000
LOCATION VOL19	VOLUME	472002.898	3751970.344	527.910
LOCATION VOL20	VOLUME	471845.105	3751780.041	538.850
LOCATION VOL21	VOLUME	471657.181	3751803.829	536.000
LOCATION VOL22	VOLUME	471468.465	3751806.208	528.300
LOCATION VOL23	VOLUME	471280.541	3751807.001	524.990
LOCATION VOL24	VOLUME	471093.410	3751841.890	515.600
LOCATION VOL25	VOLUME	470978.435	3751841.890	518.120
LOCATION VOL26	VOLUME	471014.117	3751654.759	520.370
LOCATION VOL27	VOLUME	471201.248	3751654.759	525.140
LOCATION VOL28	VOLUME	471389.172	3751619.077	534.860

LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810

** Source Parameters **

SRCPARAM VOL1	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL2	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL3	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL4	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL5	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL6	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL7	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL8	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL9	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL10	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL11	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL12	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL13	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL14	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL15	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL16	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL17	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL18	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL19	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL20	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL21	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL22	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL23	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL24	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL25	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL26	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL27	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL28	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL29	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL30	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL31	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL32	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL33	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL34	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL35	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL36	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL37	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL38	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL39	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL40	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL41	0.0240655952	5.000	43.702	1.400
SRCPARAM VOL48	0.0240655952	5.000	43.702	1.400

URBANSRC ALL

SRCGROUP ALL

SO FINISHED

**

 ** AERMOD Receptor Pathway

 **
 **

RE STARTING
INCLUDED "14064 Ops NO2.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
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "14064 OPS NO2.AD\01H1GALL.PLT" 31
SUMMFILE "14064 Ops NO2.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 146 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 146 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/25/23
*** AERMET - VERSION 16216 ***
*** 17:32:05

PAGE 1

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options

* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 42 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Accepts FLAGPOLE Receptor . Heights.
* The User Specified a Pollutant Type of: NOX

**Model Calculates 1 Short Term Average(s) of: 1-HR

**This Run Includes: 42 Source(s); 1 Source Group(s); and 258 Receptor(s)
with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 42 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 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 = 3.5 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 14064 Ops

NO2.err

**File for Summary of Results: 14064 Ops

NO2.sum

VOL24	0	0.24066E-01	471093.4	3751841.9	515.6	5.00	43.70	1.40
YES								
VOL25	0	0.24066E-01	470978.4	3751841.9	518.1	5.00	43.70	1.40
YES								
VOL26	0	0.24066E-01	471014.1	3751654.8	520.4	5.00	43.70	1.40
YES								
VOL27	0	0.24066E-01	471201.2	3751654.8	525.1	5.00	43.70	1.40
YES								
VOL28	0	0.24066E-01	471389.2	3751619.1	534.9	5.00	43.70	1.40
YES								
VOL29	0	0.24066E-01	471577.9	3751616.7	529.0	5.00	43.70	1.40
YES								
VOL30	0	0.24066E-01	471724.6	3751620.7	533.8	5.00	43.70	1.40
YES								
VOL31	0	0.24066E-01	471941.0	3751865.7	534.6	5.00	43.70	1.40
YES								
VOL32	0	0.24066E-01	471795.2	3751684.9	537.3	5.00	43.70	1.40
YES								
VOL33	0	0.24066E-01	471577.9	3751434.3	531.1	5.00	43.70	1.40
YES								
VOL34	0	0.24066E-01	471390.0	3751431.9	537.3	5.00	43.70	1.40
YES								
VOL35	0	0.24066E-01	471202.0	3751467.6	526.8	5.00	43.70	1.40
YES								
VOL36	0	0.24066E-01	471065.7	3751504.9	522.0	5.00	43.70	1.40
YES								
VOL37	0	0.24066E-01	471656.4	3751514.4	529.5	5.00	43.70	1.40
YES								
VOL38	0	0.24066E-01	471522.4	3751324.1	529.0	5.00	43.70	1.40
YES								
VOL39	0	0.24066E-01	471332.9	3751322.5	529.5	5.00	43.70	1.40
YES								
VOL40	0	0.24066E-01	471282.9	3751321.7	528.2	5.00	43.70	1.40
YES								

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	CATS.	BY					

VOL41	0	0.24066E-01	471233.8	3751388.3	528.5	5.00	43.70	1.40
YES								
VOL48	0	0.24066E-01	471084.5	3752407.2	506.8	5.00	43.70	1.40
YES								

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs							
-----	-----							
ALL	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	, VOL6	,	
VOL7	, VOL8	,						
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,	
	VOL15	, VOL16	,					
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,	
	VOL23	, VOL24	,					
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,	
	VOL31	, VOL32	,					
	VOL33	, VOL34	, VOL35	, VOL36	, VOL37	, VOL38	,	
	VOL39	, VOL40	,					
	VOL41	, VOL48	,					

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs							
-----	-----	-----							
	2189641.	VOL1	, VOL2	, VOL3	, VOL4	, VOL5	,		
VOL8	, VOL6	, VOL7	,						
	VOL9	, VOL10	, VOL11	, VOL12	, VOL13	, VOL14	,		
	VOL15	, VOL16	,						
	VOL17	, VOL18	, VOL19	, VOL20	, VOL21	, VOL22	,		
	VOL23	, VOL24	,						
	VOL25	, VOL26	, VOL27	, VOL28	, VOL29	, VOL30	,		
	VOL31	, VOL32	,						
	VOL33	, VOL34	, VOL35	, VOL36	, VOL37	, VOL38	,		
	VOL39	, VOL40	,						
	VOL41	, VOL48	,						

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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497.3,      497.3,      2.0);
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499.7,      499.7,      2.0);
( 470471.7, 3752013.0,      500.0,      500.0,      2.0); ( 470470.9, 3751987.2,
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500.1,      500.1,      2.0);
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499.0,      499.0,      2.0);
( 470470.9, 3751884.1,      499.1,      499.1,      2.0); ( 470470.6, 3751864.0,
498.6,      498.6,      2.0);
( 470470.3, 3751844.0,      497.9,      497.9,      2.0); ( 470470.2, 3751824.5,
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495.1,      502.0,      2.0);
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499.5,      499.5,      2.0);

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/25/23

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*** AERMET - VERSION 16216 ***
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*** 17:32:05

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PAGE 7

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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506.2,      506.2,      2.0);
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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/25/23

*** AERMET - VERSION 16216 ***

17:32:05

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(472354.8, 3751351.3,	518.5,	532.0,	2.0);	(472377.7, 3751351.1,
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511.8, 532.0,	2.0);			
(472445.7, 3751350.7,	511.1,	532.0,	2.0);	(472463.2, 3751350.9,
509.4, 532.0,	2.0);			
(472484.1, 3751350.9,	507.3,	532.0,	2.0);	(472503.9, 3751351.3,
506.3, 532.0,	2.0);			
(472523.8, 3751351.3,	506.2,	531.0,	2.0);	(472543.3, 3751351.3,
506.4, 506.4,	2.0);			
(472563.2, 3751352.2,	506.1,	506.1,	2.0);	(472582.6, 3751352.0,
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(472601.3, 3751352.0,	505.3,	505.3,	2.0);	(472606.8, 3751367.3,
504.3, 504.3,	2.0);			
(472607.6, 3751396.4,	504.2,	504.2,	2.0);	(472608.5, 3751432.1,
505.0, 505.0,	2.0);			
(472608.9, 3751462.6,	504.4,	504.4,	2.0);	(472609.5, 3751497.1,
505.0, 505.0,	2.0);			
(472610.7, 3751553.8,	505.4,	505.4,	2.0);	(472666.0, 3751554.0,
501.3, 501.3,	2.0);			
(472690.4, 3751553.6,	499.8,	499.8,	2.0);	(472713.5, 3751554.3,
499.2, 499.2,	2.0);			
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532.6, 532.6,	2.0);			
(469244.1, 3754182.8,	471.3,	485.0,	2.0);	(469596.8, 3750785.6,
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535.4, 535.4,	2.0);			
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503.8, 503.8,	2.0);			
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Surface file:
 KRAL_V9_ADJU\KRAL_v9.SFC
 Version: 16216
 Profile file:
 KRAL_V9_ADJU\KRAL_v9.PFL
 Surface format:
 FREE

Met

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

```

F indicates top of profile (=1) or below (=0)

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***          10/25/23

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

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INCLUDING SOURCE(S):  VOL1      , VOL2      ,
VOL3      , VOL4      , VOL5
VOL6      , VOL7      , VOL8      , VOL9      , VOL10     ,
VOL11     , VOL12     , VOL13     ,
VOL14     , VOL15     , VOL16     , VOL17     , VOL18     ,
VOL19     , VOL20     , VOL21     ,
VOL22     , VOL23     , VOL24     , VOL25     , VOL26     ,
VOL27     , VOL28     , . . .    ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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** CONC OF NOX      IN
MICROGRAMS/M**3      **

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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
472283.74	3752640.98	5.16964	(14051521)	472482.23	
3752398.04	4.74519	(12041107)			
472477.97	3752183.12	4.73795	(15092020)	472148.10	
3752531.53	9.63709	(13112916)			
472052.12	3752531.22	11.54499	(13112916)	471975.52	
3752531.22	8.75710	(13112916)			
471896.06	3752530.90	9.30146	(13062606)	471840.76	
3752529.94	9.56907	(13062606)			
471816.60	3752527.08	9.67741	(13062606)	471736.82	
3752557.91	9.22947	(13112916)			
471696.59	3752558.87	10.05634	(13112916)	471627.29	
3752556.22	9.82009	(13112916)			
471584.60	3752556.76	10.01742	(13062606)	471560.01	
3752556.22	10.06012	(13062606)			
471534.35	3752554.87	10.03841	(13062606)	471514.89	
3752554.87	9.95527	(13062606)			
471486.79	3752555.68	9.88440	(13062606)	471465.72	
3752555.41	9.83604	(13062606)			
471442.21	3752554.98	9.72912	(13062606)	471419.71	
3752552.46	9.73178	(13062606)			
471394.22	3752552.91	9.70432	(13062606)	471363.44	
3752552.46	9.73043	(13062606)			
471332.68	3752553.31	9.69676	(13062606)	471307.62	
3752552.94	9.68202	(13062606)			
471284.05	3752552.70	9.63436	(13062606)	471261.98	
3752552.70	9.60122	(13062606)			
471241.90	3752552.70	9.59032	(13062606)	471223.15	
3752552.86	9.59053	(13062606)			

471205.90	3752552.86	9.59819	(13062606)	471173.21
3752552.37	9.61878	(13062606)		
471135.70	3752552.53	9.52984	(13062606)	471093.22
3752551.54	9.29204	(15100406)		
471059.37	3752551.70	9.32785	(15062802)	471020.54
3752551.20	8.71483	(15062802)		
470981.05	3752563.65	7.74396	(13083019)	470980.39
3752552.20	8.01586	(13083019)		
470980.06	3752535.61	8.42288	(13083019)	470979.89
3752517.19	8.87529	(13083019)		
470980.06	3752499.76	9.26699	(13083019)	470980.22
3752479.85	9.82126	(14090307)		
470980.39	3752459.44	11.25345	(14090307)	470980.22
3752433.22	12.14303	(14090307)		
470980.06	3752404.02	11.92554	(13062606)	470927.12
3752402.69	8.84587	(13062606)		
470907.87	3752402.69	8.13385	(13062606)	470887.30
3752402.69	7.50017	(13062606)		
470869.71	3752402.03	7.07458	(13062606)	470849.63
3752401.86	6.64754	(13062606)		
470829.39	3752402.19	6.26827	(13062606)	470811.63
3752402.19	5.97411	(13062606)		
470791.55	3752402.53	5.67126	(13062606)	470773.63
3752401.86	5.43093	(15042903)		
470749.24	3752402.19	5.18576	(15042903)	470727.72
3752391.74	5.02740	(15042903)		
470733.04	3752338.97	5.27356	(13062606)	470733.70
3752320.55	5.36750	(13062606)		
470734.20	3752291.01	5.51055	(13062606)	470733.20
3752265.78	5.60467	(13062606)		
470732.87	3752218.81	5.79512	(13062606)	470732.54
3752182.14	5.93961	(13062606)		
470732.37	3752145.29	6.09068	(13062606)	470692.38
3752144.80	5.54844	(13062606)		
470670.14	3752144.46	5.27996	(13062606)	470651.72
3752144.30	5.07583	(13062606)		
470633.46	3752144.13	4.88173	(13062606)	470615.54
3752143.97	4.70236	(13062606)		
470595.95	3752143.30	4.51925	(13062606)	470577.03
3752143.47	4.37524	(14091620)		
470553.63	3752143.47	4.25721	(15071822)	470528.57
3752142.64	4.13869	(15071820)		
470507.99	3752142.80	4.03503	(15071820)	470485.59
3752142.47	3.92727	(15071820)		
470471.60	3752131.63	3.88726	(15071820)	470471.60
3752109.21	3.93660	(15071820)		
470471.32	3752085.22	3.97955	(15071820)	470471.46
3752037.68	4.07219	(15071822)		
470471.74	3752013.00	4.11279	(12010420)	470470.89
3751987.18	4.14323	(16111021)		
470470.89	3751965.74	4.17665	(16111021)	470470.75
3751944.44	4.20546	(16111021)		

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,

VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
470470.61	3751924.27	4.22006	(16111021)	470470.47	
3751905.93	4.22460	(16111021)			
470470.89	3751884.06	4.25087	(16110919)	470470.61	
3751864.03	4.26618	(16110919)			
470470.33	3751844.00	4.26773	(16110919)	470470.19	
3751824.53	4.25096	(16110919)			
470470.33	3751805.77	4.24563	(16110818)	470470.33	
3751788.00	4.24058	(16110818)			
470470.33	3751761.19	4.31221	(16110818)	470471.03	
3751741.87	4.36429	(16110818)			
470470.05	3751722.82	4.40146	(16110818)	470470.19	
3751703.36	4.45773	(14051420)			
470470.19	3751683.75	4.51191	(14051420)	470470.33	
3751664.28	4.55504	(14051420)			
470470.33	3751642.41	4.59577	(14051420)	470470.47	
3751621.82	4.61780	(14051420)			
470470.19	3751599.81	4.62423	(14051420)	470470.61	
3751578.79	4.61997	(14051420)			
470469.62	3751555.94	4.57238	(14051420)	470470.05	
3751512.49	4.47109	(14051420)			
470468.64	3751414.59	4.26678	(16062003)	470469.76	
3751385.25	4.36351	(16062003)			
470468.65	3751358.95	4.38025	(16062003)	470462.93	
3751325.56	4.34848	(16062003)			
470461.98	3751310.62	4.33554	(13050223)	470462.61	
3751296.63	4.32081	(13050223)			
470462.61	3751283.28	4.29780	(13050223)	470462.61	
3751269.92	4.26591	(13050223)			
470462.93	3751254.35	4.22558	(13050223)	470461.98	
3751240.67	4.18836	(13050223)			
470463.25	3751227.64	4.17590	(13050223)	470756.39	
3751290.59	5.73267	(14100421)			
470797.72	3751268.33	5.93511	(14100421)	470891.19	
3751226.38	6.61420	(13083002)			
470940.78	3751191.82	6.86897	(15090923)	471000.61	
3750923.63	6.16114	(15031222)			
471029.26	3750923.63	6.22259	(15031222)	471056.29	
3750923.90	6.48084	(14072222)			
471077.91	3750924.44	6.70138	(14072222)	471097.64	
3750924.44	7.35225	(14072222)			
471118.18	3750924.98	8.13491	(15073004)	471138.99	
3750927.42	8.94226	(14070703)			
471160.07	3750928.77	9.66613	(14070703)	471181.15	
3750931.47	11.05429	(12111622)			
471201.69	3750930.93	11.82031	(12111622)	471222.50	
3750931.47	12.15222	(15102720)			
471244.13	3750931.20	12.78193	(15102720)	471264.40	
3750931.74	13.27654	(15102720)			
471284.40	3750931.74	13.61723	(13090322)	471305.75	
3750931.74	13.80091	(13090322)			
471324.67	3750930.93	13.46292	(13090322)	471343.05	
3750930.12	13.09357	(13070301)			

471363.86	3750929.04	12.81121	(14092602)	471381.96
3750928.77	12.72584	(14092602)		
471400.88	3750928.23	12.70929	(15091223)	471421.15
3750927.96	12.64260	(15091223)		
471440.59	3750928.11	12.45566	(12091920)	471461.83
3750927.45	12.24791	(12091920)		
471479.76	3750927.95	12.08516	(13090522)	471499.68
3750927.62	11.96882	(13090522)		
471519.26	3750928.78	11.84052	(13090522)	471537.02
3750929.61	12.05189	(13090522)		
471556.77	3750930.94	12.09072	(13090522)	471580.68
3750934.09	12.60389	(13090522)		
471624.00	3750940.23	12.87712	(13090322)	471795.90
3750950.11	12.38254	(14070402)		
471796.29	3750967.88	12.51596	(14070402)	471796.69
3750987.22	12.58127	(15100222)		
471797.47	3751006.75	12.44884	(15100222)	471796.69
3751025.30	12.48843	(15100222)		
471795.90	3751046.40	12.57377	(12092021)	471796.69
3751072.96	12.58903	(12092021)		
471797.47	3751143.85	12.53184	(12092021)	471833.01
3751143.85	11.75119	(12092021)		
471867.38	3751144.05	10.50380	(12081722)	471891.02
3751144.44	8.78320	(12081722)		
471916.60	3751144.24	7.08577	(12081621)	471939.45
3751144.24	6.65924	(14083024)		
471963.08	3751144.44	6.21779	(15041821)	471984.17
3751144.05	6.07038	(15041821)		

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 Campus\14064 Ops\140 *** 10/25/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
471999.02	3751163.38	6.07267	(15041821)	472000.19	
3751199.12	6.78529	(15092721)			
471999.80	3751230.56	8.21271	(16061922)	472000.38	
3751251.46	9.21758	(16061922)			
472000.19	3751281.15	9.84492	(14091022)	472001.95	
3751347.94	10.86807	(12080621)			
472036.90	3751348.52	9.81579	(12080624)	472063.07	
3751349.31	9.40351	(12080524)			
472084.56	3751348.33	8.96919	(13063022)	472104.87	
3751348.72	8.40057	(13082222)			

472127.33	3751348.52	7.51622	(12081422)	472150.76
3751349.70	6.63133	(14091223)		
472171.47	3751349.50	6.19015	(12081622)	472194.12
3751349.11	5.98864	(15081620)		
472222.63	3751348.72	5.70508	(16082920)	472247.83
3751349.50	5.46277	(16082920)		
472269.70	3751349.11	5.13749	(16082920)	472290.40
3751350.28	5.03477	(16082920)		
472313.64	3751350.48	4.92829	(16082920)	472333.76
3751351.26	4.82659	(16082920)		
472354.85	3751351.26	4.60715	(16082920)	472377.70
3751351.06	4.41709	(16082920)		
472401.72	3751351.06	4.21754	(16081620)	472425.55
3751351.84	3.98181	(15102418)		
472445.67	3751350.67	3.91454	(15102418)	472463.24
3751350.87	3.80372	(15102418)		
472484.14	3751350.87	3.71540	(15102418)	472503.87
3751351.26	3.65062	(15102418)		
472523.79	3751351.26	3.60075	(15102418)	472543.32
3751351.26	3.55628	(15102418)		
472563.24	3751352.24	3.50471	(15102418)	472582.57
3751352.04	3.45355	(15102418)		
472601.32	3751352.04	3.40303	(15102418)	472606.79
3751367.27	3.39011	(15091321)		
472607.57	3751396.37	3.42546	(15091321)	472608.55
3751432.11	3.47754	(15070221)		
472608.94	3751462.58	3.50764	(15070221)	472609.52
3751497.15	3.56013	(14072920)		
472610.70	3751553.78	3.65472	(12080920)	472665.97
3751553.98	3.45840	(12080920)		
472690.38	3751553.59	3.37931	(12080920)	472713.50
3751554.27	3.32146	(12080920)		
472734.64	3751554.04	3.25841	(12080920)	472759.46
3751554.04	3.18442	(12080920)		
472781.75	3751554.50	3.12419	(12080920)	472849.76
3751556.11	3.00472	(12080920)		
472871.82	3751556.11	2.95834	(12080920)	472895.25
3751555.65	2.90718	(12080920)		
472922.60	3751555.88	2.85551	(12080920)	473092.41
3751802.31	2.62603	(13082619)		
473204.80	3751856.81	2.45466	(13082920)	472991.21
3752083.31	2.84272	(16082919)		
473295.12	3752052.49	2.32050	(13090121)	473356.76
3752050.34	2.23046	(12080821)		
473495.10	3751996.58	2.07862	(13070920)	473486.50
3751917.74	2.08289	(13082920)		
473392.60	3752058.22	2.18444	(13090121)	473464.28
3752082.59	2.10614	(13090121)		
473550.29	3752087.61	2.00450	(13090121)	473584.69
3752089.76	1.97199	(13090121)		
472765.59	3752474.09	3.21063	(16062023)	470432.16
3750483.93	5.59893	(16100620)		
469244.06	3754182.82	1.22569	(14091624)	469596.75
3750785.65	2.07666	(15021122)		
470466.55	3750530.27	6.40470	(12091321)	469319.29
3749244.53	1.28181	(15100924)		
469229.64	3749502.19	1.35581	(15031221)	468465.38
3749582.33	1.10380	(14051321)		
471438.37	3750129.76	7.15371	(16102220)	471657.54
3749918.78	5.34628	(14092602)		
471732.91	3749916.52	5.07375	(15091223)	471710.30
3750132.80	6.29053	(15091223)		
471273.89	3750119.77	7.50830	(15073004)	470973.43
3752300.84	11.97145	(13062606)		
470973.95	3752278.41	12.25037	(13062606)	470973.95
3752235.65	12.76675	(13062606)		

470971.86 3752174.63 12.95733 (13062606) 470967.17
 3752139.16 12.93152 (13062606)
 470962.47 3752110.48 13.03176 (13062606) 470952.57
 3752077.10 13.02294 (13062606)

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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 *** 17:32:05

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
470935.35	3752029.11	12.63312	(13062606)	470922.32	
3751998.86	12.27996	(13062606)			
470910.32	3751966.53	12.39439	(13062606)	470891.54	
3751915.42	12.90092	(13062606)			
470880.59	3751877.86	13.22504	(13062606)	470874.85	
3751848.14	13.21235	(13062606)			
470871.72	3751810.58	12.91622	(13062606)	470871.20	
3751779.29	12.46658	(13062606)			
470872.25	3751740.70	12.02216	(13062606)	470876.42	
3751710.45	11.98082	(13062606)			
470884.76	3751671.85	12.23177	(13062606)	470900.41	
3751616.57	12.70995	(13062606)			
470911.88	3751582.67	12.79727	(13062606)	470919.71	
3751556.07	12.65767	(13062606)			
470931.18	3751524.25	12.62457	(13062606)	470940.05	
3751496.61	12.52540	(13062606)			
470951.52	3751461.14	12.23769	(13062606)	470961.95	
3751424.64	11.60582	(13041207)			

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 10/25/23
 *** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF NOX IN **
 MICROGRAMS/M**3

DATE

GROUP ID ZELEV, ZHILL, ZFLAG)	OF TYPE	AVERAGE CONC GRID-ID	(YYMMDDHH)	RECEPTOR	NETWORK (XR, YR,
----------------------------------	---------	-------------------------	------------	----------	---------------------

ALL HIGH 1ST HIGH VALUE IS 13.80091 ON 13090322: AT (471305.75, 3750931.74,
536.50, 536.50, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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 146 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 146 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 10/25/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\LSTs\14064 Ops PM10\14064 Ops
PM10.ADI
**

