Stoneridge Commerce Center Specific Plan

AIR QUALITY IMPACT ANALYSIS

COUNTY OF RIVERSIDE

PREPARED BY:

Haseeb Qureshi
hqureshi@urbanxroads.com

Michael Tirohn
mtirohn@urbanxroads.com

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LIST OF ABBREVIATED TERMS

%	Percent
°F	Degrees Fahrenheit
(1)	Reference
µg/m^3	Microgram per Cubic Meter
1992 CO Plan	*1992 Federal Attainment Plan for Carbon Monoxide*
1993 CEQA Handbook	*SCAQMD's CEQA Air Quality Handbook (1993)*
2016-2040 RTP/SCS	*2016-2040 Regional Transportation Plan/Sustainable Communities Strategy*
AB 2595	California Clean Air Act
AERMOD	American Meteorological Society/Environmental Protection Agency Regulatory Model
AQIA	Air Quality Impact Analysis
AQMP	Air Quality Management Plan
BACT	Best Available Control Technology
BC	Black Carbon
BNAP	Banning
Brief	*Brief of Amicus Curiae by the SCAQMD in the Friant Ranch Case*
C_2Cl_4	Perchloroethylene
C_4H_6	1,3-butadiene
C_6H_6	Benzene
C_2H_3Cl	Vinyl Chloride
C_2H_4O	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
CEQA Guidelines	*2019 CEQA Statute and Guidelines*
CH_2O	Formaldehyde

CO	Carbon Monoxide
COH	Coefficient of Haze
COHb	Carboxyhemoglobin
County	County of Riverside
Cr(VI)	Chromium
CTP	Clean Truck Program
DPM	Diesel Particulate Matter
DRRP	Diesel Risk Reduction Plan
EC	Elemental Carbon
EIR	Environmental Impact Report
EMFAC	Emissions FACtor Model
EPA	Environmental Protection Agency
ETW	Equivalent Test Weight
EV	Electric Vehicle
Final EIR	Renaissance Specific Plan Final Environmental Impact Report
g/L	Grams per Liter
GHG	Greenhouse Gas
GVWR	Gross Vehicle Weight Rating
H_2S	Hydrogen Sulfide
HDT	Heavy-Duty Trucks
HHDT	Heavy-Heavy-Duty Trucks
HI	Hazard Index
hp	Horsepower
HPLV	High-Pressure-Low-Volume
ISR	Indirect Source Review
lbs	Pounds
lbs/day	Pounds Per Day
LDA	Light Duty Auto
LDT1/LDT2	Light-Duty Trucks
LED	Light-Emitting Diode
LHDT1/LHDT2	Light-Heavy-Duty Trucks
LST	Localized Significance Threshold
LST Methodology	*Final Localized Significance Threshold Methodology*
MATES	Multiple Air Toxics Exposure Study
MCY	Motorcycles
MDV	Medium-Duty Vehicles
MHDT	Medium-Heavy-Duty Trucks

MICR	Maximum Individual Cancer Risk
MM	Mitigation Measures
mph	Miles Per Hour
MWELO	California Department of Water Resources' Model Water Efficient
N_2	Nitrogen
N_2O	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
ODC	Ozone Depleting Compounds
Pb	Lead
PM	Particulate Matter
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	Stoneridge Commerce Center Specific Plan
RECLAIM	Regional Clean Air Incentives Market
RFG-2	Reformulated Gasoline Regulation
RIVTAM	Riverside County Transportation Analysis Model
ROG	Reactive Organic Gases
SB	Senate Bill
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
sf	Square Feet
SHGC	Solar Heat Gain Coefficient
SIPs	State Implementation Plans
SO_2	Sulfur Dioxide
SO_4	Sulfates
SO_X	Sulfur Oxides

SOI	Sphere of Influence
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TDM	Transportation Demand Management
Title 24	California Building Code
TITLE I	Non-Attainment Provisions
TITLE II	Mobile Sources Provisions
TRUs	Transportation Refrigeration Units
UFP	Ultrafine Particles
URBEMIS	URBan EMISsions
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds
vph	Vehicles Per Hour
WAIRE Points	Warehouse Actions and Investments to Reduce Emissions Points
WPCO	Warehouse Points Compliance Obligation

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EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The results of this *Stoneridge Commerce Center Specific Plan 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 *CEQA Guidelines* (*CEQA Guidelines*) (1). Table ES-1 shows the findings of significance for each potential air quality impact under CEQA before and after any required mitigation measures (MM) described below.