```

```

*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2189641 Riverside_County
POLLUTID PM_10
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14064 Ops PM10.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.
LOCATION VOL1	VOLUME	471175.473	3752366.407
LOCATION VOL2	VOLUME	471362.212	3752367.600
LOCATION VOL3	VOLUME	471550.136	3752368.393
LOCATION VOL4	VOLUME	471609.606	3752371.565
LOCATION VOL5	VOLUME	471796.736	3752342.227
LOCATION VOL6	VOLUME	471984.660	3752344.605
LOCATION VOL7	VOLUME	472003.690	3752346.984
LOCATION VOL8	VOLUME	472002.898	3752159.060
LOCATION VOL9	VOLUME	471814.181	3752156.682
LOCATION VOL10	VOLUME	471628.636	3752181.262
LOCATION VOL11	VOLUME	471440.712	3752181.262
LOCATION VOL12	VOLUME	471253.581	3752180.469
LOCATION VOL13	VOLUME	471092.617	3752217.737
LOCATION VOL14	VOLUME	471074.380	3752029.020
LOCATION VOL15	VOLUME	471263.889	3751992.546
LOCATION VOL16	VOLUME	471452.606	3751994.132
LOCATION VOL17	VOLUME	471640.530	3751992.546
LOCATION VOL18	VOLUME	471827.661	3751967.965
LOCATION VOL19	VOLUME	472002.898	3751970.344
LOCATION VOL20	VOLUME	471845.105	3751780.041
LOCATION VOL21	VOLUME	471657.181	3751803.829
LOCATION VOL22	VOLUME	471468.465	3751806.208
LOCATION VOL23	VOLUME	471280.541	3751807.001
LOCATION VOL24	VOLUME	471093.410	3751841.890
LOCATION VOL25	VOLUME	470978.435	3751841.890
LOCATION VOL26	VOLUME	471014.117	3751654.759
LOCATION VOL27	VOLUME	471201.248	3751654.759
LOCATION VOL28	VOLUME	471389.172	3751619.077

LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810

** Source Parameters **

SRCPARAM VOL1	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL2	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL3	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL4	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL5	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL6	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL7	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL8	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL9	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL10	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL11	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL12	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL13	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL14	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL15	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL16	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL17	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL18	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL19	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL20	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL21	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL22	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL23	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL24	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL25	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL26	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL27	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL28	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL29	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL30	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL31	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL32	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL33	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL34	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL35	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL36	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL37	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL38	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL39	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL40	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL41	0.0082276616	5.000	43.702	1.400
SRCPARAM VOL48	0.0082276616	5.000	43.702	1.400

URBANSRC ALL

SRCGROUP ALL

SO FINISHED

**

 ** AERMOD Receptor Pathway

 **
 **

RE STARTING
INCLUDED "14064 Ops PM10.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
RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "14064 OPS PM10.AD\24H1GALL.PLT" 31
SUMMFILE "14064 Ops PM10.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 146 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 146 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/25/23
*** AERMET - VERSION 16216 ***
*** 17:36:11

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options

* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 42 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Accepts FLAGPOLE Receptor . Heights.
* The User Specified a Pollutant Type of: PM_10

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 42 Source(s); 1 Source Group(s); and 258 Receptor(s)
with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 42 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing
Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 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 = 3.5 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 14064 Ops

PM10.err

**File for Summary of Results: 14064 Ops

PM10.sum

VOL24	0	0.82277E-02	471093.4	3751841.9	515.6	5.00	43.70	1.40
YES								
VOL25	0	0.82277E-02	470978.4	3751841.9	518.1	5.00	43.70	1.40
YES								
VOL26	0	0.82277E-02	471014.1	3751654.8	520.4	5.00	43.70	1.40
YES								
VOL27	0	0.82277E-02	471201.2	3751654.8	525.1	5.00	43.70	1.40
YES								
VOL28	0	0.82277E-02	471389.2	3751619.1	534.9	5.00	43.70	1.40
YES								
VOL29	0	0.82277E-02	471577.9	3751616.7	529.0	5.00	43.70	1.40
YES								
VOL30	0	0.82277E-02	471724.6	3751620.7	533.8	5.00	43.70	1.40
YES								
VOL31	0	0.82277E-02	471941.0	3751865.7	534.6	5.00	43.70	1.40
YES								
VOL32	0	0.82277E-02	471795.2	3751684.9	537.3	5.00	43.70	1.40
YES								
VOL33	0	0.82277E-02	471577.9	3751434.3	531.1	5.00	43.70	1.40
YES								
VOL34	0	0.82277E-02	471390.0	3751431.9	537.3	5.00	43.70	1.40
YES								
VOL35	0	0.82277E-02	471202.0	3751467.6	526.8	5.00	43.70	1.40
YES								
VOL36	0	0.82277E-02	471065.7	3751504.9	522.0	5.00	43.70	1.40
YES								
VOL37	0	0.82277E-02	471656.4	3751514.4	529.5	5.00	43.70	1.40
YES								
VOL38	0	0.82277E-02	471522.4	3751324.1	529.0	5.00	43.70	1.40
YES								
VOL39	0	0.82277E-02	471332.9	3751322.5	529.5	5.00	43.70	1.40
YES								
VOL40	0	0.82277E-02	471282.9	3751321.7	528.2	5.00	43.70	1.40
YES								

```

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/25/23
*** AERMET - VERSION 16216 ***
*** 17:36:11

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)			(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
	CATS.	BY						

VOL41	0	0.82277E-02	471233.8	3751388.3	528.5	5.00	43.70	1.40
YES								
VOL48	0	0.82277E-02	471084.5	3752407.2	506.8	5.00	43.70	1.40
YES								

```

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/25/23
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs											
-----	-----											
ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL48	,								

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 *** 10/25/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs										
-----	-----	-----										
	2189641.	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	
VOL8	, VOL6	, VOL7	,									
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL48	,								

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 *** 10/25/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(472283.7, 3752641.0, 492.6, 492.6, 2.0); (472482.2, 3752398.0,
499.3, 499.3, 2.0);
(472478.0, 3752183.1, 505.1, 505.1, 2.0); (472148.1, 3752531.5,
495.2, 502.0, 2.0);
(472052.1, 3752531.2, 499.4, 512.0, 2.0); (471975.5, 3752531.2,
500.5, 514.0, 2.0);
(471896.1, 3752530.9, 503.4, 513.0, 2.0); (471840.8, 3752529.9,
503.4, 513.0, 2.0);
(471816.6, 3752527.1, 500.6, 513.0, 2.0); (471736.8, 3752557.9,
501.5, 501.5, 2.0);
(471696.6, 3752558.9, 500.0, 500.0, 2.0); (471627.3, 3752556.2,
501.9, 512.0, 2.0);
(471584.6, 3752556.8, 504.5, 507.0, 2.0); (471560.0, 3752556.2,
504.6, 507.0, 2.0);
(471534.3, 3752554.9, 503.2, 509.0, 2.0); (471514.9, 3752554.9,
502.2, 519.0, 2.0);
(471486.8, 3752555.7, 503.1, 503.1, 2.0); (471465.7, 3752555.4,
503.1, 503.1, 2.0);
(471442.2, 3752555.0, 501.3, 505.0, 2.0); (471419.7, 3752552.5,
500.3, 505.0, 2.0);
(471394.2, 3752552.9, 501.4, 501.4, 2.0); (471363.4, 3752552.5,
503.5, 503.5, 2.0);
(471332.7, 3752553.3, 505.8, 505.8, 2.0); (471307.6, 3752552.9,
506.9, 506.9, 2.0);
(471284.0, 3752552.7, 506.2, 506.2, 2.0); (471262.0, 3752552.7,
505.7, 505.7, 2.0);
(471241.9, 3752552.7, 505.6, 505.6, 2.0); (471223.1, 3752552.9,
505.9, 505.9, 2.0);
(471205.9, 3752552.9, 506.2, 506.2, 2.0); (471173.2, 3752552.4,
506.5, 506.5, 2.0);
(471135.7, 3752552.5, 506.1, 506.1, 2.0); (471093.2, 3752551.5,
505.4, 505.4, 2.0);
(471059.4, 3752551.7, 504.7, 504.7, 2.0); (471020.5, 3752551.2,
503.1, 503.1, 2.0);
(470981.0, 3752563.6, 502.1, 502.1, 2.0); (470980.4, 3752552.2,
502.5, 502.5, 2.0);
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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/25/23

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)


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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** METEOROLOGICAL DAYS SELECTED FOR PROCESSING ***
(1=YES; 0=NO)

Table with 4 columns of 1s and 0s, representing meteorological data flags for processing.

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,

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file:
 KRAL_V9_ADJU\KRAL_v9.SFC
 Version: 16216
 Profile file:
 KRAL_V9_ADJU\KRAL_v9.PFL
 Surface format:
 FREE

Met

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

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F indicates top of profile (=1) or below (=0)

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***          10/25/23

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

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INCLUDING SOURCE(S):  VOL1      , VOL2      ,
VOL3      , VOL4      , VOL5
VOL6      , VOL7      , VOL8      , VOL9      , VOL10     ,
VOL11     , VOL12     , VOL13     ,
VOL14     , VOL15     , VOL16     , VOL17     , VOL18     ,
VOL19     , VOL20     , VOL21     ,
VOL22     , VOL23     , VOL24     , VOL25     , VOL26     ,
VOL27     , VOL28     , . . .     ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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** CONC OF PM_10      IN
MICROGRAMS/M**3      **

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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
472283.74	3752640.98	0.78635	(12121824)	472482.23	
3752398.04	0.82758	(12120224)			
472477.97	3752183.12	0.93851	(12120224)	472148.10	
3752531.53	1.21146	(12121824)			
472052.12	3752531.22	1.49420	(13121924)	471975.52	
3752531.22	1.69730	(13121924)			
471896.06	3752530.90	1.81477	(13121924)	471840.76	
3752529.94	1.86432	(13121924)			
471816.60	3752527.08	1.86946	(13121924)	471736.82	
3752557.91	1.76647	(13121924)			
471696.59	3752558.87	1.78994	(13121924)	471627.29	
3752556.22	1.91329	(13121924)			
471584.60	3752556.76	1.97331	(13121924)	471560.01	
3752556.22	1.98320	(13121924)			
471534.35	3752554.87	1.97106	(13121924)	471514.89	
3752554.87	1.94808	(13121924)			
471486.79	3752555.68	1.93860	(13121924)	471465.72	
3752555.41	1.92931	(13121924)			
471442.21	3752554.98	1.90012	(13121924)	471419.71	
3752552.46	1.89752	(13121924)			
471394.22	3752552.91	1.90065	(13121924)	471363.44	
3752552.46	1.92078	(13121924)			
471332.68	3752553.31	1.92735	(13121924)	471307.62	
3752552.94	1.93004	(13121924)			
471284.05	3752552.70	1.91951	(13121924)	471261.98	
3752552.70	1.91405	(13121924)			
471241.90	3752552.70	1.91539	(13121924)	471223.15	
3752552.86	1.92111	(13121924)			

471205.90	3752552.86	1.92837	(13121924)	471173.21
3752552.37	1.94366	(13121924)		
471135.70	3752552.53	1.93649	(13121924)	471093.22
3752551.54	1.89112	(13121924)		
471059.37	3752551.70	1.79025	(13121924)	471020.54
3752551.20	1.62763	(13121924)		
470981.05	3752563.65	1.39054	(13121924)	470980.39
3752552.20	1.44673	(13121924)		
470980.06	3752535.61	1.53867	(13121924)	470979.89
3752517.19	1.65430	(13121924)		
470980.06	3752499.76	1.77684	(13121924)	470980.22
3752479.85	1.92673	(13121924)		
470980.39	3752459.44	2.09207	(13121924)	470980.22
3752433.22	2.26946	(13121924)		
470980.06	3752404.02	2.39522	(13121924)	470927.12
3752402.69	1.74463	(13121924)		
470907.87	3752402.69	1.59296	(13121924)	470887.30
3752402.69	1.45761	(13121924)		
470869.71	3752402.03	1.37117	(13121924)	470849.63
3752401.86	1.28473	(13121924)		
470829.39	3752402.19	1.20822	(13121924)	470811.63
3752402.19	1.14892	(13121924)		
470791.55	3752402.53	1.08776	(13121924)	470773.63
3752401.86	1.03895	(13121924)		
470749.24	3752402.19	0.97768	(13121924)	470727.72
3752391.74	0.94078	(13121924)		
470733.04	3752338.97	1.00451	(13121924)	470733.70
3752320.55	1.02224b	(16120624)		
470734.20	3752291.01	1.05028b	(16120624)	470733.20
3752265.78	1.06753b	(16120624)		
470732.87	3752218.81	1.10347b	(16120624)	470732.54
3752182.14	1.13134b	(16120624)		
470732.37	3752145.29	1.16210b	(16120624)	470692.38
3752144.80	1.05851b	(16120624)		
470670.14	3752144.46	1.00702b	(16120624)	470651.72
3752144.30	0.96849b	(16120624)		
470633.46	3752144.13	0.93085b	(16120624)	470615.54
3752143.97	0.89600b	(16120624)		
470595.95	3752143.30	0.86041b	(16120624)	470577.03
3752143.47	0.82905b	(16120624)		
470553.63	3752143.47	0.79300b	(16120624)	470528.57
3752142.64	0.75576b	(16120624)		
470507.99	3752142.80	0.72578b	(16120624)	470485.59
3752142.47	0.69523b	(16120624)		
470471.60	3752131.63	0.68611	(12122024)	470471.60
3752109.21	0.70456	(12122024)		
470471.32	3752085.22	0.72197	(12122024)	470471.46
3752037.68	0.75619	(12122024)		
470471.74	3752013.00	0.77237	(12122024)	470470.89
3751987.18	0.78801m	(13010324)		
470470.89	3751965.74	0.80336m	(13010324)	470470.75
3751944.44	0.81785m	(13010324)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

	INCLUDING SOURCE(S):	VOL1	, VOL2	,	
	VOL3	, VOL4	, VOL5	,	
VOL6	, VOL7	, VOL8	, VOL9	, VOL10	,
VOL11	, VOL12	, VOL13	,		

VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
470470.61	3751924.27	0.82955m	(13010324)	470470.47	
3751905.93	0.83887m	(13010324)			
470470.89	3751884.06	0.85345m	(13010324)	470470.61	
3751864.03	0.86336m	(13010324)			
470470.33	3751844.00	0.87097m	(13010324)	470470.19	
3751824.53	0.87518m	(13010324)			
470470.33	3751805.77	0.88054m	(13010324)	470470.33	
3751788.00	0.88679	(12010124)			
470470.33	3751761.19	0.91206	(12010124)	470471.03	
3751741.87	0.93082	(12010124)			
470470.05	3751722.82	0.94584	(12010124)	470470.19	
3751703.36	0.96182	(12010124)			
470470.19	3751683.75	0.97456	(12010124)	470470.33	
3751664.28	0.98524	(12010124)			
470470.33	3751642.41	0.99561	(12010124)	470470.47	
3751621.82	1.00226	(12010124)			
470470.19	3751599.81	1.00578	(12010124)	470470.61	
3751578.79	1.00729	(12010124)			
470469.62	3751555.94	1.00003	(12010124)	470470.05	
3751512.49	0.98388	(12010124)			
470468.64	3751414.59	0.94951	(13121524)	470469.76	
3751385.25	0.97047	(13121524)			
470468.65	3751358.95	0.97423	(13121524)	470462.93	
3751325.56	0.96665	(13121524)			
470461.98	3751310.62	0.96346	(13121524)	470462.61	
3751296.63	0.95965	(13121524)			
470462.61	3751283.28	0.95402	(13121524)	470462.61	
3751269.92	0.94663	(13121524)			
470462.93	3751254.35	0.93739	(13121524)	470461.98	
3751240.67	0.92852	(13121524)			
470463.25	3751227.64	0.92503	(13121524)	470756.39	
3751290.59	1.31415	(13121524)			
470797.72	3751268.33	1.34764	(13121524)	470891.19	
3751226.38	1.45708	(13121524)			
470940.78	3751191.82	1.46180	(13122424)	471000.61	
3750923.63	0.98112m	(15020724)			
471029.26	3750923.63	1.00309	(15121524)	471056.29	
3750923.90	1.03858	(15121524)			
471077.91	3750924.44	1.06340	(15121524)	471097.64	
3750924.44	1.07820	(15121524)			
471118.18	3750924.98	1.09695	(15121524)	471138.99	
3750927.42	1.11712	(15121524)			
471160.07	3750928.77	1.14031	(12021624)	471181.15	
3750931.47	1.23003m	(15020724)			
471201.69	3750930.93	1.28735m	(15020724)	471222.50	
3750931.47	1.29002	(15022224)			
471244.13	3750931.20	1.34181	(15022224)	471264.40	
3750931.74	1.38292	(15022224)			
471284.40	3750931.74	1.40983	(15022224)	471305.75	
3750931.74	1.41342	(15022224)			
471324.67	3750930.93	1.38962	(15022224)	471343.05	
3750930.12	1.35312	(15022224)			

471363.86	3750929.04	1.31907	(15022224)	471381.96
3750928.77	1.29546	(15022224)		
471400.88	3750928.23	1.27060	(15022224)	471421.15
3750927.96	1.24379	(15022224)		
471440.59	3750928.11	1.21440	(15022224)	471461.83
3750927.45	1.18134	(15022224)		
471479.76	3750927.95	1.16097	(15022224)	471499.68
3750927.62	1.14118	(15022224)		
471519.26	3750928.78	1.12942	(15022224)	471537.02
3750929.61	1.16149	(15022224)		
471556.77	3750930.94	1.18122	(15022224)	471580.68
3750934.09	1.22599	(15022224)		
471624.00	3750940.23	1.22499	(15022224)	471795.90
3750950.11	1.08963	(13111624)		
471796.29	3750967.88	1.12565	(13111624)	471796.69
3750987.22	1.18376b	(16120624)		
471797.47	3751006.75	1.26845b	(16120624)	471796.69
3751025.30	1.34205b	(16120624)		
471795.90	3751046.40	1.43757b	(16120624)	471796.69
3751072.96	1.54904b	(16120624)		
471797.47	3751143.85	1.88367b	(16120624)	471833.01
3751143.85	1.82893b	(16120624)		
471867.38	3751144.05	1.73059b	(16120624)	471891.02
3751144.44	1.61438b	(16120624)		
471916.60	3751144.24	1.41581b	(16120624)	471939.45
3751144.24	1.36036b	(16120624)		
471963.08	3751144.44	1.28874b	(16120624)	471984.17
3751144.05	1.24302b	(16120624)		

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

INCLUDING SOURCE(S):		VOL1	, VOL2	,	
VOL3	, VOL4	, VOL5	, VOL6	,	
VOL7	, VOL8	, VOL9	, VOL10	,	
VOL11	, VOL12	, VOL13	, VOL14	,	
VOL14	, VOL15	, VOL16	, VOL17	, VOL18	,
VOL19	, VOL20	, VOL21	, VOL22	, VOL23	,
VOL22	, VOL23	, VOL24	, VOL25	, VOL26	,
VOL27	, VOL28	, . . .	,		

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN
MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
471999.02	3751163.38	1.27340b	(16120624)	472000.19	
3751199.12	1.41683b	(16120624)			
471999.80	3751230.56	1.60371b	(16120624)	472000.38	
3751251.46	1.71332b	(16120624)			
472000.19	3751281.15	1.81821b	(16120624)	472001.95	
3751347.94	2.01008b	(16120624)			
472036.90	3751348.52	1.86522b	(16120624)	472063.07	
3751349.31	1.79151b	(16120624)			
472084.56	3751348.33	1.71460b	(16120624)	472104.87	
3751348.72	1.64026b	(16120624)			

472127.33	3751348.52	1.55017b	(16120624)	472150.76
3751349.70	1.42983b	(16120624)		
472171.47	3751349.50	1.36875b	(16120624)	472194.12
3751349.11	1.29864b	(16120624)		
472222.63	3751348.72	1.21481b	(16120624)	472247.83
3751349.50	1.14192b	(16120624)		
472269.70	3751349.11	1.07695b	(16120624)	472290.40
3751350.28	1.04837b	(16120624)		
472313.64	3751350.48	1.01845b	(16120624)	472333.76
3751351.26	0.99262b	(16120624)		
472354.85	3751351.26	0.94102b	(16120624)	472377.70
3751351.06	0.90425b	(16120624)		
472401.72	3751351.06	0.86863b	(16120624)	472425.55
3751351.84	0.83550b	(16120624)		
472445.67	3751350.67	0.81298b	(16120624)	472463.24
3751350.87	0.79085b	(16120624)		
472484.14	3751350.87	0.76660b	(16120624)	472503.87
3751351.26	0.74699b	(16120624)		
472523.79	3751351.26	0.72979b	(16120624)	472543.32
3751351.26	0.71402b	(16120624)		
472563.24	3751352.24	0.69781b	(16120624)	472582.57
3751352.04	0.68209b	(16120624)		
472601.32	3751352.04	0.66721b	(16120624)	472606.79
3751367.27	0.66669b	(16120624)		
472607.57	3751396.37	0.67623b	(16120624)	472608.55
3751432.11	0.68926b	(16120624)		
472608.94	3751462.58	0.69790b	(16120624)	472609.52
3751497.15	0.70957b	(16120624)		
472610.70	3751553.78	0.72603b	(16120624)	472665.97
3751553.98	0.66930b	(16120624)		
472690.38	3751553.59	0.64655b	(16120624)	472713.50
3751554.27	0.62797b	(16120624)		
472734.64	3751554.04	0.61014b	(16120624)	472759.46
3751554.04	0.58983b	(16120624)		
472781.75	3751554.50	0.57357	(16051524)	472849.76
3751556.11	0.54383	(16051524)		
472871.82	3751556.11	0.53339	(16051524)	472895.25
3751555.65	0.52219	(16051524)		
472922.60	3751555.88	0.51042	(16051524)	473092.41
3751802.31	0.50259	(12050124)		
473204.80	3751856.81	0.46718	(12050124)	472991.21
3752083.31	0.52428	(12050124)		
473295.12	3752052.49	0.42370	(12050124)	473356.76
3752050.34	0.40594	(12050124)		
473495.10	3751996.58	0.38184	(12050124)	473486.50
3751917.74	0.39016	(12050124)		
473392.60	3752058.22	0.39473	(12050124)	473464.28
3752082.59	0.37234	(12050124)		
473550.29	3752087.61	0.35129	(12050124)	473584.69
3752089.76	0.34419	(12050124)		
472765.59	3752474.09	0.50485	(12120224)	470432.16
3750483.93	0.60857	(12122924)		
469244.06	3754182.82	0.11393	(15030124)	469596.75
3750785.65	0.40226	(13121524)		
470466.55	3750530.27	0.69333	(12122924)	469319.29
3749244.53	0.15110	(13010424)		
469229.64	3749502.19	0.18413	(13010424)	468465.38
3749582.33	0.16578	(12010424)		
471438.37	3750129.76	0.58083	(15022224)	471657.54
3749918.78	0.41517	(15022224)		
471732.91	3749916.52	0.38442	(15022224)	471710.30
3750132.80	0.47744	(15022224)		
471273.89	3750119.77	0.53865	(15022224)	470973.43
3752300.84	2.34417	(13121924)		
470973.95	3752278.41	2.40213	(13121924)	470973.95
3752235.65	2.49572	(13121924)		

470971.86 3752174.63 2.51558 (13121924) 470967.17
 3752139.16 2.52257 (13121924)
 470962.47 3752110.48 2.53769 (13121924) 470952.57
 3752077.10 2.54784 (13121924)

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
470935.35	3752029.11	2.45202	(13121924)	470922.32	
3751998.86	2.36220	(13121924)			
470910.32	3751966.53	2.40422	(13121924)	470891.54	
3751915.42	2.52786	(13121924)			
470880.59	3751877.86	2.59386	(13121924)	470874.85	
3751848.14	2.65236m	(13010324)			
470871.72	3751810.58	2.78248m	(13010324)	470871.20	
3751779.29	2.66238m	(13010324)			
470872.25	3751740.70	2.46755m	(13010324)	470876.42	
3751710.45	2.39910m	(13010324)			
470884.76	3751671.85	2.46625m	(13010324)	470900.41	
3751616.57	2.68594m	(13010324)			
470911.88	3751582.67	2.71847m	(13010324)	470919.71	
3751556.07	2.65834m	(13010324)			
470931.18	3751524.25	2.61816m	(13010324)	470940.05	
3751496.61	2.61035m	(13010324)			
470951.52	3751461.14	2.57909m	(13010324)	470961.95	
3751424.64	2.44043m	(13010324)			

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_10 IN
 MICROGRAMS/M**3 **

DATE

```
GROUP ID          AVERAGE CONC      (YYMMDDHH)      NETWORK
ZELEV, ZHILL, ZFLAG)  OF TYPE  GRID-ID      RECEPTOR  (XR, YR,
```

```
ALL      HIGH      1ST HIGH VALUE IS      2.78248m ON 13010324: AT ( 470871.72, 3751810.58,
517.08, 517.08, 2.00) DC
```

```
*** RECEPTOR TYPES:  GC = GRIDCART
                       GP = GRIDPOLR
                       DC = DISCCART
                       DP = DISCPOLR
```

```
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```

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```
*** MODELOPTs:  RegDEFAULT CONC ELEV FLGPOL 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 146 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 146 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET
```

```
*****
*** AERMOD Finishes Successfully ***
*****
```

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 10/25/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\LSTs\14064 Ops PM25\14064 Ops
PM25.ADI
**

```

```

*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2189641 Riverside_County
POLLUTID PM_2.5
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14064 Ops PM25.err"

```

```

CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**

```

```

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **

```

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	471175.473	3752366.407	510.210
LOCATION VOL2	VOLUME	471362.212	3752367.600	512.450
LOCATION VOL3	VOLUME	471550.136	3752368.393	518.920
LOCATION VOL4	VOLUME	471609.606	3752371.565	516.010
LOCATION VOL5	VOLUME	471796.736	3752342.227	515.100
LOCATION VOL6	VOLUME	471984.660	3752344.605	513.590
LOCATION VOL7	VOLUME	472003.690	3752346.984	512.090
LOCATION VOL8	VOLUME	472002.898	3752159.060	521.590
LOCATION VOL9	VOLUME	471814.181	3752156.682	520.730
LOCATION VOL10	VOLUME	471628.636	3752181.262	526.790
LOCATION VOL11	VOLUME	471440.712	3752181.262	527.380
LOCATION VOL12	VOLUME	471253.581	3752180.469	518.870
LOCATION VOL13	VOLUME	471092.617	3752217.737	509.620
LOCATION VOL14	VOLUME	471074.380	3752029.020	516.070
LOCATION VOL15	VOLUME	471263.889	3751992.546	521.100
LOCATION VOL16	VOLUME	471452.606	3751994.132	529.960
LOCATION VOL17	VOLUME	471640.530	3751992.546	534.940
LOCATION VOL18	VOLUME	471827.661	3751967.965	533.000
LOCATION VOL19	VOLUME	472002.898	3751970.344	527.910
LOCATION VOL20	VOLUME	471845.105	3751780.041	538.850
LOCATION VOL21	VOLUME	471657.181	3751803.829	536.000
LOCATION VOL22	VOLUME	471468.465	3751806.208	528.300
LOCATION VOL23	VOLUME	471280.541	3751807.001	524.990
LOCATION VOL24	VOLUME	471093.410	3751841.890	515.600
LOCATION VOL25	VOLUME	470978.435	3751841.890	518.120
LOCATION VOL26	VOLUME	471014.117	3751654.759	520.370
LOCATION VOL27	VOLUME	471201.248	3751654.759	525.140
LOCATION VOL28	VOLUME	471389.172	3751619.077	534.860

LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810

** Source Parameters **

SRCPARAM VOL1	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL2	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL3	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL4	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL5	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL6	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL7	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL8	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL9	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL10	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL11	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL12	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL13	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL14	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL15	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL16	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL17	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL18	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL19	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL20	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL21	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL22	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL23	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL24	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL25	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL26	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL27	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL28	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL29	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL30	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL31	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL32	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL33	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL34	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL35	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL36	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL37	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL38	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL39	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL40	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL41	0.0025955563	5.000	43.702	1.400
SRCPARAM VOL48	0.0025955563	5.000	43.702	1.400

URBANSRC ALL

SRCGROUP ALL

SO FINISHED

**

 ** AERMOD Receptor Pathway

 **
 **

RE STARTING
INCLUDED "14064 Ops PM25.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
RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "14064 OPS PM25.AD\24H1GALL.PLT" 31
SUMMFILE "14064 Ops PM25.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 146 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 146 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options

* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 42 Source(s),
for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Accepts FLAGPOLE Receptor . Heights.
* The User Specified a Pollutant Type of: PM_2.5

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 42 Source(s); 1 Source Group(s); and 258 Receptor(s)
with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 42 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing
Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 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 = 3.5 MB of RAM.

**Input Runstream File:

aermod.inp

**Output Print File:

aermod.out

**Detailed Error/Message File: 14064 Ops
PM25.err

**File for Summary of Results: 14064 Ops
PM25.sum

VOL24	0	0.25956E-02	471093.4	3751841.9	515.6	5.00	43.70	1.40
YES								
VOL25	0	0.25956E-02	470978.4	3751841.9	518.1	5.00	43.70	1.40
YES								
VOL26	0	0.25956E-02	471014.1	3751654.8	520.4	5.00	43.70	1.40
YES								
VOL27	0	0.25956E-02	471201.2	3751654.8	525.1	5.00	43.70	1.40
YES								
VOL28	0	0.25956E-02	471389.2	3751619.1	534.9	5.00	43.70	1.40
YES								
VOL29	0	0.25956E-02	471577.9	3751616.7	529.0	5.00	43.70	1.40
YES								
VOL30	0	0.25956E-02	471724.6	3751620.7	533.8	5.00	43.70	1.40
YES								
VOL31	0	0.25956E-02	471941.0	3751865.7	534.6	5.00	43.70	1.40
YES								
VOL32	0	0.25956E-02	471795.2	3751684.9	537.3	5.00	43.70	1.40
YES								
VOL33	0	0.25956E-02	471577.9	3751434.3	531.1	5.00	43.70	1.40
YES								
VOL34	0	0.25956E-02	471390.0	3751431.9	537.3	5.00	43.70	1.40
YES								
VOL35	0	0.25956E-02	471202.0	3751467.6	526.8	5.00	43.70	1.40
YES								
VOL36	0	0.25956E-02	471065.7	3751504.9	522.0	5.00	43.70	1.40
YES								
VOL37	0	0.25956E-02	471656.4	3751514.4	529.5	5.00	43.70	1.40
YES								
VOL38	0	0.25956E-02	471522.4	3751324.1	529.0	5.00	43.70	1.40
YES								
VOL39	0	0.25956E-02	471332.9	3751322.5	529.5	5.00	43.70	1.40
YES								
VOL40	0	0.25956E-02	471282.9	3751321.7	528.2	5.00	43.70	1.40
YES								

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	SCALAR VARY	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	CATS.	BY						

VOL41	0	0.25956E-02	471233.8	3751388.3	528.5	5.00	43.70	1.40
YES								
VOL48	0	0.25956E-02	471084.5	3752407.2	506.8	5.00	43.70	1.40
YES								

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs											
-----	-----											
ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL48	,								

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 *** 10/25/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs										
-----	-----	-----										
	2189641.	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	
VOL8	, VOL6	, VOL7	,									
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL48	,								

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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498.8,      498.8,      2.0);
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( 470471.6, 3752131.6,    496.1,    496.1,    2.0); ( 470471.6, 3752109.2,
497.3,      497.3,      2.0);
( 470471.3, 3752085.2,    498.1,    498.1,    2.0); ( 470471.5, 3752037.7,
499.7,      499.7,      2.0);
( 470471.7, 3752013.0,    500.0,    500.0,    2.0); ( 470470.9, 3751987.2,
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500.1,      500.1,      2.0);
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( 470470.9, 3751884.1,    499.1,    499.1,    2.0); ( 470470.6, 3751864.0,
498.6,      498.6,      2.0);
( 470470.3, 3751844.0,    497.9,    497.9,    2.0); ( 470470.2, 3751824.5,
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495.1,      502.0,      2.0);
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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/25/23

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*** AERMET - VERSION 16216 ***
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*** 17:43:41

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PAGE 7

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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506.2,      506.2,      2.0);
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( 470469.6, 3751555.9,    507.6,    507.6,    2.0); ( 470470.0, 3751512.5,
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( 470468.6, 3751358.9,    509.6,    509.6,    2.0); ( 470462.9, 3751325.6,
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( 470797.7, 3751268.3,    507.7,    525.0,    2.0); ( 470891.2, 3751226.4,
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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 10/25/23

*** AERMET - VERSION 16216 ***

17:43:41

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(472354.8, 3751351.3,	518.5,	532.0,	2.0);	(472377.7, 3751351.1,
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511.8, 532.0,	2.0);			
(472445.7, 3751350.7,	511.1,	532.0,	2.0);	(472463.2, 3751350.9,
509.4, 532.0,	2.0);			
(472484.1, 3751350.9,	507.3,	532.0,	2.0);	(472503.9, 3751351.3,
506.3, 532.0,	2.0);			
(472523.8, 3751351.3,	506.2,	531.0,	2.0);	(472543.3, 3751351.3,
506.4, 506.4,	2.0);			
(472563.2, 3751352.2,	506.1,	506.1,	2.0);	(472582.6, 3751352.0,
505.8, 505.8,	2.0);			
(472601.3, 3751352.0,	505.3,	505.3,	2.0);	(472606.8, 3751367.3,
504.3, 504.3,	2.0);			
(472607.6, 3751396.4,	504.2,	504.2,	2.0);	(472608.5, 3751432.1,
505.0, 505.0,	2.0);			
(472608.9, 3751462.6,	504.4,	504.4,	2.0);	(472609.5, 3751497.1,
505.0, 505.0,	2.0);			
(472610.7, 3751553.8,	505.4,	505.4,	2.0);	(472666.0, 3751554.0,
501.3, 501.3,	2.0);			
(472690.4, 3751553.6,	499.8,	499.8,	2.0);	(472713.5, 3751554.3,
499.2, 499.2,	2.0);			
(472734.6, 3751554.0,	497.9,	497.9,	2.0);	(472759.5, 3751554.0,
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(472781.8, 3751554.5,	494.9,	499.0,	2.0);	(472849.8, 3751556.1,
495.4, 495.4,	2.0);			
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486.1, 486.1,	2.0);			
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476.8, 476.8,	2.0);			
(473495.1, 3751996.6,	476.0,	476.0,	2.0);	(473486.5, 3751917.7,
475.8, 475.8,	2.0);			
(473392.6, 3752058.2,	475.9,	475.9,	2.0);	(473464.3, 3752082.6,
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(473550.3, 3752087.6,	473.0,	473.0,	2.0);	(473584.7, 3752089.8,
473.0, 473.0,	2.0);			
(472765.6, 3752474.1,	477.2,	495.0,	2.0);	(470432.2, 3750483.9,
532.6, 532.6,	2.0);			
(469244.1, 3754182.8,	471.3,	485.0,	2.0);	(469596.8, 3750785.6,
493.4, 493.4,	2.0);			
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500.0, 500.0,	2.0);			
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490.5, 490.5,	2.0);			
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535.4, 535.4,	2.0);			
(471732.9, 3749916.5,	534.7,	534.7,	2.0);	(471710.3, 3750132.8,
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503.8, 503.8,	2.0);			
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Surface file:
 KRAL_V9_ADJU\KRAL_v9.SFC
 Version: 16216
 Profile file:
 KRAL_V9_ADJU\KRAL_v9.PFL
 Surface format:
 FREE

Met

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

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F indicates top of profile (=1) or below (=0)

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***          10/25/23

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

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INCLUDING SOURCE(S):  VOL1      , VOL2      ,
VOL3      , VOL4      , VOL5
VOL6      , VOL7      , VOL8      , VOL9      , VOL10     ,
VOL11     , VOL12     , VOL13     ,
VOL14     , VOL15     , VOL16     , VOL17     , VOL18     ,
VOL19     , VOL20     , VOL21     ,
VOL22     , VOL23     , VOL24     , VOL25     , VOL26     ,
VOL27     , VOL28     , . . .    ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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** CONC OF PM_2.5 IN
MICROGRAMS/M**3 **

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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
472283.74	3752640.98	0.24807	(12121824)	472482.23	
3752398.04	0.26107	(12120224)			
472477.97	3752183.12	0.29607	(12120224)	472148.10	
3752531.53	0.38218	(12121824)			
472052.12	3752531.22	0.47137	(13121924)	471975.52	
3752531.22	0.53544	(13121924)			
471896.06	3752530.90	0.57250	(13121924)	471840.76	
3752529.94	0.58813	(13121924)			
471816.60	3752527.08	0.58975	(13121924)	471736.82	
3752557.91	0.55726	(13121924)			
471696.59	3752558.87	0.56467	(13121924)	471627.29	
3752556.22	0.60358	(13121924)			
471584.60	3752556.76	0.62251	(13121924)	471560.01	
3752556.22	0.62563	(13121924)			
471534.35	3752554.87	0.62180	(13121924)	471514.89	
3752554.87	0.61455	(13121924)			
471486.79	3752555.68	0.61156	(13121924)	471465.72	
3752555.41	0.60863	(13121924)			
471442.21	3752554.98	0.59942	(13121924)	471419.71	
3752552.46	0.59861	(13121924)			
471394.22	3752552.91	0.59959	(13121924)	471363.44	
3752552.46	0.60594	(13121924)			
471332.68	3752553.31	0.60801	(13121924)	471307.62	
3752552.94	0.60886	(13121924)			
471284.05	3752552.70	0.60554	(13121924)	471261.98	
3752552.70	0.60382	(13121924)			
471241.90	3752552.70	0.60424	(13121924)	471223.15	
3752552.86	0.60605	(13121924)			

471205.90	3752552.86	0.60834	(13121924)	471173.21
3752552.37	0.61316	(13121924)		
471135.70	3752552.53	0.61090	(13121924)	471093.22
3752551.54	0.59659	(13121924)		
471059.37	3752551.70	0.56476	(13121924)	471020.54
3752551.20	0.51346	(13121924)		
470981.05	3752563.65	0.43867	(13121924)	470980.39
3752552.20	0.45639	(13121924)		
470980.06	3752535.61	0.48540	(13121924)	470979.89
3752517.19	0.52188	(13121924)		
470980.06	3752499.76	0.56053	(13121924)	470980.22
3752479.85	0.60782	(13121924)		
470980.39	3752459.44	0.65998	(13121924)	470980.22
3752433.22	0.71594	(13121924)		
470980.06	3752404.02	0.75561	(13121924)	470927.12
3752402.69	0.55037	(13121924)		
470907.87	3752402.69	0.50253	(13121924)	470887.30
3752402.69	0.45983	(13121924)		
470869.71	3752402.03	0.43256	(13121924)	470849.63
3752401.86	0.40529	(13121924)		
470829.39	3752402.19	0.38115	(13121924)	470811.63
3752402.19	0.36245	(13121924)		
470791.55	3752402.53	0.34315	(13121924)	470773.63
3752401.86	0.32775	(13121924)		
470749.24	3752402.19	0.30843	(13121924)	470727.72
3752391.74	0.29679	(13121924)		
470733.04	3752338.97	0.31689	(13121924)	470733.70
3752320.55	0.32248b	(16120624)		
470734.20	3752291.01	0.33133b	(16120624)	470733.20
3752265.78	0.33677b	(16120624)		
470732.87	3752218.81	0.34811b	(16120624)	470732.54
3752182.14	0.35690b	(16120624)		
470732.37	3752145.29	0.36660b	(16120624)	470692.38
3752144.80	0.33392b	(16120624)		
470670.14	3752144.46	0.31768b	(16120624)	470651.72
3752144.30	0.30553b	(16120624)		
470633.46	3752144.13	0.29365b	(16120624)	470615.54
3752143.97	0.28266b	(16120624)		
470595.95	3752143.30	0.27143b	(16120624)	470577.03
3752143.47	0.26154b	(16120624)		
470553.63	3752143.47	0.25016b	(16120624)	470528.57
3752142.64	0.23842b	(16120624)		
470507.99	3752142.80	0.22896b	(16120624)	470485.59
3752142.47	0.21932b	(16120624)		
470471.60	3752131.63	0.21645	(12122024)	470471.60
3752109.21	0.22226	(12122024)		
470471.32	3752085.22	0.22776	(12122024)	470471.46
3752037.68	0.23855	(12122024)		
470471.74	3752013.00	0.24366	(12122024)	470470.89
3751987.18	0.24859m	(13010324)		
470470.89	3751965.74	0.25343m	(13010324)	470470.75
3751944.44	0.25801m	(13010324)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

	INCLUDING SOURCE(S):	VOL1	, VOL2	,	
	VOL3	, VOL4	, VOL5	,	
VOL6	, VOL7	, VOL8	, VOL9	, VOL10	,
VOL11	, VOL12	, VOL13	,		

VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN
 MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
470470.61	3751924.27	0.26169m	(13010324)	470470.47	
3751905.93	0.26464m	(13010324)			
470470.89	3751884.06	0.26923m	(13010324)	470470.61	
3751864.03	0.27236m	(13010324)			
470470.33	3751844.00	0.27476m	(13010324)	470470.19	
3751824.53	0.27609m	(13010324)			
470470.33	3751805.77	0.27778m	(13010324)	470470.33	
3751788.00	0.27975	(12010124)			
470470.33	3751761.19	0.28772	(12010124)	470471.03	
3751741.87	0.29364	(12010124)			
470470.05	3751722.82	0.29838	(12010124)	470470.19	
3751703.36	0.30342	(12010124)			
470470.19	3751683.75	0.30744	(12010124)	470470.33	
3751664.28	0.31081	(12010124)			
470470.33	3751642.41	0.31408	(12010124)	470470.47	
3751621.82	0.31618	(12010124)			
470470.19	3751599.81	0.31729	(12010124)	470470.61	
3751578.79	0.31777	(12010124)			
470469.62	3751555.94	0.31548	(12010124)	470470.05	
3751512.49	0.31038	(12010124)			
470468.64	3751414.59	0.29954	(13121524)	470469.76	
3751385.25	0.30615	(13121524)			
470468.65	3751358.95	0.30734	(13121524)	470462.93	
3751325.56	0.30495	(13121524)			
470461.98	3751310.62	0.30394	(13121524)	470462.61	
3751296.63	0.30274	(13121524)			
470462.61	3751283.28	0.30096	(13121524)	470462.61	
3751269.92	0.29863	(13121524)			
470462.93	3751254.35	0.29572	(13121524)	470461.98	
3751240.67	0.29292	(13121524)			
470463.25	3751227.64	0.29182	(13121524)	470756.39	
3751290.59	0.41457	(13121524)			
470797.72	3751268.33	0.42514	(13121524)	470891.19	
3751226.38	0.45966	(13121524)			
470940.78	3751191.82	0.46115	(13122424)	471000.61	
3750923.63	0.30951m	(15020724)			
471029.26	3750923.63	0.31644	(15121524)	471056.29	
3750923.90	0.32764	(15121524)			
471077.91	3750924.44	0.33547	(15121524)	471097.64	
3750924.44	0.34014	(15121524)			
471118.18	3750924.98	0.34605	(15121524)	471138.99	
3750927.42	0.35242	(15121524)			
471160.07	3750928.77	0.35973	(12021624)	471181.15	
3750931.47	0.38803m	(15020724)			
471201.69	3750930.93	0.40612m	(15020724)	471222.50	
3750931.47	0.40696	(15022224)			
471244.13	3750931.20	0.42330	(15022224)	471264.40	
3750931.74	0.43627	(15022224)			
471284.40	3750931.74	0.44476	(15022224)	471305.75	
3750931.74	0.44589	(15022224)			
471324.67	3750930.93	0.43838	(15022224)	471343.05	
3750930.12	0.42686	(15022224)			

471363.86	3750929.04	0.41612	(15022224)	471381.96
3750928.77	0.40867	(15022224)		
471400.88	3750928.23	0.40083	(15022224)	471421.15
3750927.96	0.39237	(15022224)		
471440.59	3750928.11	0.38310	(15022224)	471461.83
3750927.45	0.37267	(15022224)		
471479.76	3750927.95	0.36625	(15022224)	471499.68
3750927.62	0.36000	(15022224)		
471519.26	3750928.78	0.35629	(15022224)	471537.02
3750929.61	0.36641	(15022224)		
471556.77	3750930.94	0.37263	(15022224)	471580.68
3750934.09	0.38676	(15022224)		
471624.00	3750940.23	0.38644	(15022224)	471795.90
3750950.11	0.34374	(13111624)		
471796.29	3750967.88	0.35511	(13111624)	471796.69
3750987.22	0.37344b	(16120624)		
471797.47	3751006.75	0.40015b	(16120624)	471796.69
3751025.30	0.42337b	(16120624)		
471795.90	3751046.40	0.45350b	(16120624)	471796.69
3751072.96	0.48867b	(16120624)		
471797.47	3751143.85	0.59424b	(16120624)	471833.01
3751143.85	0.57697b	(16120624)		
471867.38	3751144.05	0.54594b	(16120624)	471891.02
3751144.44	0.50928b	(16120624)		
471916.60	3751144.24	0.44664b	(16120624)	471939.45
3751144.24	0.42915b	(16120624)		
471963.08	3751144.44	0.40656b	(16120624)	471984.17
3751144.05	0.39213b	(16120624)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 10/25/23

*** AERMET - VERSION 16216 ***

*** 17:43:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S):		VOL1	, VOL2	,	
VOL3	, VOL4	, VOL5	, VOL6	,	
VOL7	, VOL8	, VOL9	, VOL10	,	
VOL11	, VOL12	, VOL13	, VOL14	,	
VOL14	, VOL15	, VOL16	, VOL17	, VOL18	,
VOL19	, VOL20	, VOL21	, VOL22	, VOL23	,
VOL22	, VOL23	, VOL24	, VOL25	, VOL26	,
VOL27	, VOL28	, . . .	,		

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN
 MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
471999.02	3751163.38	0.40172b	(16120624)	472000.19	
3751199.12	0.44696b	(16120624)			
471999.80	3751230.56	0.50592b	(16120624)	472000.38	
3751251.46	0.54050b	(16120624)			
472000.19	3751281.15	0.57358b	(16120624)	472001.95	
3751347.94	0.63411b	(16120624)			
472036.90	3751348.52	0.58842b	(16120624)	472063.07	
3751349.31	0.56516b	(16120624)			
472084.56	3751348.33	0.54090b	(16120624)	472104.87	
3751348.72	0.51745b	(16120624)			

472127.33	3751348.52	0.48903b	(16120624)	472150.76
3751349.70	0.45106b	(16120624)		
472171.47	3751349.50	0.43179b	(16120624)	472194.12
3751349.11	0.40968b	(16120624)		
472222.63	3751348.72	0.38323b	(16120624)	472247.83
3751349.50	0.36024b	(16120624)		
472269.70	3751349.11	0.33974b	(16120624)	472290.40
3751350.28	0.33072b	(16120624)		
472313.64	3751350.48	0.32129b	(16120624)	472333.76
3751351.26	0.31314b	(16120624)		
472354.85	3751351.26	0.29686b	(16120624)	472377.70
3751351.06	0.28526b	(16120624)		
472401.72	3751351.06	0.27402b	(16120624)	472425.55
3751351.84	0.26357b	(16120624)		
472445.67	3751350.67	0.25647b	(16120624)	472463.24
3751350.87	0.24949b	(16120624)		
472484.14	3751350.87	0.24184b	(16120624)	472503.87
3751351.26	0.23565b	(16120624)		
472523.79	3751351.26	0.23022b	(16120624)	472543.32
3751351.26	0.22525b	(16120624)		
472563.24	3751352.24	0.22013b	(16120624)	472582.57
3751352.04	0.21518b	(16120624)		
472601.32	3751352.04	0.21048b	(16120624)	472606.79
3751367.27	0.21032b	(16120624)		
472607.57	3751396.37	0.21333b	(16120624)	472608.55
3751432.11	0.21744b	(16120624)		
472608.94	3751462.58	0.22016b	(16120624)	472609.52
3751497.15	0.22385b	(16120624)		
472610.70	3751553.78	0.22904b	(16120624)	472665.97
3751553.98	0.21114b	(16120624)		
472690.38	3751553.59	0.20397b	(16120624)	472713.50
3751554.27	0.19810b	(16120624)		
472734.64	3751554.04	0.19248b	(16120624)	472759.46
3751554.04	0.18607b	(16120624)		
472781.75	3751554.50	0.18094	(16051524)	472849.76
3751556.11	0.17156	(16051524)		
472871.82	3751556.11	0.16827	(16051524)	472895.25
3751555.65	0.16473	(16051524)		
472922.60	3751555.88	0.16102	(16051524)	473092.41
3751802.31	0.15855	(12050124)		
473204.80	3751856.81	0.14738	(12050124)	472991.21
3752083.31	0.16539	(12050124)		
473295.12	3752052.49	0.13366	(12050124)	473356.76
3752050.34	0.12806	(12050124)		
473495.10	3751996.58	0.12046	(12050124)	473486.50
3751917.74	0.12308	(12050124)		
473392.60	3752058.22	0.12452	(12050124)	473464.28
3752082.59	0.11746	(12050124)		
473550.29	3752087.61	0.11082	(12050124)	473584.69
3752089.76	0.10858	(12050124)		
472765.59	3752474.09	0.15926	(12120224)	470432.16
3750483.93	0.19198	(12122924)		
469244.06	3754182.82	0.03594	(15030124)	469596.75
3750785.65	0.12690	(13121524)		
470466.55	3750530.27	0.21872	(12122924)	469319.29
3749244.53	0.04767	(13010424)		
469229.64	3749502.19	0.05809	(13010424)	468465.38
3749582.33	0.05230	(12010424)		
471438.37	3750129.76	0.18323	(15022224)	471657.54
3749918.78	0.13097	(15022224)		
471732.91	3749916.52	0.12127	(15022224)	471710.30
3750132.80	0.15062	(15022224)		
471273.89	3750119.77	0.16993	(15022224)	470973.43
3752300.84	0.73951	(13121924)		
470973.95	3752278.41	0.75779	(13121924)	470973.95
3752235.65	0.78732	(13121924)		

470971.86 3752174.63 0.79358 (13121924) 470967.17
 3752139.16 0.79579 (13121924)
 470962.47 3752110.48 0.80056 (13121924) 470952.57
 3752077.10 0.80376 (13121924)

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 10/25/23
 *** AERMET - VERSION 16216 ***
 *** 17:43:41

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR

SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
470935.35	3752029.11	0.77353	(13121924)	470922.32	
3751998.86	0.74520	(13121924)			
470910.32	3751966.53	0.75845	(13121924)	470891.54	
3751915.42	0.79746	(13121924)			
470880.59	3751877.86	0.81828	(13121924)	470874.85	
3751848.14	0.83673m	(13010324)			
470871.72	3751810.58	0.87778m	(13010324)	470871.20	
3751779.29	0.83989m	(13010324)			
470872.25	3751740.70	0.77843m	(13010324)	470876.42	
3751710.45	0.75684m	(13010324)			
470884.76	3751671.85	0.77802m	(13010324)	470900.41	
3751616.57	0.84733m	(13010324)			
470911.88	3751582.67	0.85759m	(13010324)	470919.71	
3751556.07	0.83862m	(13010324)			
470931.18	3751524.25	0.82594m	(13010324)	470940.05	
3751496.61	0.82348m	(13010324)			
470951.52	3751461.14	0.81362m	(13010324)	470961.95	
3751424.64	0.76988m	(13010324)			

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_2.5 IN
 MICROGRAMS/M**3 **

DATE

GROUP ID ZELEV, ZHILL, ZFLAG)	OF TYPE	AVERAGE CONC GRID-ID	(YYMMDDHH)	RECEPTOR	NETWORK (XR, YR,
----------------------------------	---------	-------------------------	------------	----------	---------------------

ALL HIGH 1ST HIGH VALUE IS 0.87778m ON 13010324: AT (470871.72, 3751810.58,
517.08, 517.08, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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	146	MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	146	MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET	