TABLE ES-1: SUMMARY OF CEQA SIGNIFICANCE FINDINGS

Analysis	Report Section	Significance Findings	
		Unmitigated	Mitigated
Regional Construction Emissions	3.4	*Less Than Significant*	*n/a*
Localized Construction Emissions	3.6	*Less Than Significant*	*n/a*
Regional Operational Emissions	3.5	*Potentially Significant*	*Significant and Unavoidable*
Localized Operational Emissions	3.6	*Less Than Significant*	*n/a*
CO "Hot Spot" Analysis	3.7	*Less Than Significant*	*n/a*
Air Quality Management Plan	3.8	*Potentially Significant*	*Significant and Unavoidable*
Sensitive Receptors	3.9	*Less Than Significant*	*n/a*
Odors	3.10	*Less Than Significant*	*n/a*
Cumulative Impacts	3.11	*Potentially Significant*	*Significant and Unavoidable*

ES.2 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.

Any operation or activity that might cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution, which can cause damage to human health, vegetation, or

other forms of property, or can cause excessive soiling on any other parcel shall conform to the requirements of the South Coast Air Quality Management District (SCAQMD).

SCAQMD Rules that are currently applicable to this Project are described below.

SCAQMD RULE 402

A person shall not discharge from any source whatsoever such quantities of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public, or that endanger the comfort, repose, health, or safety of any such persons or the public, or that cause, or have a natural tendency to cause, injury or damage to business or property. The provisions of this rule do not apply to odors emanating from agricultural operations necessary for the growing of crops or the raising of fowl or animals.

Odor Emissions. All uses shall be operated in a manner such that no offensive odor is perceptible at or beyond the property line of that use.

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.

Dust Control, Operations. Any operation or activity that might cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution, which can cause damage to human health, vegetation, or other forms of property, or can cause excessive soiling on any other parcel, shall conform to the requirements of the SCAQMD.

SCAQMD RULE 1113

This rule serves to limit the 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.

SCAQMD RULE 1301

This rule is intended to provide that pre-construction review requirements to ensure that new or relocated facilities do not interfere with progress in attainment of the National Ambient Air Quality Standards (NAAQS), while future economic growth within the SCAQMD is not unnecessarily restricted. The specific air quality goal is to achieve no net increases from new or modified permitted sources of nonattainment air contaminants or their precursors. Rule 1301 also limits emission increases of ammonia, and Ozone Depleting Compounds (ODCs) from new, modified or relocated facilities by requiring the use of Best Available Control Technology (BACT).

SCAQMD RULE 1401

A person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any 1 hour that is as dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States (U.S.) Bureau of Mines.

SCAQMD RULE 2305

The SCAQMD adopted Rule 2305, the Warehouse Indirect Source Rule, on May 7, 2021. Owners and operators associated with warehouses 100,000 square feet (sf) or larger are required to directly reduce nitrogen oxides (NO_X) and particulate matter emissions, or to otherwise facilitate emission and exposure reductions of these pollutants in nearby communities. The rule imposes a "Warehouse Points Compliance Obligation" (WPCO) on warehouse operators. Operators satisfy the WPCO by accumulating "Warehouse Actions and Investments to Reduce Emissions Points" (WAIRE Points) in a given 12-month period. WAIRE Points are awarded by implementing measures to reduce emissions listed on the WAIRE Menu, or by implementing a custom WAIRE Plan approved by the SCAQMD.

Although the Project would comply with Rule 2305, it should be noted that there is no way to quantify these reductions in the California Emissions Estimator Model (CalEEMod). The two most pertinent regulatory requirements that could be modeled, are Rule 403 (Fugitive Dust) (2) and Rule 1113 (Architectural Coatings) (3). Credit for Rule 403 and Rule 1113 have been taken in the analysis.

ES.3 PROJECT MITIGATION MEASURES

ES.3.1 CONSTRUCTION-SOURCE MMS

Unmitigated Project construction-source emissions would not exceed SCAQMD regional thresholds, thus implementation of construction mitigation measures is not required. However, in order to ensure the provisions of the County of Riverside Board of Supervisors Good Neighbor Policy for Logistics and Warehouse/Distribution Uses is implemented at the project level, the following measure is recommended for Project construction:

MM AQ-1All diesel-fueled off-road construction equipment shall be equipped with CARB Tier 4 compliant engines.

ES.3.2 OPERATIONAL-SOURCE MMS

Unmitigated Project operational-source VOC, NOx, and CO emissions would exceed applicable SCAQMD regional significance thresholds. The predominance of the Project's operational-source emissions (approximately 41% of VOC emissions, 83% of NOX emissions, and 61% of CO emissions by weight) are generated by passenger cars and trucks accessing the Project. Further, approximately 43% of VOC emissions result from the use of consumer products, such as cleaning supplies used by tenants and employees. Neither the Project Applicant nor the County have regulatory authority to control tailpipe or consumer product emissions, and no feasible MMs beyond the measures identified herein exist that would reduce Project operational-source VOC,

NO_X and CO emissions to levels that are less-than-significant. Project operational-source VOC, NO_X, and CO emissions impacts are therefore considered significant and unavoidable.