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 11/2/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\LSTs\14064 Ops CO Mit\14064 Ops
CO Mit.ADI
**

```

```

*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME 1 8
URBANOPT 2189641 Riverside_County
POLLUTID CO
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14064 Ops CO Mit.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	471175.473	3752366.407	510.210
LOCATION VOL2	VOLUME	471362.212	3752367.600	512.450
LOCATION VOL3	VOLUME	471550.136	3752368.393	518.920
LOCATION VOL4	VOLUME	471609.606	3752371.565	516.010
LOCATION VOL5	VOLUME	471796.736	3752342.227	515.100
LOCATION VOL6	VOLUME	471984.660	3752344.605	513.590
LOCATION VOL7	VOLUME	472003.690	3752346.984	512.090
LOCATION VOL8	VOLUME	472002.898	3752159.060	521.590
LOCATION VOL9	VOLUME	471814.181	3752156.682	520.730
LOCATION VOL10	VOLUME	471628.636	3752181.262	526.790
LOCATION VOL11	VOLUME	471440.712	3752181.262	527.380
LOCATION VOL12	VOLUME	471253.581	3752180.469	518.870
LOCATION VOL13	VOLUME	471092.617	3752217.737	509.620
LOCATION VOL14	VOLUME	471074.380	3752029.020	516.070
LOCATION VOL15	VOLUME	471263.889	3751992.546	521.100
LOCATION VOL16	VOLUME	471452.606	3751994.132	529.960
LOCATION VOL17	VOLUME	471640.530	3751992.546	534.940
LOCATION VOL18	VOLUME	471827.661	3751967.965	533.000
LOCATION VOL19	VOLUME	472002.898	3751970.344	527.910
LOCATION VOL20	VOLUME	471845.105	3751780.041	538.850
LOCATION VOL21	VOLUME	471657.181	3751803.829	536.000
LOCATION VOL22	VOLUME	471468.465	3751806.208	528.300
LOCATION VOL23	VOLUME	471280.541	3751807.001	524.990
LOCATION VOL24	VOLUME	471093.410	3751841.890	515.600
LOCATION VOL25	VOLUME	470978.435	3751841.890	518.120
LOCATION VOL26	VOLUME	471014.117	3751654.759	520.370
LOCATION VOL27	VOLUME	471201.248	3751654.759	525.140
LOCATION VOL28	VOLUME	471389.172	3751619.077	534.860

LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810

** Source Parameters **

SRCPARAM VOL1	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL2	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL3	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL4	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL5	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL6	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL7	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL8	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL9	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL10	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL11	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL12	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL13	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL14	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL15	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL16	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL17	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL18	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL19	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL20	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL21	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL22	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL23	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL24	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL25	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL26	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL27	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL28	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL29	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL30	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL31	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL32	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL33	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL34	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL35	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL36	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL37	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL38	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL39	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL40	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL41	0.0636289297	5.000	43.702	1.400
SRCPARAM VOL48	0.0636289297	5.000	43.702	1.400

URBANSRC ALL

SRCGROUP ALL

SO FINISHED

**

 ** AERMOD Receptor Pathway

 **
 **

RE STARTING
INCLUDED "14064 Ops CO Mit.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
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
RECTABLE 8 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "14064 OPS CO MIT.AD\01H1GALL.PLT" 31
PLOTFILE 8 ALL 1ST "14064 OPS CO MIT.AD\08H1GALL.PLT" 32
SUMMFILE "14064 Ops CO Mit.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 146 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 146 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 11/02/23
*** AERMET - VERSION 16216 ***
*** 17:22:09

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:

- * Model Uses Regulatory DEFAULT Options
- * Model Is Setup For Calculation of Average CONCentration Values.
- * NO GAS DEPOSITION Data Provided.
- * NO PARTICLE DEPOSITION Data Provided.
- * Model Uses NO DRY DEPLETION. DDPLETE = F
- * Model Uses NO WET DEPLETION. WETDPLT = F
- * Stack-tip Downwash.
- * Model Accounts for ELEVated Terrain Effects.
- * Use Calms Processing Routine.
- * Use Missing Data Processing Routine.
- * No Exponential Decay.
- * Model Uses URBAN Dispersion Algorithm for the SBL for 42 Source(s),
for Total of 1 Urban Area(s):
- Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
- * Urban Roughness Length of 1.0 Meter Used.
- * ADJ_U* - Use ADJ_U* option for SBL in AERMET
- * CCVR_Sub - Meteorological data includes CCVR substitutions
- * TEMP_Sub - Meteorological data includes TEMP substitutions
- * Model Accepts FLAGPOLE Receptor . Heights.
- * The User Specified a Pollutant Type of: CO

**Model Calculates 2 Short Term Average(s) of: 1-HR 8-HR

**This Run Includes: 42 Source(s); 1 Source Group(s); and 258 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 42 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:

- Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
- Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
- Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
m for Missing Hours
b for Both Calm and Missing Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 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: 14064 Ops CO

Mit.err

VOL23	0	0.63629E-01	471280.5	3751807.0	525.0	5.00	43.70	1.40
YES								
VOL24	0	0.63629E-01	471093.4	3751841.9	515.6	5.00	43.70	1.40
YES								
VOL25	0	0.63629E-01	470978.4	3751841.9	518.1	5.00	43.70	1.40
YES								
VOL26	0	0.63629E-01	471014.1	3751654.8	520.4	5.00	43.70	1.40
YES								
VOL27	0	0.63629E-01	471201.2	3751654.8	525.1	5.00	43.70	1.40
YES								
VOL28	0	0.63629E-01	471389.2	3751619.1	534.9	5.00	43.70	1.40
YES								
VOL29	0	0.63629E-01	471577.9	3751616.7	529.0	5.00	43.70	1.40
YES								
VOL30	0	0.63629E-01	471724.6	3751620.7	533.8	5.00	43.70	1.40
YES								
VOL31	0	0.63629E-01	471941.0	3751865.7	534.6	5.00	43.70	1.40
YES								
VOL32	0	0.63629E-01	471795.2	3751684.9	537.3	5.00	43.70	1.40
YES								
VOL33	0	0.63629E-01	471577.9	3751434.3	531.1	5.00	43.70	1.40
YES								
VOL34	0	0.63629E-01	471390.0	3751431.9	537.3	5.00	43.70	1.40
YES								
VOL35	0	0.63629E-01	471202.0	3751467.6	526.8	5.00	43.70	1.40
YES								
VOL36	0	0.63629E-01	471065.7	3751504.9	522.0	5.00	43.70	1.40
YES								
VOL37	0	0.63629E-01	471656.4	3751514.4	529.5	5.00	43.70	1.40
YES								
VOL38	0	0.63629E-01	471522.4	3751324.1	529.0	5.00	43.70	1.40
YES								
VOL39	0	0.63629E-01	471332.9	3751322.5	529.5	5.00	43.70	1.40
YES								
VOL40	0	0.63629E-01	471282.9	3751321.7	528.2	5.00	43.70	1.40
YES								

```

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	BY						
	CATS.							

VOL41	0	0.63629E-01	471233.8	3751388.3	528.5	5.00	43.70	1.40
YES								
VOL48	0	0.63629E-01	471084.5	3752407.2	506.8	5.00	43.70	1.40
YES								

```

*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 11/02/23
*** AERMET - VERSION 16216 ***
*** *** 17:22:09

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID

SOURCE IDs

ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL48	,								

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 *** 11/02/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID URBAN POP

SOURCE IDs

	2189641.	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	
VOL8	, VOL6	, VOL7	,									
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL48	,								

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 *** 11/02/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***

(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

(472283.7, 3752641.0, 492.6, 492.6, 2.0); (472482.2, 3752398.0,
499.3, 499.3, 2.0);
(472478.0, 3752183.1, 505.1, 505.1, 2.0); (472148.1, 3752531.5,
495.2, 502.0, 2.0);
(472052.1, 3752531.2, 499.4, 512.0, 2.0); (471975.5, 3752531.2,
500.5, 514.0, 2.0);
(471896.1, 3752530.9, 503.4, 513.0, 2.0); (471840.8, 3752529.9,
503.4, 513.0, 2.0);
(471816.6, 3752527.1, 500.6, 513.0, 2.0); (471736.8, 3752557.9,
501.5, 501.5, 2.0);
(471696.6, 3752558.9, 500.0, 500.0, 2.0); (471627.3, 3752556.2,
501.9, 512.0, 2.0);
(471584.6, 3752556.8, 504.5, 507.0, 2.0); (471560.0, 3752556.2,
504.6, 507.0, 2.0);
(471534.3, 3752554.9, 503.2, 509.0, 2.0); (471514.9, 3752554.9,
502.2, 519.0, 2.0);
(471486.8, 3752555.7, 503.1, 503.1, 2.0); (471465.7, 3752555.4,
503.1, 503.1, 2.0);
(471442.2, 3752555.0, 501.3, 505.0, 2.0); (471419.7, 3752552.5,
500.3, 505.0, 2.0);
(471394.2, 3752552.9, 501.4, 501.4, 2.0); (471363.4, 3752552.5,
503.5, 503.5, 2.0);
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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***      11/02/23

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*** AERMET - VERSION 16216 ***
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***      17:22:09

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PAGE      7

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*** MODELOPTs:      RegDFAULT      CONC      ELEV      FLGPOL      URBAN      ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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(471732.9, 3749916.5, 534.7, 534.7, 2.0);	(471710.3, 3750132.8, 537.0, 537.0, 2.0);
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 Version: 16216
 Profile file:
 KRAL_V9_ADJU\KRAL_v9.PFL
 Surface format:
 FREE

Met

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		

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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)

```

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Campus\14064 Ops\140 *** 11/02/23
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

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INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . .

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
472283.74	3752640.98	13.66843	(14051521)	472482.23	
3752398.04	12.54618	(12041107)			
472477.97	3752183.12	12.52705	(15092020)	472148.10	
3752531.53	25.48026	(13112916)			
472052.12	3752531.22	30.52472	(13112916)	471975.52	
3752531.22	23.15359	(13112916)			
471896.06	3752530.90	24.59286	(13062606)	471840.76	
3752529.94	25.30043	(13062606)			
471816.60	3752527.08	25.58687	(13062606)	471736.82	
3752557.91	24.40253	(13112916)			
471696.59	3752558.87	26.58875	(13112916)	471627.29	
3752556.22	25.96412	(13112916)			
471584.60	3752556.76	26.48586	(13062606)	471560.01	
3752556.22	26.59876	(13062606)			
471534.35	3752554.87	26.54135	(13062606)	471514.89	
3752554.87	26.32152	(13062606)			
471486.79	3752555.68	26.13413	(13062606)	471465.72	
3752555.41	26.00628	(13062606)			
471442.21	3752554.98	25.72360	(13062606)	471419.71	
3752552.46	25.73062	(13062606)			
471394.22	3752552.91	25.65801	(13062606)	471363.44	
3752552.46	25.72706	(13062606)			
471332.68	3752553.31	25.63802	(13062606)	471307.62	
3752552.94	25.59906	(13062606)			
471284.05	3752552.70	25.47306	(13062606)	471261.98	
3752552.70	25.38543	(13062606)			

471241.90	3752552.70	25.35662	(13062606)	471223.15
3752552.86	25.35716	(13062606)		
471205.90	3752552.86	25.37741	(13062606)	471173.21
3752552.37	25.43185	(13062606)		
471135.70	3752552.53	25.19669	(13062606)	471093.22
3752551.54	24.56795	(15100406)		
471059.37	3752551.70	24.66264	(15062802)	471020.54
3752551.20	23.04183	(15062802)		
470981.05	3752563.65	20.47486	(13083019)	470980.39
3752552.20	21.19378	(13083019)		
470980.06	3752535.61	22.26992	(13083019)	470979.89
3752517.19	23.46609	(13083019)		
470980.06	3752499.76	24.50173	(13083019)	470980.22
3752479.85	25.96721	(14090307)		
470980.39	3752459.44	29.75390	(14090307)	470980.22
3752433.22	32.10591	(14090307)		
470980.06	3752404.02	31.53087	(13062606)	470927.12
3752402.69	23.38830	(13062606)		
470907.87	3752402.69	21.50574	(13062606)	470887.30
3752402.69	19.83030	(13062606)		
470869.71	3752402.03	18.70503	(13062606)	470849.63
3752401.86	17.57597	(13062606)		
470829.39	3752402.19	16.57318	(13062606)	470811.63
3752402.19	15.79542	(13062606)		
470791.55	3752402.53	14.99469	(13062606)	470773.63
3752401.86	14.35926	(15042903)		
470749.24	3752402.19	13.71104	(15042903)	470727.72
3752391.74	13.29235	(15042903)		
470733.04	3752338.97	13.94319	(13062606)	470733.70
3752320.55	14.19156	(13062606)		
470734.20	3752291.01	14.56977	(13062606)	470733.20
3752265.78	14.81864	(13062606)		
470732.87	3752218.81	15.32218	(13062606)	470732.54
3752182.14	15.70420	(13062606)		
470732.37	3752145.29	16.10364	(13062606)	470692.38
3752144.80	14.66995	(13062606)		
470670.14	3752144.46	13.96011	(13062606)	470651.72
3752144.30	13.42039	(13062606)		
470633.46	3752144.13	12.90720	(13062606)	470615.54
3752143.97	12.43295	(13062606)		
470595.95	3752143.30	11.94880	(13062606)	470577.03
3752143.47	11.56804	(14091620)		
470553.63	3752143.47	11.25599	(15071822)	470528.57
3752142.64	10.94261	(15071820)		
470507.99	3752142.80	10.66855	(15071820)	470485.59
3752142.47	10.38361	(15071820)		
470471.60	3752131.63	10.27783	(15071820)	470471.60
3752109.21	10.40829	(15071820)		
470471.32	3752085.22	10.52184	(15071820)	470471.46
3752037.68	10.76679	(15071822)		
470471.74	3752013.00	10.87412	(12010420)	470470.89
3751987.18	10.95462	(16111021)		
470470.89	3751965.74	11.04297	(16111021)	470470.75
3751944.44	11.11915	(16111021)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,

VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

		** CONC OF CO IN			
		MICROGRAMS/M**3			
X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
470470.61	3751924.27	11.15774	(16111021)	470470.47	
3751905.93	11.16975	(16111021)			
470470.89	3751884.06	11.23921	(16110919)	470470.61	
3751864.03	11.27968	(16110919)			
470470.33	3751844.00	11.28379	(16110919)	470470.19	
3751824.53	11.23946	(16110919)			
470470.33	3751805.77	11.22535	(16110818)	470470.33	
3751788.00	11.21200	(16110818)			
470470.33	3751761.19	11.40140	(16110818)	470471.03	
3751741.87	11.53910	(16110818)			
470470.05	3751722.82	11.63737	(16110818)	470470.19	
3751703.36	11.78614	(14051420)			
470470.19	3751683.75	11.92940	(14051420)	470470.33	
3751664.28	12.04342	(14051420)			
470470.33	3751642.41	12.15113	(14051420)	470470.47	
3751621.82	12.20937	(14051420)			
470470.19	3751599.81	12.22637	(14051420)	470470.61	
3751578.79	12.21512	(14051420)			
470469.62	3751555.94	12.08927	(14051420)	470470.05	
3751512.49	11.82147	(14051420)			
470468.64	3751414.59	11.28127	(16062003)	470469.76	
3751385.25	11.53703	(16062003)			
470468.65	3751358.95	11.58128	(16062003)	470462.93	
3751325.56	11.49729	(16062003)			
470461.98	3751310.62	11.46308	(13050223)	470462.61	
3751296.63	11.42414	(13050223)			
470462.61	3751283.28	11.36328	(13050223)	470462.61	
3751269.92	11.27897	(13050223)			
470462.93	3751254.35	11.17234	(13050223)	470461.98	
3751240.67	11.07394	(13050223)			
470463.25	3751227.64	11.04100	(13050223)	470756.39	
3751290.59	15.15707	(14100421)			
470797.72	3751268.33	15.69230	(14100421)	470891.19	
3751226.38	17.48781	(13083002)			
470940.78	3751191.82	18.16142	(15090923)	471000.61	
3750923.63	16.28991	(15031222)			
471029.26	3750923.63	16.45241	(15031222)	471056.29	
3750923.90	17.13520	(14072222)			
471077.91	3750924.44	17.71830	(14072222)	471097.64	
3750924.44	19.43920	(14072222)			
471118.18	3750924.98	21.50854	(15073004)	471138.99	
3750927.42	23.64314	(14070703)			
471160.07	3750928.77	25.55705	(14070703)	471181.15	
3750931.47	29.22731	(12111622)			
471201.69	3750930.93	31.25265	(12111622)	471222.50	
3750931.47	32.13022	(15102720)			
471244.13	3750931.20	33.79517	(15102720)	471264.40	
3750931.74	35.10290	(15102720)			
471284.40	3750931.74	36.00367	(13090322)	471305.75	
3750931.74	36.48932	(13090322)			

471324.67	3750930.93	35.59567	(13090322)	471343.05
3750930.12	34.61913	(13070301)		
471363.86	3750929.04	33.87258	(14092602)	471381.96
3750928.77	33.64685	(14092602)		
471400.88	3750928.23	33.60310	(15091223)	471421.15
3750927.96	33.42678	(15091223)		
471440.59	3750928.11	32.93250	(12091920)	471461.83
3750927.45	32.38323	(12091920)		
471479.76	3750927.95	31.95290	(13090522)	471499.68
3750927.62	31.64532	(13090522)		
471519.26	3750928.78	31.30609	(13090522)	471537.02
3750929.61	31.86494	(13090522)		
471556.77	3750930.94	31.96762	(13090522)	471580.68
3750934.09	33.32443	(13090522)		
471624.00	3750940.23	34.04684	(13090322)	471795.90
3750950.11	32.73917	(14070402)		
471796.29	3750967.88	33.09195	(14070402)	471796.69
3750987.22	33.26461	(15100222)		
471797.47	3751006.75	32.91448	(15100222)	471796.69
3751025.30	33.01914	(15100222)		
471795.90	3751046.40	33.24479	(12092021)	471796.69
3751072.96	33.28512	(12092021)		
471797.47	3751143.85	33.13392	(12092021)	471833.01
3751143.85	31.06990	(12092021)		
471867.38	3751144.05	27.77183	(12081722)	471891.02
3751144.44	23.22260	(12081722)		
471916.60	3751144.24	18.73464	(12081621)	471939.45
3751144.24	17.60688	(14083024)		
471963.08	3751144.44	16.43970	(15041821)	471984.17
3751144.05	16.04995	(15041821)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
471999.02	3751163.38	16.05601	(15041821)	472000.19	
3751199.12	17.94015	(15092721)			
471999.80	3751230.56	21.71424	(16061922)	472000.38	
3751251.46	24.37108	(16061922)			
472000.19	3751281.15	26.02975	(14091022)	472001.95	
3751347.94	28.73494	(12080621)			
472036.90	3751348.52	25.95275	(12080624)	472063.07	
3751349.31	24.86268	(12080524)			

472084.56	3751348.33	23.71436	(13063022)	472104.87
3751348.72	22.21093	(13082222)		
472127.33	3751348.52	19.87273	(12081422)	472150.76
3751349.70	17.53311	(14091223)		
472171.47	3751349.50	16.36663	(12081622)	472194.12
3751349.11	15.83383	(15081620)		
472222.63	3751348.72	15.08412	(16082920)	472247.83
3751349.50	14.44344	(16082920)		
472269.70	3751349.11	13.58342	(16082920)	472290.40
3751350.28	13.31182	(16082920)		
472313.64	3751350.48	13.03028	(16082920)	472333.76
3751351.26	12.76142	(16082920)		
472354.85	3751351.26	12.18120	(16082920)	472377.70
3751351.06	11.67869	(16082920)		
472401.72	3751351.06	11.15108	(16081620)	472425.55
3751351.84	10.52783	(15102418)		
472445.67	3751350.67	10.34996	(15102418)	472463.24
3751350.87	10.05695	(15102418)		
472484.14	3751350.87	9.82343	(15102418)	472503.87
3751351.26	9.65216	(15102418)		
472523.79	3751351.26	9.52031	(15102418)	472543.32
3751351.26	9.40274	(15102418)		
472563.24	3751352.24	9.26638	(15102418)	472582.57
3751352.04	9.13111	(15102418)		
472601.32	3751352.04	8.99753	(15102418)	472606.79
3751367.27	8.96338	(15091321)		
472607.57	3751396.37	9.05685	(15091321)	472608.55
3751432.11	9.19455	(15070221)		
472608.94	3751462.58	9.27411	(15070221)	472609.52
3751497.15	9.41291	(14072920)		
472610.70	3751553.78	9.66301	(12080920)	472665.97
3751553.98	9.14395	(12080920)		
472690.38	3751553.59	8.93481	(12080920)	472713.50
3751554.27	8.78188	(12080920)		
472734.64	3751554.04	8.61518	(12080920)	472759.46
3751554.04	8.41954	(12080920)		
472781.75	3751554.50	8.26028	(12080920)	472849.76
3751556.11	7.94441	(12080920)		
472871.82	3751556.11	7.82179	(12080920)	472895.25
3751555.65	7.68652	(12080920)		
472922.60	3751555.88	7.54990	(12080920)	473092.41
3751802.31	6.94317	(13082619)		
473204.80	3751856.81	6.49008	(13082920)	472991.21
3752083.31	7.51609	(16082919)		
473295.12	3752052.49	6.13534	(13090121)	473356.76
3752050.34	5.89728	(12080821)		
473495.10	3751996.58	5.49584	(13070920)	473486.50
3751917.74	5.50712	(13082920)		
473392.60	3752058.22	5.77560	(13090121)	473464.28
3752082.59	5.56860	(13090121)		
473550.29	3752087.61	5.29987	(13090121)	473584.69
3752089.76	5.21390	(13090121)		
472765.59	3752474.09	8.48884	(16062023)	470432.16
3750483.93	14.80344	(16100620)		
469244.06	3754182.82	3.24070	(14091624)	469596.75
3750785.65	5.49066	(15021122)		
470466.55	3750530.27	16.93390	(12091321)	469319.29
3749244.53	3.38909	(15100924)		
469229.64	3749502.19	3.58473	(15031221)	468465.38
3749582.33	2.91842	(14051321)		
471438.37	3750129.76	18.91426	(16102220)	471657.54
3749918.78	14.13544	(14092602)		
471732.91	3749916.52	13.41489	(15091223)	471710.30
3750132.80	16.63204	(15091223)		
471273.89	3750119.77	19.85180	(15073004)	470973.43
3752300.84	31.65227	(13062606)		

470973.95	3752278.41	32.38973	(13062606)	470973.95
3752235.65	33.75501	(13062606)		
470971.86	3752174.63	34.25890	(13062606)	470967.17
3752139.16	34.19067	(13062606)		
470962.47	3752110.48	34.45570	(13062606)	470952.57
3752077.10	34.43239	(13062606)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
470935.35	3752029.11	33.40170	(13062606)	470922.32	
3751998.86	32.46796	(13062606)			
470910.32	3751966.53	32.77051	(13062606)	470891.54	
3751915.42	34.10977	(13062606)			
470880.59	3751877.86	34.96673	(13062606)	470874.85	
3751848.14	34.93317	(13062606)			
470871.72	3751810.58	34.15022	(13062606)	470871.20	
3751779.29	32.96138	(13062606)			
470872.25	3751740.70	31.78635	(13062606)	470876.42	
3751710.45	31.67704	(13062606)			
470884.76	3751671.85	32.34055	(13062606)	470900.41	
3751616.57	33.60483	(13062606)			
470911.88	3751582.67	33.83570	(13062606)	470919.71	
3751556.07	33.46661	(13062606)			
470931.18	3751524.25	33.37909	(13062606)	470940.05	
3751496.61	33.11688	(13062606)			
470951.52	3751461.14	32.35619	(13062606)	470961.95	
3751424.64	30.68554	(13041207)			

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,

VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
472283.74	3752640.98	9.64909	(15111008)	472482.23	
3752398.04	8.70682m	(16031408)			
472477.97	3752183.12	10.60147m	(12050224)	472148.10	
3752531.53	13.99341c	(12121708)			
472052.12	3752531.22	17.65673c	(12121708)	471975.52	
3752531.22	19.82282c	(12121708)			
471896.06	3752530.90	21.08492c	(12121708)	471840.76	
3752529.94	21.69023c	(12121708)			
471816.60	3752527.08	21.91539c	(12121708)	471736.82	
3752557.91	20.64322c	(12121708)			
471696.59	3752558.87	20.96578c	(12121708)	471627.29	
3752556.22	22.21194c	(12121708)			
471584.60	3752556.76	22.70714c	(12121708)	471560.01	
3752556.22	22.80480c	(12121708)			
471534.35	3752554.87	22.74814c	(12121708)	471514.89	
3752554.87	22.55481c	(12121708)			
471486.79	3752555.68	22.40312c	(12121708)	471465.72	
3752555.41	22.29577c	(12121708)			
471442.21	3752554.98	22.04501c	(12121708)	471419.71	
3752552.46	22.04625c	(12121708)			
471394.22	3752552.91	21.99254c	(12121708)	471363.44	
3752552.46	22.06705c	(12121708)			
471332.68	3752553.31	22.00584c	(12121708)	471307.62	
3752552.94	21.97932c	(12121708)			
471284.05	3752552.70	21.86908c	(12121708)	471261.98	
3752552.70	21.79305c	(12121708)			
471241.90	3752552.70	21.76887c	(12121708)	471223.15	
3752552.86	21.77145c	(12121708)			
471205.90	3752552.86	21.79031c	(12121708)	471173.21	
3752552.37	21.83835c	(12121708)			
471135.70	3752552.53	21.63547c	(12121708)	471093.22	
3752551.54	21.04370c	(12121708)			
471059.37	3752551.70	19.95030c	(12121708)	471020.54	
3752551.20	18.29242c	(12121708)			
470981.05	3752563.65	15.82206c	(12121708)	470980.39	
3752552.20	16.41925c	(12121708)			
470980.06	3752535.61	17.39214c	(12121708)	470979.89	
3752517.19	18.61120c	(12121708)			
470980.06	3752499.76	19.91050c	(12121708)	470980.22	
3752479.85	21.52294c	(12121708)			
470980.39	3752459.44	23.31162c	(12121708)	470980.22	
3752433.22	25.42795c	(12121708)			
470980.06	3752404.02	27.05859c	(12121708)	470927.12	
3752402.69	20.08230c	(12121708)			
470907.87	3752402.69	18.46162c	(12121708)	470887.30	
3752402.69	17.01713c	(12121708)			
470869.71	3752402.03	16.05252c	(12121708)	470849.63	
3752401.86	15.08433c	(12121708)			
470829.39	3752402.19	14.22426c	(12121708)	470811.63	
3752402.19	13.55704c	(12121708)			
470791.55	3752402.53	12.86968c	(12121708)	470773.63	
3752401.86	12.32354c	(12121708)			

470749.24	3752402.19	11.63536c	(12121708)	470727.72
3752391.74	11.22158c	(12121708)		
470733.04	3752338.97	11.96974c	(12121708)	470733.70
3752320.55	12.18298c	(12121708)		
470734.20	3752291.01	12.50830c	(12121708)	470733.20
3752265.78	12.72122c	(12121708)		
470732.87	3752218.81	13.15300c	(12121708)	470732.54
3752182.14	13.48115c	(12121708)		
470732.37	3752145.29	13.82582c	(12121708)	470692.38
3752144.80	12.59556c	(12121708)		
470670.14	3752144.46	11.98619c	(12121708)	470651.72
3752144.30	11.52344c	(12121708)		
470633.46	3752144.13	11.08244c	(12121708)	470615.54
3752143.97	10.67483c	(12121708)		
470595.95	3752143.30	10.25867c	(12121708)	470577.03
3752143.47	9.88469c	(12121708)		
470553.63	3752143.47	9.45397c	(12121708)	470528.57
3752142.64	9.01904c	(12121708)		
470507.99	3752142.80	8.67510c	(12121708)	470485.59
3752142.47	8.32478c	(12121708)		
470471.60	3752131.63	8.16059c	(12121708)	470471.60
3752109.21	8.24617c	(12121708)		
470471.32	3752085.22	8.33220	(14111708)	470471.46
3752037.68	8.65587	(12122024)		
470471.74	3752013.00	8.81517	(12122024)	470470.89
3751987.18	8.95063	(12122024)		
470470.89	3751965.74	9.06834	(12122024)	470470.75
3751944.44	9.17758	(12122024)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
470470.61	3751924.27	9.25904	(12122024)	470470.47	
3751905.93	9.31865	(12122024)			
470470.89	3751884.06	9.42463	(12122024)	470470.61	
3751864.03	9.48423	(12122024)			
470470.33	3751844.00	9.51728	(12122024)	470470.19	
3751824.53	9.51337	(12122024)			
470470.33	3751805.77	9.52080	(12122024)	470470.33	
3751788.00	9.52820	(12122024)			
470470.33	3751761.19	9.72372	(15012908)	470471.03	
3751741.87	9.93752	(15012908)			

470470.05	3751722.82	10.11342	(15012908)	470470.19
3751703.36	10.29827	(15012908)		
470470.19	3751683.75	10.44484	(15012908)	470470.33
3751664.28	10.56643	(15012908)		
470470.33	3751642.41	10.68477	(15012908)	470470.47
3751621.82	10.75720	(15012908)		
470470.19	3751599.81	10.79183	(15012908)	470470.61
3751578.79	10.81529	(15112224)		
470469.62	3751555.94	10.77176	(14012108)	470470.05
3751512.49	10.68327	(14012108)		
470468.64	3751414.59	10.44713	(13122608)	470469.76
3751385.25	10.71010	(13122608)		
470468.65	3751358.95	10.77123	(13122608)	470462.93
3751325.56	10.71339	(13122608)		
470461.98	3751310.62	10.68654	(13122608)	470462.61
3751296.63	10.64532	(13122608)		
470462.61	3751283.28	10.58306	(13122608)	470462.61
3751269.92	10.49826	(13122608)		
470462.93	3751254.35	10.38979	(13122608)	470461.98
3751240.67	10.30539	(13011908)		
470463.25	3751227.64	10.30786	(13011908)	470756.39
3751290.59	14.07846	(13011908)		
470797.72	3751268.33	14.50735	(14010208)	470891.19
3751226.38	16.12693	(14010208)		
470940.78	3751191.82	16.54917	(14010208)	471000.61
3750923.63	12.13939b	(13120824)		
471029.26	3750923.63	12.10974	(12021624)	471056.29
3750923.90	12.53341	(12021624)		
471077.91	3750924.44	12.77180	(12021624)	471097.64
3750924.44	13.09599	(12021624)		
471118.18	3750924.98	13.41877	(12021624)	471138.99
3750927.42	13.80773	(12021624)		
471160.07	3750928.77	14.25027	(12021708)	471181.15
3750931.47	15.65479	(12021708)		
471201.69	3750930.93	16.32673	(12021708)	471222.50
3750931.47	16.41911	(12021708)		
471244.13	3750931.20	16.92505	(15022208)	471264.40
3750931.74	17.65562	(15022208)		
471284.40	3750931.74	18.17728	(15022208)	471305.75
3750931.74	18.43113	(15022208)		
471324.67	3750930.93	18.30703	(15022208)	471343.05
3750930.12	17.96049	(15022208)		
471363.86	3750929.04	17.66000	(15022208)	471381.96
3750928.77	17.49615	(13111608)		
471400.88	3750928.23	17.83057	(13111608)	471421.15
3750927.96	18.11261	(13111608)		
471440.59	3750928.11	18.19183	(13111608)	471461.83
3750927.45	18.08775	(13111608)		
471479.76	3750927.95	18.01271	(13111608)	471499.68
3750927.62	18.10840	(16013024)		
471519.26	3750928.78	18.29040	(16013024)	471537.02
3750929.61	18.95220	(16013024)		
471556.77	3750930.94	19.39488	(16013024)	471580.68
3750934.09	20.21188	(16013024)		
471624.00	3750940.23	20.17700	(16013024)	471795.90
3750950.11	19.40984	(12031708)		
471796.29	3750967.88	19.85287	(12031708)	471796.69
3750987.22	20.12752	(12031708)		
471797.47	3751006.75	20.01467	(12031708)	471796.69
3751025.30	20.25767	(12031708)		
471795.90	3751046.40	20.47264	(12031708)	471796.69
3751072.96	20.55059	(16013024)		
471797.47	3751143.85	21.16836	(16120624)	471833.01
3751143.85	20.79020	(16120624)		
471867.38	3751144.05	19.69262	(16120624)	471891.02
3751144.44	17.68317	(16120624)		

471916.60 3751144.24 14.10391 (13121824) 471939.45
 3751144.24 13.42677 (13121824)
 471963.08 3751144.44 12.60183 (13121824) 471984.17
 3751144.05 12.01201 (13121824)

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
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 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
471999.02	3751163.38	12.38377	(13121824)	472000.19	
3751199.12	14.12279	(16120624)			
471999.80	3751230.56	17.28743	(16120624)	472000.38	
3751251.46	18.97006	(16120624)			
472000.19	3751281.15	20.14815m	(12050208)	472001.95	
3751347.94	22.77421m	(12050208)			
472036.90	3751348.52	20.98632m	(12050208)	472063.07	
3751349.31	20.21190m	(12050208)			
472084.56	3751348.33	19.41048m	(12050208)	472104.87	
3751348.72	18.36283m	(12050208)			
472127.33	3751348.52	16.69978m	(12050208)	472150.76	
3751349.70	14.48300	(16120624)			
472171.47	3751349.50	13.68055	(16120624)	472194.12	
3751349.11	12.91582	(16120624)			
472222.63	3751348.72	11.95050	(16120624)	472247.83	
3751349.50	10.98210	(16120624)			
472269.70	3751349.11	10.16324	(16120624)	472290.40	
3751350.28	9.92682	(16120624)			
472313.64	3751350.48	9.69713	(16120624)	472333.76	
3751351.26	9.47958	(16120624)			
472354.85	3751351.26	8.97086	(12111724)	472377.70	
3751351.06	8.56498	(12111724)			
472401.72	3751351.06	8.21506	(12111724)	472425.55	
3751351.84	7.93838	(12111724)			
472445.67	3751350.67	7.74864	(12111724)	472463.24	
3751350.87	7.55849	(12111724)			
472484.14	3751350.87	7.35421	(12111724)	472503.87	
3751351.26	7.19364	(12111724)			
472523.79	3751351.26	7.05659	(12111724)	472543.32	
3751351.26	6.93228	(12111724)			
472563.24	3751352.24	6.80331	(12111724)	472582.57	
3751352.04	6.67627	(12111724)			
472601.32	3751352.04	6.55549	(12111724)	472606.79	
3751367.27	6.56947	(12111724)			

472607.57	3751396.37	6.68813	(12111724)	472608.55
3751432.11	6.91194b	(16080308)		
472608.94	3751462.58	7.10182m	(12050224)	472609.52
3751497.15	7.43052m	(12050224)		
472610.70	3751553.78	7.91605m	(12050224)	472665.97
3751553.98	7.46965m	(12050224)		
472690.38	3751553.59	7.28948m	(12050224)	472713.50
3751554.27	7.16109m	(12050224)		
472734.64	3751554.04	7.01965m	(12050224)	472759.46
3751554.04	6.85617m	(12050224)		
472781.75	3751554.50	6.72571m	(12050224)	472849.76
3751556.11	6.47121m	(12050224)		
472871.82	3751556.11	6.37204m	(12050224)	472895.25
3751555.65	6.26157m	(12050224)		
472922.60	3751555.88	6.15416m	(12050224)	473092.41
3751802.31	6.19941m	(12050224)		
473204.80	3751856.81	5.75082m	(12050224)	472991.21
3752083.31	6.26682m	(12050224)		
473295.12	3752052.49	5.11949m	(12050224)	473356.76
3752050.34	4.90842m	(12050224)		
473495.10	3751996.58	4.65992m	(12050224)	473486.50
3751917.74	4.80539m	(12050224)		
473392.60	3752058.22	4.77048m	(12050224)	473464.28
3752082.59	4.49220m	(12050224)		
473550.29	3752087.61	4.23646m	(12050224)	473584.69
3752089.76	4.15209m	(12050224)		
472765.59	3752474.09	5.52255	(16100508)	470432.16
3750483.93	9.58095	(12122408)		
469244.06	3754182.82	1.84843	(13050508)	469596.75
3750785.65	4.90238	(13011908)		
470466.55	3750530.27	10.67527	(12122408)	469319.29
3749244.53	2.39992	(13010408)		
469229.64	3749502.19	2.90886	(13010408)	468465.38
3749582.33	2.42193	(12110508)		
471438.37	3750129.76	7.99555	(15022208)	471657.54
3749918.78	6.09878	(15022208)		
471732.91	3749916.52	5.85013	(13111608)	471710.30
3750132.80	7.57221	(13111608)		
471273.89	3750119.77	7.29562	(12021708)	470973.43
3752300.84	27.15191c	(12121708)		
470973.95	3752278.41	27.78557c	(12121708)	470973.95
3752235.65	28.95327c	(12121708)		
470971.86	3752174.63	29.38901c	(12121708)	470967.17
3752139.16	29.34596c	(12121708)		
470962.47	3752110.48	29.57580c	(12121708)	470952.57
3752077.10	29.54726c	(12121708)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF CO IN **
MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
470935.35	3752029.11	28.65538c	(12121708)	470922.32	
3751998.86	27.83145c	(12121708)			
470910.32	3751966.53	28.10117c	(12121708)	470891.54	
3751915.42	29.25637c	(12121708)			
470880.59	3751877.86	29.98807c	(12121708)	470874.85	
3751848.14	29.96219c	(12121708)			
470871.72	3751810.58	29.43647	(12113008)	470871.20	
3751779.29	28.45678	(12113008)			
470872.25	3751740.70	27.31148	(12113008)	470876.42	
3751710.45	27.17717c	(12121708)			
470884.76	3751671.85	27.74273c	(12121708)	470900.41	
3751616.57	28.92276	(12113008)			
470911.88	3751582.67	29.35037	(12113008)	470919.71	
3751556.07	28.97657	(12113008)			
470931.18	3751524.25	28.64663	(12113008)	470940.05	
3751496.61	28.39426c	(12121708)			
470951.52	3751461.14	27.73994c	(12121708)	470961.95	
3751424.64	26.22819c	(12121708)			

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Campus\14064 Ops\140 *** 11/02/23

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF CO IN **
MICROGRAMS/M**3

DATE

GROUP ID	AVERAGE CONC	(YYMMDDHH)	RECEPTOR	NETWORK
ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID	(XR, YR,	

ALL HIGH 1ST HIGH VALUE IS 36.48932 ON 13090322: AT (471305.75, 3750931.74,
536.50, 536.50, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 11/02/23

*** AERMET - VERSION 16216 ***

*** 17:22:09

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

** CONC OF CO IN
MICROGRAMS/M**3

**

GROUP ID AVERAGE CONC DATE NETWORK
ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID RECEPTOR (XR, YR,

ALL HIGH 1ST HIGH VALUE IS 29.98807c ON 12121708: AT (470880.59, 3751877.86,
512.35, 512.35, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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*** AERMET - VERSION 16216 ***

*** 17:22:09

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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 146 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 146 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 11/2/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\LSTs\14064 Ops NO2 Mit\14064 Ops
NO2 Mit.ADI
**
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

CO STARTING

```

TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME 1
URBANOPT 2189641 Riverside_County
POLLUTID NOX
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14064 Ops NO2 Mit.err"

```

CO FINISHED

```

**
*****
** AERMOD Source Pathway
*****
**
**

```

SO STARTING

** Source Location **

** Source ID - Type - X Coord. - Y Coord. **

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	471175.473	3752366.407	510.210
LOCATION VOL2	VOLUME	471362.212	3752367.600	512.450
LOCATION VOL3	VOLUME	471550.136	3752368.393	518.920
LOCATION VOL4	VOLUME	471609.606	3752371.565	516.010
LOCATION VOL5	VOLUME	471796.736	3752342.227	515.100
LOCATION VOL6	VOLUME	471984.660	3752344.605	513.590
LOCATION VOL7	VOLUME	472003.690	3752346.984	512.090
LOCATION VOL8	VOLUME	472002.898	3752159.060	521.590
LOCATION VOL9	VOLUME	471814.181	3752156.682	520.730
LOCATION VOL10	VOLUME	471628.636	3752181.262	526.790
LOCATION VOL11	VOLUME	471440.712	3752181.262	527.380
LOCATION VOL12	VOLUME	471253.581	3752180.469	518.870
LOCATION VOL13	VOLUME	471092.617	3752217.737	509.620
LOCATION VOL14	VOLUME	471074.380	3752029.020	516.070
LOCATION VOL15	VOLUME	471263.889	3751992.546	521.100
LOCATION VOL16	VOLUME	471452.606	3751994.132	529.960
LOCATION VOL17	VOLUME	471640.530	3751992.546	534.940
LOCATION VOL18	VOLUME	471827.661	3751967.965	533.000
LOCATION VOL19	VOLUME	472002.898	3751970.344	527.910
LOCATION VOL20	VOLUME	471845.105	3751780.041	538.850
LOCATION VOL21	VOLUME	471657.181	3751803.829	536.000
LOCATION VOL22	VOLUME	471468.465	3751806.208	528.300
LOCATION VOL23	VOLUME	471280.541	3751807.001	524.990
LOCATION VOL24	VOLUME	471093.410	3751841.890	515.600
LOCATION VOL25	VOLUME	470978.435	3751841.890	518.120
LOCATION VOL26	VOLUME	471014.117	3751654.759	520.370
LOCATION VOL27	VOLUME	471201.248	3751654.759	525.140
LOCATION VOL28	VOLUME	471389.172	3751619.077	534.860

LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810

** Source Parameters **

SRCPARAM VOL1	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL2	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL3	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL4	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL5	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL6	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL7	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL8	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL9	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL10	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL11	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL12	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL13	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL14	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL15	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL16	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL17	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL18	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL19	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL20	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL21	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL22	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL23	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL24	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL25	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL26	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL27	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL28	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL29	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL30	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL31	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL32	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL33	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL34	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL35	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL36	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL37	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL38	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL39	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL40	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL41	0.0146157541	5.000	43.702	1.400
SRCPARAM VOL48	0.0146157541	5.000	43.702	1.400

URBANSRC ALL

SRCGROUP ALL

SO FINISHED

**

** AERMOD Receptor Pathway

**
**

RE STARTING
INCLUDED "14064 Ops NO2 Mit.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
RECTABLE ALLAVE 1ST
RECTABLE 1 1ST
** Auto-Generated Plotfiles
PLOTFILE 1 ALL 1ST "14064 OPS NO2 MIT.AD\01H1GALL.PLT" 31
SUMMFILE "14064 Ops NO2 Mit.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 146 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 146 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 11/02/23
*** AERMET - VERSION 16216 ***
*** 17:29:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options

```

* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 42 Source(s),
  for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Accepts FLAGPOLE Receptor . Heights.
* The User Specified a Pollutant Type of: NOX

**Model Calculates 1 Short Term Average(s) of: 1-HR

**This Run Includes: 42 Source(s); 1 Source Group(s); and 258 Receptor(s)

with: 0 POINT(s), including
      0 POINTCAP(s) and 0 POINTHOR(s)
and: 42 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
  Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
  Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
  Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                m for Missing Hours
                                                b for Both Calm and Missing
                                                Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 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 = 3.5 MB of RAM.

**Input Runstream File:
aermod.inp
**Output Print File:
aermod.out

**Detailed Error/Message File: 14064 Ops NO2
Mit.err
**File for Summary of Results: 14064 Ops NO2
Mit.sum

```


VOL24	0	0.14616E-01	471093.4	3751841.9	515.6	5.00	43.70	1.40
YES								
VOL25	0	0.14616E-01	470978.4	3751841.9	518.1	5.00	43.70	1.40
YES								
VOL26	0	0.14616E-01	471014.1	3751654.8	520.4	5.00	43.70	1.40
YES								
VOL27	0	0.14616E-01	471201.2	3751654.8	525.1	5.00	43.70	1.40
YES								
VOL28	0	0.14616E-01	471389.2	3751619.1	534.9	5.00	43.70	1.40
YES								
VOL29	0	0.14616E-01	471577.9	3751616.7	529.0	5.00	43.70	1.40
YES								
VOL30	0	0.14616E-01	471724.6	3751620.7	533.8	5.00	43.70	1.40
YES								
VOL31	0	0.14616E-01	471941.0	3751865.7	534.6	5.00	43.70	1.40
YES								
VOL32	0	0.14616E-01	471795.2	3751684.9	537.3	5.00	43.70	1.40
YES								
VOL33	0	0.14616E-01	471577.9	3751434.3	531.1	5.00	43.70	1.40
YES								
VOL34	0	0.14616E-01	471390.0	3751431.9	537.3	5.00	43.70	1.40
YES								
VOL35	0	0.14616E-01	471202.0	3751467.6	526.8	5.00	43.70	1.40
YES								
VOL36	0	0.14616E-01	471065.7	3751504.9	522.0	5.00	43.70	1.40
YES								
VOL37	0	0.14616E-01	471656.4	3751514.4	529.5	5.00	43.70	1.40
YES								
VOL38	0	0.14616E-01	471522.4	3751324.1	529.0	5.00	43.70	1.40
YES								
VOL39	0	0.14616E-01	471332.9	3751322.5	529.5	5.00	43.70	1.40
YES								
VOL40	0	0.14616E-01	471282.9	3751321.7	528.2	5.00	43.70	1.40
YES								

```

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 11/02/23
*** AERMET - VERSION 16216 ***
*** 17:29:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	CATS.	BY					