The following measures (MM AQ-1 through MM AQ-6) are designed to reduce Project operational-source VOCs, NO_X, and CO emissions. There is no way to meaningfully quantify these reductions in CalEEMod, and therefore no numeric emissions credit has been taken in the analysis. As such, even with application of MM AQ-1 through MM AQ-6, Project operational-source emissions impacts are considered significant and unavoidable.

MM AQ-2

All future cold storage warehousing shall be equipped with electrical hookups to eliminate idling of main and auxiliary engines during the loading and unloading process and provide for transport refrigeration units, auxiliary power units and other trucks requiring electrical power.

MM AQ-3

To facilitate the possible future installation of infrastructure that would charge the batteries that power the motors of electric-powered trucks, the following shall be installed. 1) At shell building permit, an electrical room(s) and/or exterior area(s) of the site shall be designated where future electrical panels would be located for the purpose of supplying power to on-site charging facilities for electric powered trucks. Conduit shall be installed from this designated area where the panel would be located to the onsite location where the charging facilities would be located and where electric-powered trucks would park and connect to charging facilities to charge the batteries that power the motors of the electric-powered trucks. 2) At issuance of a building permit for Tenant Improvements, if the tenant is served by electric trucks, the electrical panel and charging units shall be installed, and the electrical wiring connections shall be made from the electrical panel to the charging units. If the tenant is not served by electric trucks, this requirement shall not apply.

MM AQ-4

Install passenger car EV charging stations and designated carpool parking stalls per the provisions of the California Green Building Standards Code and require that each building be constructed with an adequately sized electrical panel(s) and conduit to accommodate future EV charging stations at a minimum of 5 percent of the passenger car parking spaces.

MM AQ-5

ON-SITE EQUIPMENT, SUCH AS FORKLIFTS, SHALL BE ELECTRIC WITH THE NECESSARY ELECTRICAL CHARGING STATIONS PROVIDED.MM AQ-6

In order to promote alternative fuels, and help support “clean” truck fleets, the developer/successor-in-interest shall provide building occupants with information related to SCAQMD’s Carl Moyer Program, or other such programs that promote truck retrofits or “clean” vehicles and information including, but not limited to, the health effect of diesel particulates, benefits of reduced idling time, CARB regulations, and

importance of not parking in residential areas. Tenants shall be notified about the availability of: 1) alternatively fueled cargo handling equipment; 2) grant programs for diesel-fueled vehicle engine retrofit and/or replacement; 3) designated truck parking locations in the project vicinity;

4) access to alternative fueling stations proximate to the site that supply compressed natural gas; and 5) the United States Environmental Protection Agency's SmartWay program.

MM AQ-7

All future operations in the Specific Plan shall adhere to the germane policy provisions in the County of Riverside Board of Supervisors Good Neighbor Policy for Logistics and Warehouse/Distribution Uses. In addition, buildings smaller than 250,000 square feet shall comply with applicable policy provisions of the Good Neighbor Policy except as indicated below. Applicable feasible provisions of the Good Neighbor Policy that would serve to measurably reduce Project-related operational emissions include, but are not limited to, the following:

1. Warehouse/distribution facilities greater than 250,000 square feet shall be designed to provide adequate on-site parking for commercial trucks and passenger vehicles and on-site queuing for trucks that is away from sensitive receptors. The general queuing and spill-over of trucks onto surrounding public streets shall be prevented. Commercial trucks shall not be parked in the public road right-of-way or nearby residential areas.

2. Facility operators shall maintain records of their fleet equipment and ensure that all diesel-fueled Medium-Heavy Duty Trucks ("MHDT") and Heavy-Heavy Duty Trucks ("HHD") accessing the site use year CARB 2010 or newer engines. The records should be maintained on-site and be made available for inspection by the County.

3. Legible, durable, weather-proof signs shall be placed at truck access gates, loading docks, and truck parking areas that identify applicable California Air Resources Board (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 five minutes; and 3) telephone numbers of the building facilities manager and CARB to report violations.

4. Facility operators shall train their managers and employees on efficient scheduling and load management to eliminate unnecessary queuing and idling of trucks.

5. Signs should be posted in the appropriate locations and/or handouts should be provided that show the locations of nearest food options, fueling, truck maintenance services, and other similar convenience services.

6. Each Facility shall designate a Compliance Officer responsible for implementing the measures described herein and/or in the project conditions of approval and mitigation measures. Contact information shall be provided to the County and updated annually, and signs shall be posted in visible locations providing the contact information for the Compliance Officer to the surrounding community.