VOL41	0	0.14616E-01	471233.8	3751388.3	528.5	5.00	43.70	1.40
YES								
VOL48	0	0.14616E-01	471084.5	3752407.2	506.8	5.00	43.70	1.40
YES								

```

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 11/02/23
*** AERMET - VERSION 16216 ***
*** 17:29:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs											
-----	-----											
ALL	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	VOL6	,
VOL7	, VOL8	,										
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL48	,								

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 11/02/23
 *** AERMET - VERSION 16216 ***
 *** *** 17:29:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** SOURCE IDs DEFINED AS URBAN SOURCES ***

URBAN ID	URBAN POP	SOURCE IDs										
-----	-----	-----										
	2189641.	VOL1	,	VOL2	,	VOL3	,	VOL4	,	VOL5	,	
VOL8	, VOL6	, VOL7	,									
	VOL9	,	VOL10	,	VOL11	,	VOL12	,	VOL13	,	VOL14	,
	VOL15	,	VOL16	,								
	VOL17	,	VOL18	,	VOL19	,	VOL20	,	VOL21	,	VOL22	,
	VOL23	,	VOL24	,								
	VOL25	,	VOL26	,	VOL27	,	VOL28	,	VOL29	,	VOL30	,
	VOL31	,	VOL32	,								
	VOL33	,	VOL34	,	VOL35	,	VOL36	,	VOL37	,	VOL38	,
	VOL39	,	VOL40	,								
	VOL41	,	VOL48	,								

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 11/02/23
 *** AERMET - VERSION 16216 ***
 *** *** 17:29:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(472283.7, 3752641.0, 492.6, 492.6, 2.0); (472482.2, 3752398.0, 499.3, 499.3, 2.0);
(472478.0, 3752183.1, 505.1, 505.1, 2.0); (472148.1, 3752531.5, 495.2, 502.0, 2.0);
(472052.1, 3752531.2, 499.4, 512.0, 2.0); (471975.5, 3752531.2, 500.5, 514.0, 2.0);
(471896.1, 3752530.9, 503.4, 513.0, 2.0); (471840.8, 3752529.9, 503.4, 513.0, 2.0);
(471816.6, 3752527.1, 500.6, 513.0, 2.0); (471736.8, 3752557.9, 501.5, 501.5, 2.0);
(471696.6, 3752558.9, 500.0, 500.0, 2.0); (471627.3, 3752556.2, 501.9, 512.0, 2.0);
(471584.6, 3752556.8, 504.5, 507.0, 2.0); (471560.0, 3752556.2, 504.6, 507.0, 2.0);
(471534.3, 3752554.9, 503.2, 509.0, 2.0); (471514.9, 3752554.9, 502.2, 519.0, 2.0);
(471486.8, 3752555.7, 503.1, 503.1, 2.0); (471465.7, 3752555.4, 503.1, 503.1, 2.0);
(471442.2, 3752555.0, 501.3, 505.0, 2.0); (471419.7, 3752552.5, 500.3, 505.0, 2.0);
(471394.2, 3752552.9, 501.4, 501.4, 2.0); (471363.4, 3752552.5, 503.5, 503.5, 2.0);
(471332.7, 3752553.3, 505.8, 505.8, 2.0); (471307.6, 3752552.9, 506.9, 506.9, 2.0);
(471284.0, 3752552.7, 506.2, 506.2, 2.0); (471262.0, 3752552.7, 505.7, 505.7, 2.0);
(471241.9, 3752552.7, 505.6, 505.6, 2.0); (471223.1, 3752552.9, 505.9, 505.9, 2.0);
(471205.9, 3752552.9, 506.2, 506.2, 2.0); (471173.2, 3752552.4, 506.5, 506.5, 2.0);
(471135.7, 3752552.5, 506.1, 506.1, 2.0); (471093.2, 3752551.5, 505.4, 505.4, 2.0);
(471059.4, 3752551.7, 504.7, 504.7, 2.0); (471020.5, 3752551.2, 503.1, 503.1, 2.0);
(470981.0, 3752563.6, 502.1, 502.1, 2.0); (470980.4, 3752552.2, 502.5, 502.5, 2.0);
(470980.1, 3752535.6, 503.0, 503.0, 2.0); (470979.9, 3752517.2, 503.7, 503.7, 2.0);
(470980.1, 3752499.8, 504.0, 504.0, 2.0); (470980.2, 3752479.8, 504.0, 504.0, 2.0);
(470980.4, 3752459.4, 504.6, 504.6, 2.0); (470980.2, 3752433.2, 505.4, 505.4, 2.0);
(470980.1, 3752404.0, 506.0, 506.0, 2.0); (470927.1, 3752402.7, 504.9, 504.9, 2.0);
(470907.9, 3752402.7, 503.1, 503.1, 2.0); (470887.3, 3752402.7, 500.9, 505.0, 2.0);
(470869.7, 3752402.0, 500.7, 500.7, 2.0); (470849.6, 3752401.9, 500.3, 500.3, 2.0);
(470829.4, 3752402.2, 500.0, 500.0, 2.0); (470811.6, 3752402.2, 499.7, 499.7, 2.0);
(470791.5, 3752402.5, 499.2, 499.2, 2.0); (470773.6, 3752401.9, 498.6, 498.6, 2.0);
(470749.2, 3752402.2, 497.8, 497.8, 2.0); (470727.7, 3752391.7, 497.8, 497.8, 2.0);
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( 470508.0, 3752142.8,    497.6,    497.6,    2.0); ( 470485.6, 3752142.5,
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( 470471.6, 3752131.6,    496.1,    496.1,    2.0); ( 470471.6, 3752109.2,
497.3,      497.3,      2.0);
( 470471.3, 3752085.2,    498.1,    498.1,    2.0); ( 470471.5, 3752037.7,
499.7,      499.7,      2.0);
( 470471.7, 3752013.0,    500.0,    500.0,    2.0); ( 470470.9, 3751987.2,
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500.1,      500.1,      2.0);
( 470470.6, 3751924.3,    499.6,    499.6,    2.0); ( 470470.5, 3751905.9,
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( 470470.9, 3751884.1,    499.1,    499.1,    2.0); ( 470470.6, 3751864.0,
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( 470470.3, 3751844.0,    497.9,    497.9,    2.0); ( 470470.2, 3751824.5,
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( 470470.3, 3751805.8,    495.7,    499.0,    2.0); ( 470470.3, 3751788.0,
495.1,      502.0,      2.0);
( 470470.3, 3751761.2,    497.6,    497.6,    2.0); ( 470471.0, 3751741.9,
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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 11/02/23

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*** AERMET - VERSION 16216 ***
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*** 17:29:12

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PAGE 7

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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```

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( 470462.6, 3751283.3,    512.0,    512.0,    2.0); ( 470462.6, 3751269.9,
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( 470462.9, 3751254.3,    509.6,    512.0,    2.0); ( 470462.0, 3751240.7,
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( 470463.2, 3751227.6,    509.4,    509.4,    2.0); ( 470756.4, 3751290.6,
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*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 11/02/23

*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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506.3, 532.0,	2.0);			
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506.4, 506.4,	2.0);			
(472563.2, 3751352.2,	506.1,	506.1,	2.0);	(472582.6, 3751352.0,
505.8, 505.8,	2.0);			
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504.3, 504.3,	2.0);			
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(472608.9, 3751462.6,	504.4,	504.4,	2.0);	(472609.5, 3751497.1,
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499.2, 499.2,	2.0);			
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(472922.6, 3751555.9,	493.8,	493.8,	2.0);	(473092.4, 3751802.3,
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476.8, 476.8,	2.0);			
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532.6, 532.6,	2.0);			
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490.5, 490.5,	2.0);			
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(470971.9, 3752174.6,	506.2,	506.2,	2.0);	(470967.2, 3752139.2,
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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

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F indicates top of profile (=1) or below (=0)

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*** AERMOD - VERSION 22112 ***    *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***          11/02/23

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

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INCLUDING SOURCE(S):  VOL1      , VOL2      ,
VOL3      , VOL4      , VOL5
VOL6      , VOL7      , VOL8      , VOL9      , VOL10     ,
VOL11     , VOL12     , VOL13     ,
VOL14     , VOL15     , VOL16     , VOL17     , VOL18     ,
VOL19     , VOL20     , VOL21     ,
VOL22     , VOL23     , VOL24     , VOL25     , VOL26     ,
VOL27     , VOL28     , . . .    ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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** CONC OF NOX      IN
MICROGRAMS/M**3    **

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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
472283.74	3752640.98	3.13968	(14051521)	472482.23	
3752398.04	2.88190	(12041107)			
472477.97	3752183.12	2.87750	(15092020)	472148.10	
3752531.53	5.85289	(13112916)			
472052.12	3752531.22	7.01162	(13112916)	471975.52	
3752531.22	5.31845	(13112916)			
471896.06	3752530.90	5.64905	(13062606)	471840.76	
3752529.94	5.81158	(13062606)			
471816.60	3752527.08	5.87738	(13062606)	471736.82	
3752557.91	5.60533	(13112916)			
471696.59	3752558.87	6.10751	(13112916)	471627.29	
3752556.22	5.96404	(13112916)			
471584.60	3752556.76	6.08388	(13062606)	471560.01	
3752556.22	6.10981	(13062606)			
471534.35	3752554.87	6.09663	(13062606)	471514.89	
3752554.87	6.04613	(13062606)			
471486.79	3752555.68	6.00309	(13062606)	471465.72	
3752555.41	5.97372	(13062606)			
471442.21	3752554.98	5.90879	(13062606)	471419.71	
3752552.46	5.91040	(13062606)			
471394.22	3752552.91	5.89372	(13062606)	471363.44	
3752552.46	5.90958	(13062606)			
471332.68	3752553.31	5.88913	(13062606)	471307.62	
3752552.94	5.88018	(13062606)			
471284.05	3752552.70	5.85124	(13062606)	471261.98	
3752552.70	5.83111	(13062606)			
471241.90	3752552.70	5.82449	(13062606)	471223.15	
3752552.86	5.82462	(13062606)			

471205.90	3752552.86	5.82927	(13062606)	471173.21
3752552.37	5.84177	(13062606)		
471135.70	3752552.53	5.78776	(13062606)	471093.22
3752551.54	5.64333	(15100406)		
471059.37	3752551.70	5.66508	(15062802)	471020.54
3752551.20	5.29278	(15062802)		
470981.05	3752563.65	4.70314	(13083019)	470980.39
3752552.20	4.86827	(13083019)		
470980.06	3752535.61	5.11547	(13083019)	470979.89
3752517.19	5.39023	(13083019)		
470980.06	3752499.76	5.62812	(13083019)	470980.22
3752479.85	5.96474	(14090307)		
470980.39	3752459.44	6.83456	(14090307)	470980.22
3752433.22	7.37482	(14090307)		
470980.06	3752404.02	7.24273	(13062606)	470927.12
3752402.69	5.37236	(13062606)		
470907.87	3752402.69	4.93993	(13062606)	470887.30
3752402.69	4.55508	(13062606)		
470869.71	3752402.03	4.29660	(13062606)	470849.63
3752401.86	4.03725	(13062606)		
470829.39	3752402.19	3.80691	(13062606)	470811.63
3752402.19	3.62826	(13062606)		
470791.55	3752402.53	3.44432	(13062606)	470773.63
3752401.86	3.29837	(15042903)		
470749.24	3752402.19	3.14947	(15042903)	470727.72
3752391.74	3.05329	(15042903)		
470733.04	3752338.97	3.20279	(13062606)	470733.70
3752320.55	3.25984	(13062606)		
470734.20	3752291.01	3.34672	(13062606)	470733.20
3752265.78	3.40388	(13062606)		
470732.87	3752218.81	3.51955	(13062606)	470732.54
3752182.14	3.60730	(13062606)		
470732.37	3752145.29	3.69905	(13062606)	470692.38
3752144.80	3.36973	(13062606)		
470670.14	3752144.46	3.20668	(13062606)	470651.72
3752144.30	3.08270	(13062606)		
470633.46	3752144.13	2.96482	(13062606)	470615.54
3752143.97	2.85588	(13062606)		
470595.95	3752143.30	2.74468	(13062606)	470577.03
3752143.47	2.65721	(14091620)		
470553.63	3752143.47	2.58553	(15071822)	470528.57
3752142.64	2.51355	(15071820)		
470507.99	3752142.80	2.45060	(15071820)	470485.59
3752142.47	2.38515	(15071820)		
470471.60	3752131.63	2.36085	(15071820)	470471.60
3752109.21	2.39082	(15071820)		
470471.32	3752085.22	2.41690	(15071820)	470471.46
3752037.68	2.47316	(15071822)		
470471.74	3752013.00	2.49782	(12010420)	470470.89
3751987.18	2.51631	(16111021)		
470470.89	3751965.74	2.53660	(16111021)	470470.75
3751944.44	2.55410	(16111021)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,

VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
470470.61	3751924.27	2.56297	(16111021)	470470.47	
3751905.93	2.56573	(16111021)			
470470.89	3751884.06	2.58168	(16110919)	470470.61	
3751864.03	2.59098	(16110919)			
470470.33	3751844.00	2.59192	(16110919)	470470.19	
3751824.53	2.58174	(16110919)			
470470.33	3751805.77	2.57850	(16110818)	470470.33	
3751788.00	2.57543	(16110818)			
470470.33	3751761.19	2.61894	(16110818)	470471.03	
3751741.87	2.65057	(16110818)			
470470.05	3751722.82	2.67314	(16110818)	470470.19	
3751703.36	2.70731	(14051420)			
470470.19	3751683.75	2.74022	(14051420)	470470.33	
3751664.28	2.76641	(14051420)			
470470.33	3751642.41	2.79115	(14051420)	470470.47	
3751621.82	2.80453	(14051420)			
470470.19	3751599.81	2.80843	(14051420)	470470.61	
3751578.79	2.80585	(14051420)			
470469.62	3751555.94	2.77694	(14051420)	470470.05	
3751512.49	2.71543	(14051420)			
470468.64	3751414.59	2.59134	(16062003)	470469.76	
3751385.25	2.65009	(16062003)			
470468.65	3751358.95	2.66025	(16062003)	470462.93	
3751325.56	2.64096	(16062003)			
470461.98	3751310.62	2.63310	(13050223)	470462.61	
3751296.63	2.62416	(13050223)			
470462.61	3751283.28	2.61018	(13050223)	470462.61	
3751269.92	2.59081	(13050223)			
470462.93	3751254.35	2.56632	(13050223)	470461.98	
3751240.67	2.54372	(13050223)			
470463.25	3751227.64	2.53615	(13050223)	470756.39	
3751290.59	3.48162	(14100421)			
470797.72	3751268.33	3.60457	(14100421)	470891.19	
3751226.38	4.01700	(13083002)			
470940.78	3751191.82	4.17173	(15090923)	471000.61	
3750923.63	3.74184	(15031222)			
471029.26	3750923.63	3.77917	(15031222)	471056.29	
3750923.90	3.93601	(14072222)			
471077.91	3750924.44	4.06995	(14072222)	471097.64	
3750924.44	4.46524	(14072222)			
471118.18	3750924.98	4.94058	(15073004)	471138.99	
3750927.42	5.43090	(14070703)			
471160.07	3750928.77	5.87053	(14070703)	471181.15	
3750931.47	6.71360	(12111622)			
471201.69	3750930.93	7.17883	(12111622)	471222.50	
3750931.47	7.38041	(15102720)			
471244.13	3750931.20	7.76285	(15102720)	471264.40	
3750931.74	8.06324	(15102720)			
471284.40	3750931.74	8.27015	(13090322)	471305.75	
3750931.74	8.38171	(13090322)			
471324.67	3750930.93	8.17643	(13090322)	471343.05	
3750930.12	7.95212	(13070301)			

471363.86	3750929.04	7.78063	(14092602)	471381.96
3750928.77	7.72878	(14092602)		
471400.88	3750928.23	7.71873	(15091223)	471421.15
3750927.96	7.67823	(15091223)		
471440.59	3750928.11	7.56469	(12091920)	471461.83
3750927.45	7.43852	(12091920)		
471479.76	3750927.95	7.33968	(13090522)	471499.68
3750927.62	7.26902	(13090522)		
471519.26	3750928.78	7.19110	(13090522)	471537.02
3750929.61	7.31947	(13090522)		
471556.77	3750930.94	7.34306	(13090522)	471580.68
3750934.09	7.65472	(13090522)		
471624.00	3750940.23	7.82066	(13090322)	471795.90
3750950.11	7.52029	(14070402)		
471796.29	3750967.88	7.60132	(14070402)	471796.69
3750987.22	7.64098	(15100222)		
471797.47	3751006.75	7.56055	(15100222)	471796.69
3751025.30	7.58459	(15100222)		
471795.90	3751046.40	7.63643	(12092021)	471796.69
3751072.96	7.64569	(12092021)		
471797.47	3751143.85	7.61096	(12092021)	471833.01
3751143.85	7.13685	(12092021)		
471867.38	3751144.05	6.37927	(12081722)	471891.02
3751144.44	5.33430	(12081722)		
471916.60	3751144.24	4.30340	(12081621)	471939.45
3751144.24	4.04435	(14083024)		
471963.08	3751144.44	3.77625	(15041821)	471984.17
3751144.05	3.68672	(15041821)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,
VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
VOL19 , VOL20 , VOL21 ,
VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN **
MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
471999.02	3751163.38	3.68811	(15041821)	472000.19	
3751199.12	4.12091	(15092721)			
471999.80	3751230.56	4.98782	(16061922)	472000.38	
3751251.46	5.59811	(16061922)			
472000.19	3751281.15	5.97911	(14091022)	472001.95	
3751347.94	6.60050	(12080621)			
472036.90	3751348.52	5.96142	(12080624)	472063.07	
3751349.31	5.71103	(12080524)			
472084.56	3751348.33	5.44726	(13063022)	472104.87	
3751348.72	5.10192	(13082222)			

472127.33	3751348.52	4.56482	(12081422)	472150.76
3751349.70	4.02741	(14091223)		
472171.47	3751349.50	3.75946	(12081622)	472194.12
3751349.11	3.63708	(15081620)		
472222.63	3751348.72	3.46487	(16082920)	472247.83
3751349.50	3.31770	(16082920)		
472269.70	3751349.11	3.12015	(16082920)	472290.40
3751350.28	3.05776	(16082920)		
472313.64	3751350.48	2.99309	(16082920)	472333.76
3751351.26	2.93134	(16082920)		
472354.85	3751351.26	2.79806	(16082920)	472377.70
3751351.06	2.68263	(16082920)		
472401.72	3751351.06	2.56144	(16081620)	472425.55
3751351.84	2.41827	(15102418)		
472445.67	3751350.67	2.37742	(15102418)	472463.24
3751350.87	2.31011	(15102418)		
472484.14	3751350.87	2.25647	(15102418)	472503.87
3751351.26	2.21713	(15102418)		
472523.79	3751351.26	2.18684	(15102418)	472543.32
3751351.26	2.15984	(15102418)		
472563.24	3751352.24	2.12851	(15102418)	472582.57
3751352.04	2.09744	(15102418)		
472601.32	3751352.04	2.06676	(15102418)	472606.79
3751367.27	2.05892	(15091321)		
472607.57	3751396.37	2.08038	(15091321)	472608.55
3751432.11	2.11202	(15070221)		
472608.94	3751462.58	2.13029	(15070221)	472609.52
3751497.15	2.16217	(14072920)		
472610.70	3751553.78	2.21962	(12080920)	472665.97
3751553.98	2.10039	(12080920)		
472690.38	3751553.59	2.05235	(12080920)	472713.50
3751554.27	2.01722	(12080920)		
472734.64	3751554.04	1.97893	(12080920)	472759.46
3751554.04	1.93399	(12080920)		
472781.75	3751554.50	1.89741	(12080920)	472849.76
3751556.11	1.82486	(12080920)		
472871.82	3751556.11	1.79669	(12080920)	472895.25
3751555.65	1.76562	(12080920)		
472922.60	3751555.88	1.73423	(12080920)	473092.41
3751802.31	1.59487	(13082619)		
473204.80	3751856.81	1.49079	(13082920)	472991.21
3752083.31	1.72647	(16082919)		
473295.12	3752052.49	1.40931	(13090121)	473356.76
3752050.34	1.35462	(12080821)		
473495.10	3751996.58	1.26241	(13070920)	473486.50
3751917.74	1.26500	(13082920)		
473392.60	3752058.22	1.32667	(13090121)	473464.28
3752082.59	1.27912	(13090121)		
473550.29	3752087.61	1.21740	(13090121)	473584.69
3752089.76	1.19765	(13090121)		
472765.59	3752474.09	1.94991	(16062023)	470432.16
3750483.93	3.40039	(16100620)		
469244.06	3754182.82	0.74440	(14091624)	469596.75
3750785.65	1.26122	(15021122)		
470466.55	3750530.27	3.88977	(12091321)	469319.29
3749244.53	0.77848	(15100924)		
469229.64	3749502.19	0.82342	(15031221)	468465.38
3749582.33	0.67037	(14051321)		
471438.37	3750129.76	4.34466	(16102220)	471657.54
3749918.78	3.24695	(14092602)		
471732.91	3749916.52	3.08144	(15091223)	471710.30
3750132.80	3.82043	(15091223)		
471273.89	3750119.77	4.56002	(15073004)	470973.43
3752300.84	7.27062	(13062606)		
470973.95	3752278.41	7.44002	(13062606)	470973.95
3752235.65	7.75363	(13062606)		

470971.86 3752174.63 7.86937 (13062606) 470967.17
 3752139.16 7.85370 (13062606)
 470962.47 3752110.48 7.91458 (13062606) 470952.57
 3752077.10 7.90922 (13062606)

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 11/02/23
 *** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF NOX IN **
 MICROGRAMS/M**3

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
470935.35	3752029.11	7.67247	(13062606)	470922.32	
3751998.86	7.45799	(13062606)			
470910.32	3751966.53	7.52748	(13062606)	470891.54	
3751915.42	7.83512	(13062606)			
470880.59	3751877.86	8.03196	(13062606)	470874.85	
3751848.14	8.02425	(13062606)			
470871.72	3751810.58	7.84441	(13062606)	470871.20	
3751779.29	7.57133	(13062606)			
470872.25	3751740.70	7.30142	(13062606)	470876.42	
3751710.45	7.27631	(13062606)			
470884.76	3751671.85	7.42872	(13062606)	470900.41	
3751616.57	7.71913	(13062606)			
470911.88	3751582.67	7.77216	(13062606)	470919.71	
3751556.07	7.68738	(13062606)			
470931.18	3751524.25	7.66728	(13062606)	470940.05	
3751496.61	7.60705	(13062606)			
470951.52	3751461.14	7.43231	(13062606)	470961.95	
3751424.64	7.04856	(13041207)			

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 11/02/23
 *** AERMET - VERSION 16216 ***
 *** 17:29:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

** CONC OF NOX IN **
 MICROGRAMS/M**3

DATE

GROUP ID ZELEV, ZHILL, ZFLAG)	OF TYPE	AVERAGE CONC GRID-ID	(YYMMDDHH)	NETWORK RECEPTOR (XR, YR,
----------------------------------	---------	-------------------------	------------	------------------------------

ALL HIGH 1ST HIGH VALUE IS 8.38171 ON 13090322: AT (471305.75, 3750931.74,
536.50, 536.50, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 11/02/23
*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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 146 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 146 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```

** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 11/2/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\LSTs\14064 Ops PM10 Mit\14064
Ops PM10 Mit.ADI
**

```

```

*****
**
**
*****
** AERMOD Control Pathway
*****
**
**

```

```

CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2189641 Riverside_County
POLLUTID PM_10
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14064 Ops PM10 Mit.err"

```

```

CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**

```

```

SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **

```

LOCATION	VOL	VOLUME	X Coord.	Y Coord.
LOCATION VOL1		471175.473	3752366.407	510.210
LOCATION VOL2		471362.212	3752367.600	512.450
LOCATION VOL3		471550.136	3752368.393	518.920
LOCATION VOL4		471609.606	3752371.565	516.010
LOCATION VOL5		471796.736	3752342.227	515.100
LOCATION VOL6		471984.660	3752344.605	513.590
LOCATION VOL7		472003.690	3752346.984	512.090
LOCATION VOL8		472002.898	3752159.060	521.590
LOCATION VOL9		471814.181	3752156.682	520.730
LOCATION VOL10		471628.636	3752181.262	526.790
LOCATION VOL11		471440.712	3752181.262	527.380
LOCATION VOL12		471253.581	3752180.469	518.870
LOCATION VOL13		471092.617	3752217.737	509.620
LOCATION VOL14		471074.380	3752029.020	516.070
LOCATION VOL15		471263.889	3751992.546	521.100
LOCATION VOL16		471452.606	3751994.132	529.960
LOCATION VOL17		471640.530	3751992.546	534.940
LOCATION VOL18		471827.661	3751967.965	533.000
LOCATION VOL19		472002.898	3751970.344	527.910
LOCATION VOL20		471845.105	3751780.041	538.850
LOCATION VOL21		471657.181	3751803.829	536.000
LOCATION VOL22		471468.465	3751806.208	528.300
LOCATION VOL23		471280.541	3751807.001	524.990
LOCATION VOL24		471093.410	3751841.890	515.600
LOCATION VOL25		470978.435	3751841.890	518.120
LOCATION VOL26		471014.117	3751654.759	520.370
LOCATION VOL27		471201.248	3751654.759	525.140
LOCATION VOL28		471389.172	3751619.077	534.860

LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810

** Source Parameters **

SRCPARAM VOL1	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL2	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL3	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL4	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL5	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL6	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL7	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL8	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL9	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL10	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL11	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL12	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL13	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL14	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL15	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL16	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL17	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL18	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL19	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL20	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL21	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL22	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL23	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL24	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL25	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL26	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL27	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL28	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL29	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL30	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL31	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL32	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL33	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL34	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL35	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL36	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL37	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL38	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL39	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL40	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL41	0.0077614694	5.000	43.702	1.400
SRCPARAM VOL48	0.0077614694	5.000	43.702	1.400

URBANSRC ALL

SRCGROUP ALL

SO FINISHED

**

 ** AERMOD Receptor Pathway

 **
 **

RE STARTING
INCLUDED "14064 Ops PM10 Mit.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
RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "14064 OPS PM10 MIT.AD\24H1GALL.PLT" 31
SUMMFILE "14064 Ops PM10 Mit.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 146 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 146 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options

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* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 42 Source(s),
  for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Accepts FLAGPOLE Receptor . Heights.
* The User Specified a Pollutant Type of: PM_10

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 42 Source(s); 1 Source Group(s); and 258 Receptor(s)

with: 0 POINT(s), including
      0 POINTCAP(s) and 0 POINTHOR(s)
and: 42 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
  Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
  Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
  Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                m for Missing Hours
                                                b for Both Calm and Missing
                                                Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 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 = 3.5 MB of RAM.

**Input Runstream File:
aermod.inp
**Output Print File:
aermod.out

**Detailed Error/Message File: 14064 Ops PM10
Mit.err
**File for Summary of Results: 14064 Ops PM10
Mit.sum

```


VOL24	0	0.77615E-02	471093.4	3751841.9	515.6	5.00	43.70	1.40
YES								
VOL25	0	0.77615E-02	470978.4	3751841.9	518.1	5.00	43.70	1.40
YES								
VOL26	0	0.77615E-02	471014.1	3751654.8	520.4	5.00	43.70	1.40
YES								
VOL27	0	0.77615E-02	471201.2	3751654.8	525.1	5.00	43.70	1.40
YES								
VOL28	0	0.77615E-02	471389.2	3751619.1	534.9	5.00	43.70	1.40
YES								
VOL29	0	0.77615E-02	471577.9	3751616.7	529.0	5.00	43.70	1.40
YES								
VOL30	0	0.77615E-02	471724.6	3751620.7	533.8	5.00	43.70	1.40
YES								
VOL31	0	0.77615E-02	471941.0	3751865.7	534.6	5.00	43.70	1.40
YES								
VOL32	0	0.77615E-02	471795.2	3751684.9	537.3	5.00	43.70	1.40
YES								
VOL33	0	0.77615E-02	471577.9	3751434.3	531.1	5.00	43.70	1.40
YES								
VOL34	0	0.77615E-02	471390.0	3751431.9	537.3	5.00	43.70	1.40
YES								
VOL35	0	0.77615E-02	471202.0	3751467.6	526.8	5.00	43.70	1.40
YES								
VOL36	0	0.77615E-02	471065.7	3751504.9	522.0	5.00	43.70	1.40
YES								
VOL37	0	0.77615E-02	471656.4	3751514.4	529.5	5.00	43.70	1.40
YES								
VOL38	0	0.77615E-02	471522.4	3751324.1	529.0	5.00	43.70	1.40
YES								
VOL39	0	0.77615E-02	471332.9	3751322.5	529.5	5.00	43.70	1.40
YES								
VOL40	0	0.77615E-02	471282.9	3751321.7	528.2	5.00	43.70	1.40
YES								

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	CATS.	BY					

VOL41	0	0.77615E-02	471233.8	3751388.3	528.5	5.00	43.70	1.40
YES								
VOL48	0	0.77615E-02	471084.5	3752407.2	506.8	5.00	43.70	1.40
YES								

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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 (472084.6, 3751348.3, 535.8, 535.8, 2.0); (472104.9, 3751348.7,
 534.6, 534.6, 2.0);
 (472127.3, 3751348.5, 533.0, 533.0, 2.0); (472150.8, 3751349.7,
 531.4, 531.4, 2.0);
 (472171.5, 3751349.5, 530.3, 530.3, 2.0); (472194.1, 3751349.1,
 528.2, 531.0, 2.0);
 (472222.6, 3751348.7, 525.4, 536.0, 2.0); (472247.8, 3751349.5,
 523.2, 536.0, 2.0);
 (472269.7, 3751349.1, 520.9, 536.0, 2.0); (472290.4, 3751350.3,
 520.7, 535.0, 2.0);
 (472313.6, 3751350.5, 520.9, 532.0, 2.0); (472333.8, 3751351.3,
 520.6, 532.0, 2.0);

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
 Campus\14064 Ops\140 *** 11/02/23

*** AERMET - VERSION 16216 ***

17:33:05

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

(472354.8, 3751351.3,	518.5,	532.0,	2.0);	(472377.7, 3751351.1,
516.0, 532.0,	2.0);			
(472401.7, 3751351.1,	513.6,	533.0,	2.0);	(472425.5, 3751351.8,
511.8, 532.0,	2.0);			
(472445.7, 3751350.7,	511.1,	532.0,	2.0);	(472463.2, 3751350.9,
509.4, 532.0,	2.0);			
(472484.1, 3751350.9,	507.3,	532.0,	2.0);	(472503.9, 3751351.3,
506.3, 532.0,	2.0);			
(472523.8, 3751351.3,	506.2,	531.0,	2.0);	(472543.3, 3751351.3,
506.4, 506.4,	2.0);			
(472563.2, 3751352.2,	506.1,	506.1,	2.0);	(472582.6, 3751352.0,
505.8, 505.8,	2.0);			
(472601.3, 3751352.0,	505.3,	505.3,	2.0);	(472606.8, 3751367.3,
504.3, 504.3,	2.0);			
(472607.6, 3751396.4,	504.2,	504.2,	2.0);	(472608.5, 3751432.1,
505.0, 505.0,	2.0);			
(472608.9, 3751462.6,	504.4,	504.4,	2.0);	(472609.5, 3751497.1,
505.0, 505.0,	2.0);			
(472610.7, 3751553.8,	505.4,	505.4,	2.0);	(472666.0, 3751554.0,
501.3, 501.3,	2.0);			
(472690.4, 3751553.6,	499.8,	499.8,	2.0);	(472713.5, 3751554.3,
499.2, 499.2,	2.0);			
(472734.6, 3751554.0,	497.9,	497.9,	2.0);	(472759.5, 3751554.0,
496.2, 496.2,	2.0);			
(472781.8, 3751554.5,	494.9,	499.0,	2.0);	(472849.8, 3751556.1,
495.4, 495.4,	2.0);			
(472871.8, 3751556.1,	494.9,	494.9,	2.0);	(472895.2, 3751555.6,
494.2, 494.2,	2.0);			
(472922.6, 3751555.9,	493.8,	493.8,	2.0);	(473092.4, 3751802.3,
486.1, 486.1,	2.0);			
(473204.8, 3751856.8,	481.6,	481.6,	2.0);	(472991.2, 3752083.3,
484.1, 484.1,	2.0);			
(473295.1, 3752052.5,	478.7,	478.7,	2.0);	(473356.8, 3752050.3,
476.8, 476.8,	2.0);			
(473495.1, 3751996.6,	476.0,	476.0,	2.0);	(473486.5, 3751917.7,
475.8, 475.8,	2.0);			
(473392.6, 3752058.2,	475.9,	475.9,	2.0);	(473464.3, 3752082.6,
475.2, 475.2,	2.0);			
(473550.3, 3752087.6,	473.0,	473.0,	2.0);	(473584.7, 3752089.8,
473.0, 473.0,	2.0);			
(472765.6, 3752474.1,	477.2,	495.0,	2.0);	(470432.2, 3750483.9,
532.6, 532.6,	2.0);			
(469244.1, 3754182.8,	471.3,	485.0,	2.0);	(469596.8, 3750785.6,
493.4, 493.4,	2.0);			
(470466.5, 3750530.3,	535.0,	535.0,	2.0);	(469319.3, 3749244.5,
500.0, 500.0,	2.0);			
(469229.6, 3749502.2,	503.4,	503.4,	2.0);	(468465.4, 3749582.3,
490.5, 490.5,	2.0);			
(471438.4, 3750129.8,	539.2,	539.2,	2.0);	(471657.5, 3749918.8,
535.4, 535.4,	2.0);			
(471732.9, 3749916.5,	534.7,	534.7,	2.0);	(471710.3, 3750132.8,
537.0, 537.0,	2.0);			
(471273.9, 3750119.8,	540.5,	540.5,	2.0);	(470973.4, 3752300.8,
503.8, 503.8,	2.0);			
(470974.0, 3752278.4,	504.4,	504.4,	2.0);	(470974.0, 3752235.6,
505.0, 505.0,	2.0);			
(470971.9, 3752174.6,	506.2,	506.2,	2.0);	(470967.2, 3752139.2,
509.1, 509.1,	2.0);			
(470962.5, 3752110.5,	510.8,	510.8,	2.0);	(470952.6, 3752077.1,

Surface file:
 KRAL_V9_ADJU\KRAL_v9.SFC
 Version: 16216
 Profile file:
 KRAL_V9_ADJU\KRAL_v9.PFL
 Surface format:
 FREE

Met

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

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F indicates top of profile (=1) or below (=0)

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***          11/02/23

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*** AERMET - VERSION 16216 ***

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***                                     ***          17:33:05

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

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INCLUDING SOURCE(S):  VOL1      , VOL2      ,
VOL3      , VOL4      , VOL5
VOL6      , VOL7      , VOL8      , VOL9      , VOL10     ,
VOL11     , VOL12     , VOL13     ,
VOL14     , VOL15     , VOL16     , VOL17     , VOL18     ,
VOL19     , VOL20     , VOL21     ,
VOL22     , VOL23     , VOL24     , VOL25     , VOL26     ,
VOL27     , VOL28     , . . .    ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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** CONC OF PM_10      IN
MICROGRAMS/M**3      **

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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
472283.74	3752640.98	0.74180	(12121824)	472482.23	
3752398.04	0.78069	(12120224)			
472477.97	3752183.12	0.88533	(12120224)	472148.10	
3752531.53	1.14282	(12121824)			
472052.12	3752531.22	1.40953	(13121924)	471975.52	
3752531.22	1.60113	(13121924)			
471896.06	3752530.90	1.71194	(13121924)	471840.76	
3752529.94	1.75868	(13121924)			
471816.60	3752527.08	1.76353	(13121924)	471736.82	
3752557.91	1.66638	(13121924)			
471696.59	3752558.87	1.68852	(13121924)	471627.29	
3752556.22	1.80488	(13121924)			
471584.60	3752556.76	1.86150	(13121924)	471560.01	
3752556.22	1.87083	(13121924)			
471534.35	3752554.87	1.85937	(13121924)	471514.89	
3752554.87	1.83770	(13121924)			
471486.79	3752555.68	1.82876	(13121924)	471465.72	
3752555.41	1.81999	(13121924)			
471442.21	3752554.98	1.79245	(13121924)	471419.71	
3752552.46	1.79001	(13121924)			
471394.22	3752552.91	1.79295	(13121924)	471363.44	
3752552.46	1.81195	(13121924)			
471332.68	3752553.31	1.81814	(13121924)	471307.62	
3752552.94	1.82068	(13121924)			
471284.05	3752552.70	1.81074	(13121924)	471261.98	
3752552.70	1.80560	(13121924)			
471241.90	3752552.70	1.80686	(13121924)	471223.15	
3752552.86	1.81226	(13121924)			

471205.90	3752552.86	1.81910	(13121924)	471173.21
3752552.37	1.83353	(13121924)		
471135.70	3752552.53	1.82676	(13121924)	471093.22
3752551.54	1.78396	(13121924)		
471059.37	3752551.70	1.68881	(13121924)	471020.54
3752551.20	1.53540	(13121924)		
470981.05	3752563.65	1.31175	(13121924)	470980.39
3752552.20	1.36475	(13121924)		
470980.06	3752535.61	1.45149	(13121924)	470979.89
3752517.19	1.56057	(13121924)		
470980.06	3752499.76	1.67616	(13121924)	470980.22
3752479.85	1.81755	(13121924)		
470980.39	3752459.44	1.97353	(13121924)	470980.22
3752433.22	2.14087	(13121924)		
470980.06	3752404.02	2.25950	(13121924)	470927.12
3752402.69	1.64577	(13121924)		
470907.87	3752402.69	1.50270	(13121924)	470887.30
3752402.69	1.37502	(13121924)		
470869.71	3752402.03	1.29347	(13121924)	470849.63
3752401.86	1.21193	(13121924)		
470829.39	3752402.19	1.13976	(13121924)	470811.63
3752402.19	1.08382	(13121924)		
470791.55	3752402.53	1.02612	(13121924)	470773.63
3752401.86	0.98008	(13121924)		
470749.24	3752402.19	0.92229	(13121924)	470727.72
3752391.74	0.88748	(13121924)		
470733.04	3752338.97	0.94759	(13121924)	470733.70
3752320.55	0.96432b	(16120624)		
470734.20	3752291.01	0.99077b	(16120624)	470733.20
3752265.78	1.00704b	(16120624)		
470732.87	3752218.81	1.04094b	(16120624)	470732.54
3752182.14	1.06724b	(16120624)		
470732.37	3752145.29	1.09626b	(16120624)	470692.38
3752144.80	0.99853b	(16120624)		
470670.14	3752144.46	0.94996b	(16120624)	470651.72
3752144.30	0.91361b	(16120624)		
470633.46	3752144.13	0.87810b	(16120624)	470615.54
3752143.97	0.84523b	(16120624)		
470595.95	3752143.30	0.81166b	(16120624)	470577.03
3752143.47	0.78207b	(16120624)		
470553.63	3752143.47	0.74806b	(16120624)	470528.57
3752142.64	0.71294b	(16120624)		
470507.99	3752142.80	0.68466b	(16120624)	470485.59
3752142.47	0.65584b	(16120624)		
470471.60	3752131.63	0.64724	(12122024)	470471.60
3752109.21	0.66464	(12122024)		
470471.32	3752085.22	0.68106	(12122024)	470471.46
3752037.68	0.71335	(12122024)		
470471.74	3752013.00	0.72861	(12122024)	470470.89
3751987.18	0.74336m	(13010324)		
470470.89	3751965.74	0.75784m	(13010324)	470470.75
3751944.44	0.77151m	(13010324)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140 *** 11/02/23

*** AERMET - VERSION 16216 ***

*** 17:33:05

PAGE 12

*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5
VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
VOL11 , VOL12 , VOL13 ,

VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
470470.61	3751924.27	0.78254m	(13010324)	470470.47	
3751905.93	0.79134m	(13010324)			
470470.89	3751884.06	0.80509m	(13010324)	470470.61	
3751864.03	0.81444m	(13010324)			
470470.33	3751844.00	0.82162m	(13010324)	470470.19	
3751824.53	0.82559m	(13010324)			
470470.33	3751805.77	0.83065m	(13010324)	470470.33	
3751788.00	0.83655	(12010124)			
470470.33	3751761.19	0.86038	(12010124)	470471.03	
3751741.87	0.87807	(12010124)			
470470.05	3751722.82	0.89225	(12010124)	470470.19	
3751703.36	0.90732	(12010124)			
470470.19	3751683.75	0.91934	(12010124)	470470.33	
3751664.28	0.92941	(12010124)			
470470.33	3751642.41	0.93920	(12010124)	470470.47	
3751621.82	0.94547	(12010124)			
470470.19	3751599.81	0.94879	(12010124)	470470.61	
3751578.79	0.95021	(12010124)			
470469.62	3751555.94	0.94337	(12010124)	470470.05	
3751512.49	0.92813	(12010124)			
470468.64	3751414.59	0.89571	(13121524)	470469.76	
3751385.25	0.91548	(13121524)			
470468.65	3751358.95	0.91903	(13121524)	470462.93	
3751325.56	0.91188	(13121524)			
470461.98	3751310.62	0.90887	(13121524)	470462.61	
3751296.63	0.90527	(13121524)			
470462.61	3751283.28	0.89997	(13121524)	470462.61	
3751269.92	0.89300	(13121524)			
470462.93	3751254.35	0.88427	(13121524)	470461.98	
3751240.67	0.87591	(13121524)			
470463.25	3751227.64	0.87262	(13121524)	470756.39	
3751290.59	1.23968	(13121524)			
470797.72	3751268.33	1.27128	(13121524)	470891.19	
3751226.38	1.37452	(13121524)			
470940.78	3751191.82	1.37897	(13122424)	471000.61	
3750923.63	0.92553m	(15020724)			
471029.26	3750923.63	0.94625	(15121524)	471056.29	
3750923.90	0.97973	(15121524)			
471077.91	3750924.44	1.00315	(15121524)	471097.64	
3750924.44	1.01711	(15121524)			
471118.18	3750924.98	1.03479	(15121524)	471138.99	
3750927.42	1.05382	(15121524)			
471160.07	3750928.77	1.07570	(12021624)	471181.15	
3750931.47	1.16034m	(15020724)			
471201.69	3750930.93	1.21441m	(15020724)	471222.50	
3750931.47	1.21693	(15022224)			
471244.13	3750931.20	1.26578	(15022224)	471264.40	
3750931.74	1.30456	(15022224)			
471284.40	3750931.74	1.32995	(15022224)	471305.75	
3750931.74	1.33333	(15022224)			
471324.67	3750930.93	1.31088	(15022224)	471343.05	
3750930.12	1.27645	(15022224)			

471363.86	3750929.04	1.24433	(15022224)	471381.96
3750928.77	1.22205	(15022224)		
471400.88	3750928.23	1.19861	(15022224)	471421.15
3750927.96	1.17331	(15022224)		
471440.59	3750928.11	1.14559	(15022224)	471461.83
3750927.45	1.11440	(15022224)		
471479.76	3750927.95	1.09519	(15022224)	471499.68
3750927.62	1.07652	(15022224)		
471519.26	3750928.78	1.06542	(15022224)	471537.02
3750929.61	1.09567	(15022224)		
471556.77	3750930.94	1.11429	(15022224)	471580.68
3750934.09	1.15652	(15022224)		
471624.00	3750940.23	1.15558	(15022224)	471795.90
3750950.11	1.02789	(13111624)		
471796.29	3750967.88	1.06187	(13111624)	471796.69
3750987.22	1.11668b	(16120624)		
471797.47	3751006.75	1.19658b	(16120624)	471796.69
3751025.30	1.26600b	(16120624)		
471795.90	3751046.40	1.35611b	(16120624)	471796.69
3751072.96	1.46127b	(16120624)		
471797.47	3751143.85	1.77694b	(16120624)	471833.01
3751143.85	1.72530b	(16120624)		
471867.38	3751144.05	1.63253b	(16120624)	471891.02
3751144.44	1.52291b	(16120624)		
471916.60	3751144.24	1.33559b	(16120624)	471939.45
3751144.24	1.28328b	(16120624)		
471963.08	3751144.44	1.21572b	(16120624)	471984.17
3751144.05	1.17259b	(16120624)		

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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*** AERMET - VERSION 16216 ***

*** 17:33:05

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S):		VOL1	, VOL2	,	
VOL3	, VOL4	, VOL5	, VOL6	,	
VOL7	, VOL8	, VOL9	, VOL10	,	
VOL11	, VOL12	, VOL13	, VOL14	,	
VOL14	, VOL15	, VOL16	, VOL17	, VOL18	,
VOL19	, VOL20	, VOL21	, VOL22	, VOL23	,
VOL22	, VOL23	, VOL24	, VOL25	, VOL26	,
VOL27	, VOL28	, . . .	,		

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM₁₀ IN
 MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
471999.02	3751163.38	1.20125b	(16120624)	472000.19	
3751199.12	1.33655b	(16120624)			
471999.80	3751230.56	1.51284b	(16120624)	472000.38	
3751251.46	1.61624b	(16120624)			
472000.19	3751281.15	1.71519b	(16120624)	472001.95	
3751347.94	1.89618b	(16120624)			
472036.90	3751348.52	1.75954b	(16120624)	472063.07	
3751349.31	1.69000b	(16120624)			
472084.56	3751348.33	1.61745b	(16120624)	472104.87	
3751348.72	1.54732b	(16120624)			

472127.33	3751348.52	1.46233b	(16120624)	472150.76
3751349.70	1.34881b	(16120624)		
472171.47	3751349.50	1.29119b	(16120624)	472194.12
3751349.11	1.22506b	(16120624)		
472222.63	3751348.72	1.14598b	(16120624)	472247.83
3751349.50	1.07722b	(16120624)		
472269.70	3751349.11	1.01593b	(16120624)	472290.40
3751350.28	0.98896b	(16120624)		
472313.64	3751350.48	0.96074b	(16120624)	472333.76
3751351.26	0.93638b	(16120624)		
472354.85	3751351.26	0.88770b	(16120624)	472377.70
3751351.06	0.85301b	(16120624)		
472401.72	3751351.06	0.81941b	(16120624)	472425.55
3751351.84	0.78816b	(16120624)		
472445.67	3751350.67	0.76691b	(16120624)	472463.24
3751350.87	0.74604b	(16120624)		
472484.14	3751350.87	0.72317b	(16120624)	472503.87
3751351.26	0.70466b	(16120624)		
472523.79	3751351.26	0.68843b	(16120624)	472543.32
3751351.26	0.67356b	(16120624)		
472563.24	3751352.24	0.65827b	(16120624)	472582.57
3751352.04	0.64345b	(16120624)		
472601.32	3751352.04	0.62940b	(16120624)	472606.79
3751367.27	0.62892b	(16120624)		
472607.57	3751396.37	0.63792b	(16120624)	472608.55
3751432.11	0.65020b	(16120624)		
472608.94	3751462.58	0.65836b	(16120624)	472609.52
3751497.15	0.66937b	(16120624)		
472610.70	3751553.78	0.68489b	(16120624)	472665.97
3751553.98	0.63138b	(16120624)		
472690.38	3751553.59	0.60992b	(16120624)	472713.50
3751554.27	0.59238b	(16120624)		
472734.64	3751554.04	0.57557b	(16120624)	472759.46
3751554.04	0.55641b	(16120624)		
472781.75	3751554.50	0.54107	(16051524)	472849.76
3751556.11	0.51302	(16051524)		
472871.82	3751556.11	0.50317	(16051524)	472895.25
3751555.65	0.49260	(16051524)		
472922.60	3751555.88	0.48150	(16051524)	473092.41
3751802.31	0.47412	(12050124)		
473204.80	3751856.81	0.44070	(12050124)	472991.21
3752083.31	0.49457	(12050124)		
473295.12	3752052.49	0.39969	(12050124)	473356.76
3752050.34	0.38294	(12050124)		
473495.10	3751996.58	0.36021	(12050124)	473486.50
3751917.74	0.36805	(12050124)		
473392.60	3752058.22	0.37236	(12050124)	473464.28
3752082.59	0.35124	(12050124)		
473550.29	3752087.61	0.33138	(12050124)	473584.69
3752089.76	0.32469	(12050124)		
472765.59	3752474.09	0.47624	(12120224)	470432.16
3750483.93	0.57409	(12122924)		
469244.06	3754182.82	0.10748	(15030124)	469596.75
3750785.65	0.37947	(13121524)		
470466.55	3750530.27	0.65405	(12122924)	469319.29
3749244.53	0.14254	(13010424)		
469229.64	3749502.19	0.17370	(13010424)	468465.38
3749582.33	0.15639	(12010424)		
471438.37	3750129.76	0.54792	(15022224)	471657.54
3749918.78	0.39164	(15022224)		
471732.91	3749916.52	0.36264	(15022224)	471710.30
3750132.80	0.45039	(15022224)		
471273.89	3750119.77	0.50813	(15022224)	470973.43
3752300.84	2.21135	(13121924)		
470973.95	3752278.41	2.26602	(13121924)	470973.95
3752235.65	2.35431	(13121924)		

470971.86 3752174.63 2.37304 (13121924) 470967.17
 3752139.16 2.37964 (13121924)
 470962.47 3752110.48 2.39390 (13121924) 470952.57
 3752077.10 2.40348 (13121924)

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR

SOURCE GROUP: ALL ***
 INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_10 IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
470935.35	3752029.11	2.31309	(13121924)	470922.32	
3751998.86	2.22835	(13121924)			
470910.32	3751966.53	2.26800	(13121924)	470891.54	
3751915.42	2.38462	(13121924)			
470880.59	3751877.86	2.44689	(13121924)	470874.85	
3751848.14	2.50207m	(13010324)			
470871.72	3751810.58	2.62482m	(13010324)	470871.20	
3751779.29	2.51153m	(13010324)			
470872.25	3751740.70	2.32774m	(13010324)	470876.42	
3751710.45	2.26317m	(13010324)			
470884.76	3751671.85	2.32651m	(13010324)	470900.41	
3751616.57	2.53375m	(13010324)			
470911.88	3751582.67	2.56444m	(13010324)	470919.71	
3751556.07	2.50771m	(13010324)			
470931.18	3751524.25	2.46981m	(13010324)	470940.05	
3751496.61	2.46244m	(13010324)			
470951.52	3751461.14	2.43296m	(13010324)	470961.95	
3751424.64	2.30215m	(13010324)			

*** AERMOD - VERSION 22112 *** ** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_10 IN
 MICROGRAMS/M**3 **

DATE

GROUP ID ZELEV, ZHILL, ZFLAG)	OF TYPE	AVERAGE CONC GRID-ID	(YYMMDDHH)	RECEPTOR	NETWORK (XR, YR,
----------------------------------	---------	-------------------------	------------	----------	---------------------

ALL HIGH 1ST HIGH VALUE IS 2.62482m ON 13010324: AT (470871.72, 3751810.58,
517.08, 517.08, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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 146 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 146 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

```
** Lakes Environmental AERMOD MPI
**
*****
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 11/2/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\LSTs\14064 Ops PM25 Mit\14064
Ops PM25 Mit.ADI
**
```

```
*****
**
**
*****
** AERMOD Control Pathway
*****
**
**
```

```
CO STARTING
TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14064 West Campus\14064 Ops\140
MODELOPT DFAULT CONC
AVERTIME 24
URBANOPT 2189641 Riverside_County
POLLUTID PM_2.5
FLAGPOLE 2.00
RUNORNOT RUN
ERRORFIL "14064 Ops PM25 Mit.err"
```

```
CO FINISHED
**
*****
** AERMOD Source Pathway
*****
**
**
```

```
SO STARTING
```

```
** Source Location **
```

```
** Source ID - Type - X Coord. - Y Coord. **
```

Source ID	Type	X Coord.	Y Coord.	
LOCATION VOL1	VOLUME	471175.473	3752366.407	510.210
LOCATION VOL2	VOLUME	471362.212	3752367.600	512.450
LOCATION VOL3	VOLUME	471550.136	3752368.393	518.920
LOCATION VOL4	VOLUME	471609.606	3752371.565	516.010
LOCATION VOL5	VOLUME	471796.736	3752342.227	515.100
LOCATION VOL6	VOLUME	471984.660	3752344.605	513.590
LOCATION VOL7	VOLUME	472003.690	3752346.984	512.090
LOCATION VOL8	VOLUME	472002.898	3752159.060	521.590
LOCATION VOL9	VOLUME	471814.181	3752156.682	520.730
LOCATION VOL10	VOLUME	471628.636	3752181.262	526.790
LOCATION VOL11	VOLUME	471440.712	3752181.262	527.380
LOCATION VOL12	VOLUME	471253.581	3752180.469	518.870
LOCATION VOL13	VOLUME	471092.617	3752217.737	509.620
LOCATION VOL14	VOLUME	471074.380	3752029.020	516.070
LOCATION VOL15	VOLUME	471263.889	3751992.546	521.100
LOCATION VOL16	VOLUME	471452.606	3751994.132	529.960
LOCATION VOL17	VOLUME	471640.530	3751992.546	534.940
LOCATION VOL18	VOLUME	471827.661	3751967.965	533.000
LOCATION VOL19	VOLUME	472002.898	3751970.344	527.910
LOCATION VOL20	VOLUME	471845.105	3751780.041	538.850
LOCATION VOL21	VOLUME	471657.181	3751803.829	536.000
LOCATION VOL22	VOLUME	471468.465	3751806.208	528.300
LOCATION VOL23	VOLUME	471280.541	3751807.001	524.990
LOCATION VOL24	VOLUME	471093.410	3751841.890	515.600
LOCATION VOL25	VOLUME	470978.435	3751841.890	518.120
LOCATION VOL26	VOLUME	471014.117	3751654.759	520.370
LOCATION VOL27	VOLUME	471201.248	3751654.759	525.140
LOCATION VOL28	VOLUME	471389.172	3751619.077	534.860

LOCATION VOL29	VOLUME	471577.888	3751616.698	529.000
LOCATION VOL30	VOLUME	471724.580	3751620.663	533.750
LOCATION VOL31	VOLUME	471941.049	3751865.677	534.600
LOCATION VOL32	VOLUME	471795.151	3751684.890	537.260
LOCATION VOL33	VOLUME	471577.888	3751434.325	531.060
LOCATION VOL34	VOLUME	471389.965	3751431.946	537.260
LOCATION VOL35	VOLUME	471202.041	3751467.628	526.830
LOCATION VOL36	VOLUME	471065.657	3751504.895	521.960
LOCATION VOL37	VOLUME	471656.388	3751514.411	529.480
LOCATION VOL38	VOLUME	471522.384	3751324.108	529.000
LOCATION VOL39	VOLUME	471332.874	3751322.522	529.530
LOCATION VOL40	VOLUME	471282.920	3751321.729	528.170
LOCATION VOL41	VOLUME	471233.758	3751388.335	528.470
LOCATION VOL48	VOLUME	471084.506	3752407.221	506.810

** Source Parameters **

SRCPARAM VOL1	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL2	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL3	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL4	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL5	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL6	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL7	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL8	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL9	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL10	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL11	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL12	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL13	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL14	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL15	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL16	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL17	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL18	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL19	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL20	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL21	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL22	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL23	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL24	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL25	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL26	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL27	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL28	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL29	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL30	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL31	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL32	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL33	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL34	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL35	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL36	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL37	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL38	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL39	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL40	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL41	0.0021545638	5.000	43.702	1.400
SRCPARAM VOL48	0.0021545638	5.000	43.702	1.400

URBANSRC ALL

SRCGROUP ALL

SO FINISHED

**

 ** AERMOD Receptor Pathway

 **
 **

RE STARTING
INCLUDED "14064 Ops PM25 Mit.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
RECTABLE ALLAVE 1ST
RECTABLE 24 1ST
** Auto-Generated Plotfiles
PLOTFILE 24 ALL 1ST "14064 OPS PM25 MIT.AD\24H1GALL.PLT" 31
SUMMFILE "14064 Ops PM25 Mit.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 146 MEOpen: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 146 MEOpen: ADJ_U* Option for Stable Low Winds used in AERMET

*** SETUP Finishes Successfully ***

*** AERMOD - VERSION 22112 *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 *** 11/02/23
*** AERMET - VERSION 16216 ***
*** 17:37:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** MODEL SETUP OPTIONS SUMMARY ***

** Model Options Selected:
* Model Uses Regulatory DEFAULT Options

```

* Model Is Setup For Calculation of Average CONCentration Values.
* NO GAS DEPOSITION Data Provided.
* NO PARTICLE DEPOSITION Data Provided.
* Model Uses NO DRY DEPLETION. DDPLETE = F
* Model Uses NO WET DEPLETION. WETDPLT = F
* Stack-tip Downwash.
* Model Accounts for ELEVated Terrain Effects.
* Use Calms Processing Routine.
* Use Missing Data Processing Routine.
* No Exponential Decay.
* Model Uses URBAN Dispersion Algorithm for the SBL for 42 Source(s),
  for Total of 1 Urban Area(s):
Urban Population = 2189641.0 ; Urban Roughness Length = 1.000 m
* Urban Roughness Length of 1.0 Meter Used.
* ADJ_U* - Use ADJ_U* option for SBL in AERMET
* CCVR_Sub - Meteorological data includes CCVR substitutions
* TEMP_Sub - Meteorological data includes TEMP substitutions
* Model Accepts FLAGPOLE Receptor . Heights.
* The User Specified a Pollutant Type of: PM_2.5

**Model Calculates 1 Short Term Average(s) of: 24-HR

**This Run Includes: 42 Source(s); 1 Source Group(s); and 258 Receptor(s)

with: 0 POINT(s), including
      0 POINTCAP(s) and 0 POINTHOR(s)
and: 42 VOLUME source(s)
and: 0 AREA type source(s)
and: 0 LINE source(s)
and: 0 RLINE/RLINEXT source(s)
and: 0 OPENPIT source(s)
and: 0 BUOYANT LINE source(s) with a total of 0 line(s)
and: 0 SWPOINT source(s)

**Model Set To Continue RUNning After the Setup Testing.

**The AERMET Input Meteorological Data Version Date: 16216

**Output Options Selected:
  Model Outputs Tables of Highest Short Term Values by Receptor (RECTABLE Keyword)
  Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
  Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)

**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                m for Missing Hours
                                                b for Both Calm and Missing
                                                Hours

**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 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 = 3.5 MB of RAM.