7. The future applicants for any new facility larger than 250,000 square feet in the Specific Plan will be required to enter into agreement with the County of Riverside to provide a supplemental funding contribution, which would be applied to further offset potential air quality impacts to the community and provide a community benefit. Said financial contribution will be determined by the Transportation and Land Management Agency based on the level of NOx emissions estimated to generated. Said supplemental funding contribution will be collected on a one-time basis. Funds collected under said supplemental funding program will be subject to designation for use by the Board of Supervisors and will generally be used for projects that directly benefit the impacted community wherein the project is located. The types of projects that the Board of Supervisors may designate for use of these funds include, but are not limited to (1) projects that directly offset

NOx reductions above and beyond what is required by existing air quality regulations, (2) projects that generally improve air quality such as paving of dirt roads, installation of additional trees and landscaping, (3) projects that provide an enhanced buffer between the new facility and sensitive receptors, and (4) Projects that lead to reduced emissions by promoting alternate forms of transportation such as bicycle lanes, new sidewalks, bus turnouts, or other transit-related uses.

8. Warehouse/distribution facilities should be generally designed so that truck bays and loading docks are a minimum of 300 feet, measured from the property line of the sensitive receptor to the nearest dock door using a direct straight-line method. This distance may be reduced if the site design includes berms or other similar features to appropriately shield and buffer the sensitive receptors from the active truck operations areas. Other setbacks appropriate to the site's zoning classification shall be incorporated in the design.

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1 INTRODUCTION

This report presents the results of the AQIA prepared by Urban Crossroads, Inc., for the proposed Stoneridge Commerce Center Specific Plan (Project). The purpose of this 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 Stoneridge Commerce Center Specific Plan development (Project) is located west of Lakeview Avenue, between Ramona Expressway and Nuevo Road in the County of Riverside as shown on Exhibit 1-A.

1.2 PROJECT DESCRIPTION

The Project is proposing to amend the Specific Plan with a mix of industrial and commercial uses, with an opening year of 2032. This analysis evaluates two scenarios, Without Mid-County Parkway (MCP) and With MCP, as described below:

Without MCP:

- 2,940,000 square feet of High-Cube Cold Storage Warehouse use (40% of the total Light Industrial square footage)
- 2,940,000 square feet of High-Cube Fulfillment Center Warehouse use (40% of the total Light Industrial square footage)
- 735,000 square feet of High-Cube Warehouse use (10% of the total Light Industrial square footage)
- 735,000 square feet of Manufacturing use (10% of the total Light Industrial square footage)
- 427,759 square feet of Warehousing use (40% of the total Business Park square footage)
- 641,639 square feet of Industrial Park use (60% of the total Business Park square footage)
- 121,968 square feet of Commercial Retail uses

With MCP:

- 2,940,000 square feet of High-Cube Cold Storage Warehouse use (40% of the total Light Industrial square footage)
- 2,940,000 square feet of High-Cube Fulfillment Center Warehouse use (40% of the total Light Industrial square footage)
- 735,000 square feet of High-Cube Warehouse use (10% of the total Light Industrial square footage)
- 735,000 square feet of Manufacturing use (10% of the total Light Industrial square footage)
- 374,616 square feet of Warehousing use (40% of the total Business Park square footage)
- 561,924 square feet of Industrial Park use (60% of the total Business Park square footage)

- 126,542 square feet of Commercial Retail uses

As summarized in the *Stoneridge Commerce Center Specific Plan Alternative Truck Route Traffic Analysis Scoping Agreement* prepared by Urban Crossroads, Inc., the Without MCP scenario is expected to generate a total of approximately 23,680 two-way trips per day which include 19,236 two-way passenger car trips per day and 4,444 two-way truck trips per day. Under the With MCP scenario, the Project is anticipated to generate a total of 23,474 two-way trips per day which include 19,108 two-way passenger vehicle trips per day and 4,366 two-way truck trips per day (4). A Preliminary land use plan is shown on Exhibit 1-B (without MCP) and Exhibit 1-C (with MCP).