**Input Runstream File:
aermod.inp
**Output Print File:
aermod.out

**Detailed Error/Message File: 14064 Ops PM25
Mit.err
**File for Summary of Results: 14064 Ops PM25
Mit.sum

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VOL24	0	0.21546E-02	471093.4	3751841.9	515.6	5.00	43.70	1.40
YES								
VOL25	0	0.21546E-02	470978.4	3751841.9	518.1	5.00	43.70	1.40
YES								
VOL26	0	0.21546E-02	471014.1	3751654.8	520.4	5.00	43.70	1.40
YES								
VOL27	0	0.21546E-02	471201.2	3751654.8	525.1	5.00	43.70	1.40
YES								
VOL28	0	0.21546E-02	471389.2	3751619.1	534.9	5.00	43.70	1.40
YES								
VOL29	0	0.21546E-02	471577.9	3751616.7	529.0	5.00	43.70	1.40
YES								
VOL30	0	0.21546E-02	471724.6	3751620.7	533.8	5.00	43.70	1.40
YES								
VOL31	0	0.21546E-02	471941.0	3751865.7	534.6	5.00	43.70	1.40
YES								
VOL32	0	0.21546E-02	471795.2	3751684.9	537.3	5.00	43.70	1.40
YES								
VOL33	0	0.21546E-02	471577.9	3751434.3	531.1	5.00	43.70	1.40
YES								
VOL34	0	0.21546E-02	471390.0	3751431.9	537.3	5.00	43.70	1.40
YES								
VOL35	0	0.21546E-02	471202.0	3751467.6	526.8	5.00	43.70	1.40
YES								
VOL36	0	0.21546E-02	471065.7	3751504.9	522.0	5.00	43.70	1.40
YES								
VOL37	0	0.21546E-02	471656.4	3751514.4	529.5	5.00	43.70	1.40
YES								
VOL38	0	0.21546E-02	471522.4	3751324.1	529.0	5.00	43.70	1.40
YES								
VOL39	0	0.21546E-02	471332.9	3751322.5	529.5	5.00	43.70	1.40
YES								
VOL40	0	0.21546E-02	471282.9	3751321.7	528.2	5.00	43.70	1.40
YES								

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.
SOURCE	URBAN	EMISSION RATE	X	Y	ELEV.	HEIGHT	SY	SZ
ID	PART.	(GRAMS/SEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)
(METERS)	SCALAR VARY	CATS.	BY					

VOL41	0	0.21546E-02	471233.8	3751388.3	528.5	5.00	43.70	1.40
YES								
VOL48	0	0.21546E-02	471084.5	3752407.2	506.8	5.00	43.70	1.40
YES								

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
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*** AERMET - VERSION 16216 ***
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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

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*** DISCRETE CARTESIAN RECEPTORS ***
(X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
(METERS)

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** DISCRETE CARTESIAN RECEPTORS ***
 (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
 (METERS)

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(473495.1, 3751996.6,	476.0,	476.0,	2.0);	(473486.5, 3751917.7,
475.8, 475.8,	2.0);			
(473392.6, 3752058.2,	475.9,	475.9,	2.0);	(473464.3, 3752082.6,
475.2, 475.2,	2.0);			
(473550.3, 3752087.6,	473.0,	473.0,	2.0);	(473584.7, 3752089.8,
473.0, 473.0,	2.0);			
(472765.6, 3752474.1,	477.2,	495.0,	2.0);	(470432.2, 3750483.9,
532.6, 532.6,	2.0);			
(469244.1, 3754182.8,	471.3,	485.0,	2.0);	(469596.8, 3750785.6,
493.4, 493.4,	2.0);			
(470466.5, 3750530.3,	535.0,	535.0,	2.0);	(469319.3, 3749244.5,
500.0, 500.0,	2.0);			
(469229.6, 3749502.2,	503.4,	503.4,	2.0);	(468465.4, 3749582.3,
490.5, 490.5,	2.0);			
(471438.4, 3750129.8,	539.2,	539.2,	2.0);	(471657.5, 3749918.8,
535.4, 535.4,	2.0);			
(471732.9, 3749916.5,	534.7,	534.7,	2.0);	(471710.3, 3750132.8,
537.0, 537.0,	2.0);			
(471273.9, 3750119.8,	540.5,	540.5,	2.0);	(470973.4, 3752300.8,
503.8, 503.8,	2.0);			
(470974.0, 3752278.4,	504.4,	504.4,	2.0);	(470974.0, 3752235.6,
505.0, 505.0,	2.0);			
(470971.9, 3752174.6,	506.2,	506.2,	2.0);	(470967.2, 3752139.2,
509.1, 509.1,	2.0);			
(470962.5, 3752110.5,	510.8,	510.8,	2.0);	(470952.6, 3752077.1,


```

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

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F indicates top of profile (=1) or below (=0)

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*** AERMOD - VERSION 22112 ***      *** C:\Users\Michael Tirohn\Desktop\HRAs\14064 West
Campus\14064 Ops\140 ***          11/02/23

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*** AERMET - VERSION 16216 ***

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*** MODELOPTs:   RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
SOURCE GROUP: ALL ***

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INCLUDING SOURCE(S):  VOL1      , VOL2      ,
VOL3      , VOL4      , VOL5
VOL6      , VOL7      , VOL8      , VOL9      , VOL10     ,
VOL11     , VOL12     , VOL13     ,
VOL14     , VOL15     , VOL16     , VOL17     , VOL18     ,
VOL19     , VOL20     , VOL21     ,
VOL22     , VOL23     , VOL24     , VOL25     , VOL26     ,
VOL27     , VOL28     , . . .    ,

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*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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** CONC OF PM_2.5 IN
MICROGRAMS/M**3 **

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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
472283.74	3752640.98	0.20592	(12121824)	472482.23	
3752398.04	0.21672	(12120224)			
472477.97	3752183.12	0.24576	(12120224)	472148.10	
3752531.53	0.31724	(12121824)			
472052.12	3752531.22	0.39128	(13121924)	471975.52	
3752531.22	0.44447	(13121924)			
471896.06	3752530.90	0.47523	(13121924)	471840.76	
3752529.94	0.48821	(13121924)			
471816.60	3752527.08	0.48955	(13121924)	471736.82	
3752557.91	0.46258	(13121924)			
471696.59	3752558.87	0.46873	(13121924)	471627.29	
3752556.22	0.50103	(13121924)			
471584.60	3752556.76	0.51675	(13121924)	471560.01	
3752556.22	0.51934	(13121924)			
471534.35	3752554.87	0.51616	(13121924)	471514.89	
3752554.87	0.51014	(13121924)			
471486.79	3752555.68	0.50766	(13121924)	471465.72	
3752555.41	0.50523	(13121924)			
471442.21	3752554.98	0.49758	(13121924)	471419.71	
3752552.46	0.49690	(13121924)			
471394.22	3752552.91	0.49772	(13121924)	471363.44	
3752552.46	0.50299	(13121924)			
471332.68	3752553.31	0.50471	(13121924)	471307.62	
3752552.94	0.50542	(13121924)			
471284.05	3752552.70	0.50266	(13121924)	471261.98	
3752552.70	0.50123	(13121924)			
471241.90	3752552.70	0.50158	(13121924)	471223.15	
3752552.86	0.50308	(13121924)			

471205.90	3752552.86	0.50498	(13121924)	471173.21
3752552.37	0.50898	(13121924)		
471135.70	3752552.53	0.50710	(13121924)	471093.22
3752551.54	0.49522	(13121924)		
471059.37	3752551.70	0.46881	(13121924)	471020.54
3752551.20	0.42622	(13121924)		
470981.05	3752563.65	0.36414	(13121924)	470980.39
3752552.20	0.37885	(13121924)		
470980.06	3752535.61	0.40293	(13121924)	470979.89
3752517.19	0.43321	(13121924)		
470980.06	3752499.76	0.46530	(13121924)	470980.22
3752479.85	0.50455	(13121924)		
470980.39	3752459.44	0.54785	(13121924)	470980.22
3752433.22	0.59430	(13121924)		
470980.06	3752404.02	0.62723	(13121924)	470927.12
3752402.69	0.45686	(13121924)		
470907.87	3752402.69	0.41715	(13121924)	470887.30
3752402.69	0.38170	(13121924)		
470869.71	3752402.03	0.35906	(13121924)	470849.63
3752401.86	0.33643	(13121924)		
470829.39	3752402.19	0.31639	(13121924)	470811.63
3752402.19	0.30086	(13121924)		
470791.55	3752402.53	0.28485	(13121924)	470773.63
3752401.86	0.27207	(13121924)		
470749.24	3752402.19	0.25602	(13121924)	470727.72
3752391.74	0.24636	(13121924)		
470733.04	3752338.97	0.26305	(13121924)	470733.70
3752320.55	0.26769b	(16120624)		
470734.20	3752291.01	0.27504b	(16120624)	470733.20
3752265.78	0.27955b	(16120624)		
470732.87	3752218.81	0.28896b	(16120624)	470732.54
3752182.14	0.29626b	(16120624)		
470732.37	3752145.29	0.30432b	(16120624)	470692.38
3752144.80	0.27719b	(16120624)		
470670.14	3752144.46	0.26371b	(16120624)	470651.72
3752144.30	0.25362b	(16120624)		
470633.46	3752144.13	0.24376b	(16120624)	470615.54
3752143.97	0.23463b	(16120624)		
470595.95	3752143.30	0.22531b	(16120624)	470577.03
3752143.47	0.21710b	(16120624)		
470553.63	3752143.47	0.20766b	(16120624)	470528.57
3752142.64	0.19791b	(16120624)		
470507.99	3752142.80	0.19006b	(16120624)	470485.59
3752142.47	0.18206b	(16120624)		
470471.60	3752131.63	0.17967	(12122024)	470471.60
3752109.21	0.18450	(12122024)		
470471.32	3752085.22	0.18906	(12122024)	470471.46
3752037.68	0.19802	(12122024)		
470471.74	3752013.00	0.20226	(12122024)	470470.89
3751987.18	0.20635m	(13010324)		
470470.89	3751965.74	0.21037m	(13010324)	470470.75
3751944.44	0.21417m	(13010324)		

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

	INCLUDING SOURCE(S):	VOL1	, VOL2	,	
	VOL3	, VOL4	, VOL5	,	
VOL6	, VOL7	, VOL8	, VOL9	, VOL10	,
VOL11	, VOL12	, VOL13	,		

VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN
 MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
(M)	CONC	(YYMMDDHH)			
470470.61	3751924.27	0.21723m	(13010324)	470470.47	
3751905.93	0.21967m	(13010324)			
470470.89	3751884.06	0.22349m	(13010324)	470470.61	
3751864.03	0.22609m	(13010324)			
470470.33	3751844.00	0.22808m	(13010324)	470470.19	
3751824.53	0.22918m	(13010324)			
470470.33	3751805.77	0.23059m	(13010324)	470470.33	
3751788.00	0.23222	(12010124)			
470470.33	3751761.19	0.23884	(12010124)	470471.03	
3751741.87	0.24375	(12010124)			
470470.05	3751722.82	0.24769	(12010124)	470470.19	
3751703.36	0.25187	(12010124)			
470470.19	3751683.75	0.25521	(12010124)	470470.33	
3751664.28	0.25800	(12010124)			
470470.33	3751642.41	0.26072	(12010124)	470470.47	
3751621.82	0.26246	(12010124)			
470470.19	3751599.81	0.26338	(12010124)	470470.61	
3751578.79	0.26378	(12010124)			
470469.62	3751555.94	0.26188	(12010124)	470470.05	
3751512.49	0.25765	(12010124)			
470468.64	3751414.59	0.24865	(13121524)	470469.76	
3751385.25	0.25414	(13121524)			
470468.65	3751358.95	0.25512	(13121524)	470462.93	
3751325.56	0.25314	(13121524)			
470461.98	3751310.62	0.25230	(13121524)	470462.61	
3751296.63	0.25130	(13121524)			
470462.61	3751283.28	0.24983	(13121524)	470462.61	
3751269.92	0.24789	(13121524)			
470462.93	3751254.35	0.24547	(13121524)	470461.98	
3751240.67	0.24315	(13121524)			
470463.25	3751227.64	0.24224	(13121524)	470756.39	
3751290.59	0.34413	(13121524)			
470797.72	3751268.33	0.35291	(13121524)	470891.19	
3751226.38	0.38156	(13121524)			
470940.78	3751191.82	0.38280	(13122424)	471000.61	
3750923.63	0.25692m	(15020724)			
471029.26	3750923.63	0.26268	(15121524)	471056.29	
3750923.90	0.27197	(15121524)			
471077.91	3750924.44	0.27847	(15121524)	471097.64	
3750924.44	0.28235	(15121524)			
471118.18	3750924.98	0.28726	(15121524)	471138.99	
3750927.42	0.29254	(15121524)			
471160.07	3750928.77	0.29861	(12021624)	471181.15	
3750931.47	0.32211m	(15020724)			
471201.69	3750930.93	0.33712m	(15020724)	471222.50	
3750931.47	0.33782	(15022224)			
471244.13	3750931.20	0.35138	(15022224)	471264.40	
3750931.74	0.36214	(15022224)			
471284.40	3750931.74	0.36919	(15022224)	471305.75	
3750931.74	0.37013	(15022224)			
471324.67	3750930.93	0.36390	(15022224)	471343.05	
3750930.12	0.35434	(15022224)			

471363.86	3750929.04	0.34542	(15022224)	471381.96
3750928.77	0.33924	(15022224)		
471400.88	3750928.23	0.33273	(15022224)	471421.15
3750927.96	0.32571	(15022224)		
471440.59	3750928.11	0.31801	(15022224)	471461.83
3750927.45	0.30935	(15022224)		
471479.76	3750927.95	0.30402	(15022224)	471499.68
3750927.62	0.29884	(15022224)		
471519.26	3750928.78	0.29576	(15022224)	471537.02
3750929.61	0.30416	(15022224)		
471556.77	3750930.94	0.30932	(15022224)	471580.68
3750934.09	0.32105	(15022224)		
471624.00	3750940.23	0.32079	(15022224)	471795.90
3750950.11	0.28534	(13111624)		
471796.29	3750967.88	0.29477	(13111624)	471796.69
3750987.22	0.30999b	(16120624)		
471797.47	3751006.75	0.33217b	(16120624)	471796.69
3751025.30	0.35144b	(16120624)		
471795.90	3751046.40	0.37645b	(16120624)	471796.69
3751072.96	0.40564b	(16120624)		
471797.47	3751143.85	0.49327b	(16120624)	471833.01
3751143.85	0.47894b	(16120624)		
471867.38	3751144.05	0.45319b	(16120624)	471891.02
3751144.44	0.42276b	(16120624)		
471916.60	3751144.24	0.37075b	(16120624)	471939.45
3751144.24	0.35623b	(16120624)		
471963.08	3751144.44	0.33748b	(16120624)	471984.17
3751144.05	0.32551b	(16120624)		

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 Campus\14064 Ops\140 *** 11/02/23

*** AERMET - VERSION 16216 ***

*** 17:37:12

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S):		VOL1	, VOL2	,	
VOL3	, VOL4	, VOL5	, VOL6	,	
VOL7	, VOL8	, VOL9	, VOL10	,	
VOL11	, VOL12	, VOL13	, VOL14	,	
VOL14	, VOL15	, VOL16	, VOL17	, VOL18	,
VOL19	, VOL20	, VOL21	, VOL22	, VOL23	,
VOL22	, VOL23	, VOL24	, VOL25	, VOL26	,
VOL27	, VOL28	, . . .	,		

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_{2.5} IN
 MICROGRAMS/M³ **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
471999.02	3751163.38	0.33346b	(16120624)	472000.19	
3751199.12	0.37102b	(16120624)			
471999.80	3751230.56	0.41996b	(16120624)	472000.38	
3751251.46	0.44866b	(16120624)			
472000.19	3751281.15	0.47613b	(16120624)	472001.95	
3751347.94	0.52638b	(16120624)			
472036.90	3751348.52	0.48844b	(16120624)	472063.07	
3751349.31	0.46914b	(16120624)			
472084.56	3751348.33	0.44900b	(16120624)	472104.87	
3751348.72	0.42953b	(16120624)			

472127.33	3751348.52	0.40594b	(16120624)	472150.76
3751349.70	0.37443b	(16120624)		
472171.47	3751349.50	0.35843b	(16120624)	472194.12
3751349.11	0.34007b	(16120624)		
472222.63	3751348.72	0.31812b	(16120624)	472247.83
3751349.50	0.29903b	(16120624)		
472269.70	3751349.11	0.28202b	(16120624)	472290.40
3751350.28	0.27453b	(16120624)		
472313.64	3751350.48	0.26670b	(16120624)	472333.76
3751351.26	0.25994b	(16120624)		
472354.85	3751351.26	0.24642b	(16120624)	472377.70
3751351.06	0.23679b	(16120624)		
472401.72	3751351.06	0.22747b	(16120624)	472425.55
3751351.84	0.21879b	(16120624)		
472445.67	3751350.67	0.21289b	(16120624)	472463.24
3751350.87	0.20710b	(16120624)		
472484.14	3751350.87	0.20075b	(16120624)	472503.87
3751351.26	0.19561b	(16120624)		
472523.79	3751351.26	0.19111b	(16120624)	472543.32
3751351.26	0.18698b	(16120624)		
472563.24	3751352.24	0.18273b	(16120624)	472582.57
3751352.04	0.17862b	(16120624)		
472601.32	3751352.04	0.17472b	(16120624)	472606.79
3751367.27	0.17459b	(16120624)		
472607.57	3751396.37	0.17708b	(16120624)	472608.55
3751432.11	0.18049b	(16120624)		
472608.94	3751462.58	0.18276b	(16120624)	472609.52
3751497.15	0.18581b	(16120624)		
472610.70	3751553.78	0.19012b	(16120624)	472665.97
3751553.98	0.17527b	(16120624)		
472690.38	3751553.59	0.16931b	(16120624)	472713.50
3751554.27	0.16444b	(16120624)		
472734.64	3751554.04	0.15978b	(16120624)	472759.46
3751554.04	0.15446b	(16120624)		
472781.75	3751554.50	0.15020	(16051524)	472849.76
3751556.11	0.14241	(16051524)		
472871.82	3751556.11	0.13968	(16051524)	472895.25
3751555.65	0.13674	(16051524)		
472922.60	3751555.88	0.13366	(16051524)	473092.41
3751802.31	0.13161	(12050124)		
473204.80	3751856.81	0.12234	(12050124)	472991.21
3752083.31	0.13729	(12050124)		
473295.12	3752052.49	0.11095	(12050124)	473356.76
3752050.34	0.10630	(12050124)		
473495.10	3751996.58	0.09999	(12050124)	473486.50
3751917.74	0.10217	(12050124)		
473392.60	3752058.22	0.10337	(12050124)	473464.28
3752082.59	0.09750	(12050124)		
473550.29	3752087.61	0.09199	(12050124)	473584.69
3752089.76	0.09013	(12050124)		
472765.59	3752474.09	0.13220	(12120224)	470432.16
3750483.93	0.15937	(12122924)		
469244.06	3754182.82	0.02984	(15030124)	469596.75
3750785.65	0.10534	(13121524)		
470466.55	3750530.27	0.18156	(12122924)	469319.29
3749244.53	0.03957	(13010424)		
469229.64	3749502.19	0.04822	(13010424)	468465.38
3749582.33	0.04341	(12010424)		
471438.37	3750129.76	0.15210	(15022224)	471657.54
3749918.78	0.10872	(15022224)		
471732.91	3749916.52	0.10067	(15022224)	471710.30
3750132.80	0.12503	(15022224)		
471273.89	3750119.77	0.14106	(15022224)	470973.43
3752300.84	0.61386	(13121924)		
470973.95	3752278.41	0.62904	(13121924)	470973.95
3752235.65	0.65355	(13121924)		

470971.86 3752174.63 0.65875 (13121924) 470967.17
 3752139.16 0.66058 (13121924)
 470962.47 3752110.48 0.66454 (13121924) 470952.57
 3752077.10 0.66720 (13121924)

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR
 SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
 VOL3 , VOL4 , VOL5 ,
 VOL6 , VOL7 , VOL8 , VOL9 , VOL10 ,
 VOL11 , VOL12 , VOL13 ,
 VOL14 , VOL15 , VOL16 , VOL17 , VOL18 ,
 VOL19 , VOL20 , VOL21 ,
 VOL22 , VOL23 , VOL24 , VOL25 , VOL26 ,
 VOL27 , VOL28 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

** CONC OF PM_2.5 IN
 MICROGRAMS/M**3 **

X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD
470935.35	3752029.11	0.64211	(13121924)	470922.32	
3751998.86	0.61859	(13121924)			
470910.32	3751966.53	0.62959	(13121924)	470891.54	
3751915.42	0.66197	(13121924)			
470880.59	3751877.86	0.67925	(13121924)	470874.85	
3751848.14	0.69457m	(13010324)			
470871.72	3751810.58	0.72864m	(13010324)	470871.20	
3751779.29	0.69719m	(13010324)			
470872.25	3751740.70	0.64617m	(13010324)	470876.42	
3751710.45	0.62825m	(13010324)			
470884.76	3751671.85	0.64583m	(13010324)	470900.41	
3751616.57	0.70336m	(13010324)			
470911.88	3751582.67	0.71188m	(13010324)	470919.71	
3751556.07	0.69613m	(13010324)			
470931.18	3751524.25	0.68561m	(13010324)	470940.05	
3751496.61	0.68357m	(13010324)			
470951.52	3751461.14	0.67538m	(13010324)	470961.95	
3751424.64	0.63907m	(13010324)			

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*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_2.5 IN
 MICROGRAMS/M**3 **

DATE

GROUP ID ZELEV, ZHILL, ZFLAG)	OF TYPE	AVERAGE CONC GRID-ID	(YYMMDDHH)	RECEPTOR	NETWORK (XR, YR,
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ALL HIGH 1ST HIGH VALUE IS 0.72864m ON 13010324: AT (470871.72, 3751810.58,
517.08, 517.08, 2.00) DC

*** RECEPTOR TYPES: GC = GRIDCART
GP = GRIDPOLR
DC = DISCCART
DP = DISCPOLR

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*** MODELOPTs: RegDEFAULT CONC ELEV FLGPOL 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 146 MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used 0.50
ME W187 146 MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

*** AERMOD Finishes Successfully ***

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