EXHIBIT 1-A: LOCATION MAP

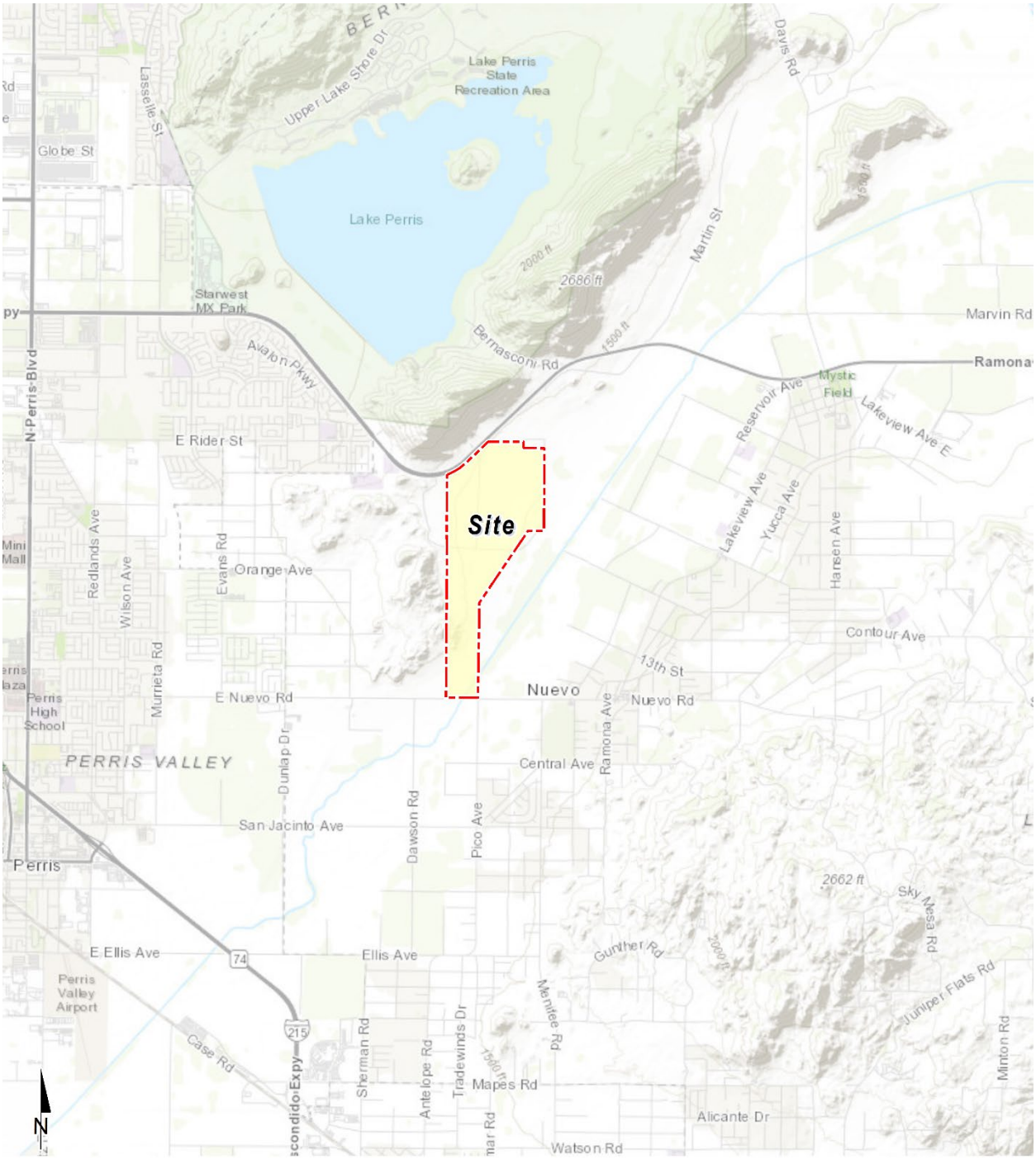


EXHIBIT 1-B: LAND USE PLAN WITHOUT MID-COUNTY PARKWAY

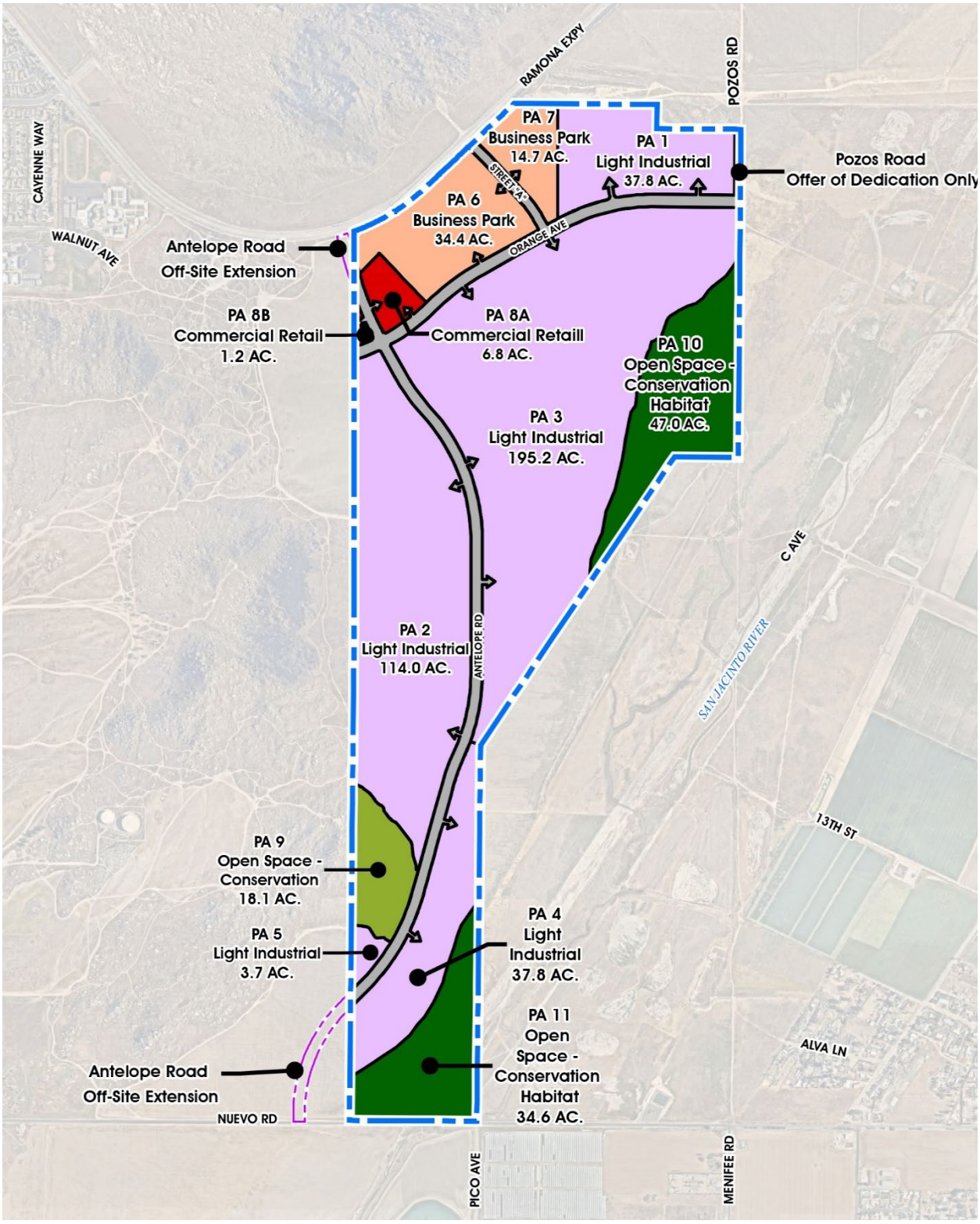
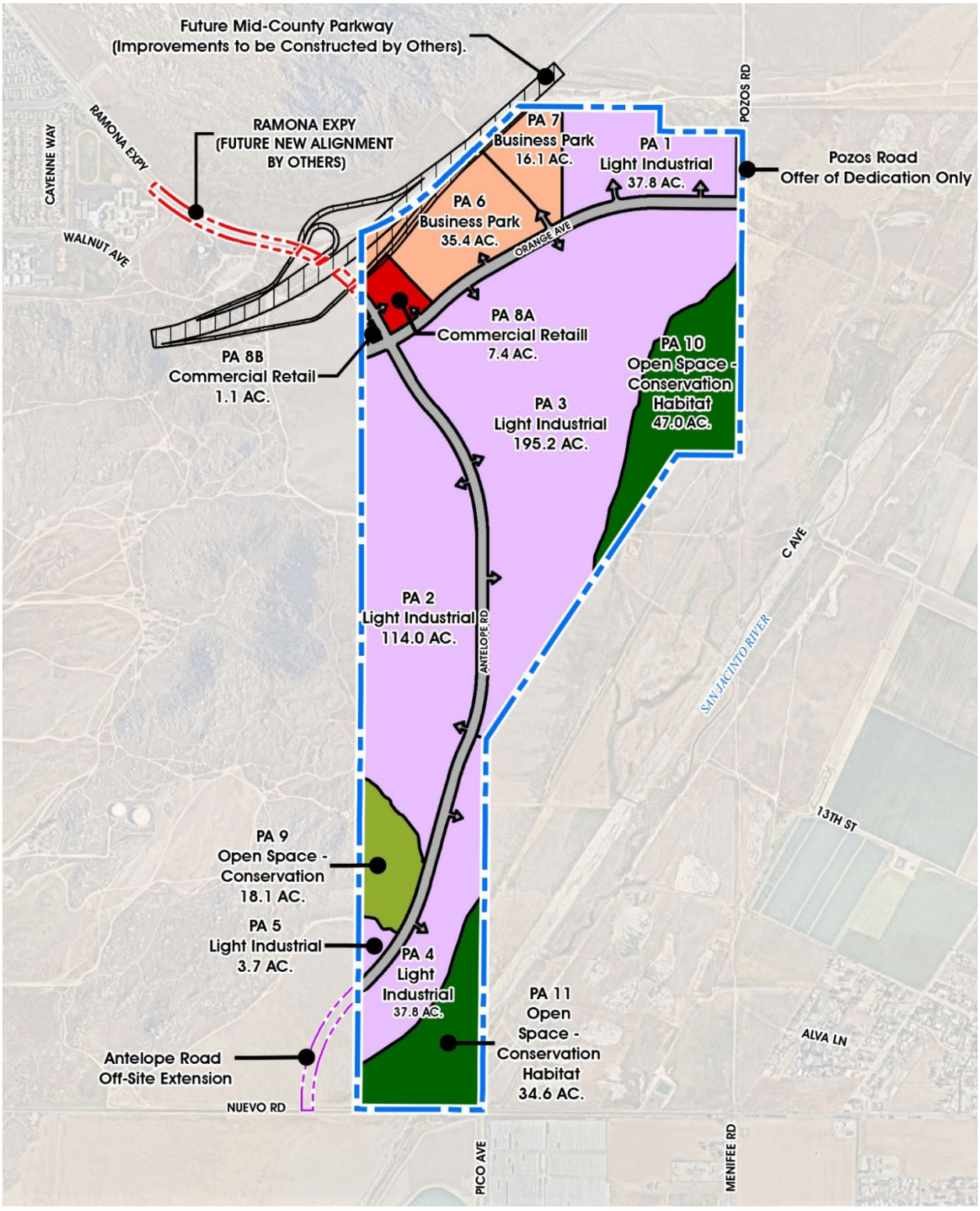


EXHIBIT 1-C: LAND USE PLAN WITH MID-COUNTY PARKWAY



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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 (SO_2) to sulfates (SO_4) 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% 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
	mainly as a result of burning high sulfur-content fuel oils and coal and from chemical processes occurring at chemical plants and refineries. When SO_2 oxidizes in the atmosphere, it forms SO_4. Collectively, these pollutants are referred to as sulfur oxides (SO_X).	refineries, diesel engines	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 SO_2. In contrast, healthy individuals do not exhibit similar acute responses even after exposure to higher concentrations of SO_2. Animal studies suggest that despite SO_2 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. Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient SO_2 levels. In these studies, efforts to separate the effects of SO_2 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.
NO_X	NO_X consist of nitric oxide (NO), nitrogen dioxide (NO_2) and nitrous oxide (N_2O) and are formed when nitrogen (N_2) combines with O_2. Their lifespan in the atmosphere ranges from	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming	Population-based studies suggest that an increase in acute respiratory illness, including infections and respiratory symptoms in children (not infants), is

Criteria Pollutant	Description	Sources	Health Effects
	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. NO_2 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, NO_2 is the most abundant in the atmosphere. As ambient concentrations of NO_2 are related to traffic density, commuters in heavy traffic may be exposed to higher concentrations of NO_2 than those indicated by regional monitoring station.	equipment and residential heating.	associated with long-term exposure to NO_2 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 NO_2 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. In animals, exposure to levels of NO_2 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 O_3 exposure increases when animals are exposed to a combination of O_3 and NO_2.
O_3	O_3 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. O_3 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.	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	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 O_3 effects. Short-term exposure (lasting for a few hours) to O_3 at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased

Criteria Pollutant	Description	Sources	Health Effects
		storage and pesticides.	susceptibility to infections, inflammation of the lung tissue, and some immunological changes. Elevated O_3 levels are associated with increased school absences. In recent years, a correlation between elevated ambient O_3 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 O_3 levels. O_3 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 O_3 may be more toxic than exposure to O_3 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.
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
	deposited, resulting in adverse health effects. Additionally, it should be noted that PM_{10} is considered a criteria air pollutant. $PM_{2.5}$: A similar air pollutant to PM_{10} 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 SO_4 formed from SO_2 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.	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).	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. 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. The elderly, people with pre-existing respiratory or cardiovascular disease, and children appear to be more susceptible to the effects of high levels of PM_{10} and $PM_{2.5}$.
VOC	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 O_3 to the same extent when exposed to photochemical processes. VOCs often have an odor, and some examples include gasoline, alcohol, and the	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	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.

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, natures, 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.

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 (8).

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 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 O_3, CO (except 8-hour Lake Tahoe), SO_2 (1 and 24 hour), NO_2, PM_{10}, 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 (9).

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 (PM10)[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 (PM2.5)[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 Flourescence; 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 …

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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 $\mu g/m^3$ 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 $\mu g/m^3$ to 12.0 $\mu g/m^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 $\mu g/m^3$, as was the annual secondary standard of 15 $\mu g/m^3$. The existing 24-hour PM10 standards (primary and secondary) of 150 $\mu g/m^3$ 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 $\mu g/m^3$ 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, O_3, particulate matter (PM_{10} and $PM_{2.5}$), NO_2, and SO_2 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 (10). 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 (11). 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	Unclassifiable/Attainment
SO_2	Attainment	Unclassifiable/Attainment
Pb[1]	Attainment	Unclassifiable/Attainment

Note: See Appendix 2.1 for a detailed map of State/National Area Designations within the SCAB
"-" = The national 1-hour O_3 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 about the air quality conditions. The Project site is located within the Perris Valley area (SRA 24). The Perris Valley monitoring station is located approximately 3.8 miles southwest of the Project site and reports air quality statistics for O_3 and PM_{10}. The Metropolitan Riverside County monitoring station which is located 18.7 miles northwest of the Project site in SRA 23, records air quality data for CO, NO_2, and $PM_{2.5}$. It should be noted that data from Metropolitan Riverside County monitoring station was utilized in lieu of the Perris Valley monitoring station only in instances where data was not available.

The most recent three (3) years of data available is 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 Development Site. Data for O_3, CO, NO_2, PM_{10}, and $PM_{2.5}$ for 2019 through 2021 was obtained from the SCAQMD Air Quality Data Tables (12).

[1] The Federal nonattainment designation for lead is only applicable towards the Los Angeles County portion of the SCAB.

Additionally, data for SO_2 has been omitted as attainment is regularly met in the SCAB and few monitoring stations measure SO_2 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)		0.118	0.125	0.117
Maximum Federal 8-Hour Concentration (ppm)		0.095	0.106	0.094
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	26	34	25
Number of Days Exceeding State/Federal 8-Hour Standard	> 0.070 ppm	64	74	60
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 Federal Standard Design Value		0.014	0.014	0.014
PM_{10}[A]				
Maximum Federal 24-Hour Concentration (µg/m^3)	> 150 µg/m^3	97	77	76
Annual Federal Arithmetic Mean (µg/m^3)		25.3	35.9	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	4	6	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

[A]For 2021, data for PM_{10} was not available for the Perris monitoring station. As a result, data from the Metropolitan Riverside County monitoring station was substituted.
ppm = Parts Per Million
µg/m^3 = Microgram per Cubic Meter
Source: Data for O_3, CO, NO_2, PM_{10}, and $PM_{2.5}$ was obtained from SCAQMD Air Quality Data Tables.

2.8 REGULATORY BACKGROUND

2.8.1 FEDERAL REGULATIONS

The EPA is responsible for setting and enforcing the NAAQS for O_3, CO, NO_X, SO_2, PM_{10}, and Pb (13). 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 (14). 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) (15) (16). Title I provisions were established with the goal of attaining the NAAQS for the following criteria pollutants O_3, NO_2, SO_2, PM_{10}, CO, $PM_{2.5}$, and Pb. The NAAQS were amended in July 1997 to include an additional standard for O_3 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.

2.8.2 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 SO_4, visibility, hydrogen sulfide (H_2S), and vinyl chloride (C_2H_3Cl). However, at this time, H_2S and C_2H_3Cl 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 (17) (13).

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 ROGs, NO_X, CO and PM_{10}. 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 that will be 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 (18). 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 (19):

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, uplight 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).

2.8.3 APPLICABLE SCAQMD RULES

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.

Dust Control, Operations. Any operation or activity that might cause the emission of any smoke, fly ash, dust, fumes, vapors, gases, or other forms of air pollution, which can cause damage to human health, vegetation, or other forms of property, or can cause excessive soiling on any other parcel, shall conform to the requirements of the SCAQMD.

SCAQMD RULE 1113

This rule serves to limit the VOC content of architectural coatings used on projects in the SCAQMD. This rule applies to any person who supplies, sells, offers for sale, or manufactures any architectural coating for use on projects.

SCAQMD RULE 2305

On May 8, 2021, South Coast AQMD adopted Warehouse Indirect Source Rule 2305, which includes the Warehouse Actions and Investments to Reduce Emissions Program (WAIRE), and Rule 316. Rule 2305 establishes for the first time a regulatory program designed to reduce air pollution (and indirect GHG emissions) from trucks that visit warehouses. Rule 316 establishes a fee system to support the Rule 2305 program on an ongoing basis. Rules 2305 and 316 apply to operators of existing and new warehouses with floor space greater than or equal to 100,000-sf within a single building (i.e., large warehouses). Rules 2305 and 316 require such operators to annually take actions with respect to their warehouses that either reduce emissions regionally and locally or facilitate emission reductions. Specifically, operators must "earn" a specific number of WAIRE Points. Warehouse owners are only required to submit a Warehouse Operations Notification to the SCAQMD.

The number of WAIRE Points required for a specific operator is based on the intensity of operations (i.e., number of truck trips and type of trucks) at each of their warehouses every year.

The required points are known as the WAIRE Points Compliance Obligation (WPCO). The WPCO is calculated based on a 12-month survey of truck trips entering or exiting the site, the truck data is weighted based on the types of trucks, and activity is projected for the next year. Thus, the WAIRE Points pay for the prior year's emissions based on points earned in subsequent years.

WAIRE Points are earned by implementing a menu of items including purchasing/renting/leasing near-zero (NZE) and zero emission (ZE) yard equipment, installing on-site ZE fueling stations, and proving on-site solar PV systems that are intended to offset or reduce warehouse emissions. Operators may also implement custom WAIRE plans for individual facilities, subject to SCAQMD approval; or pay mitigation fees to have the SCAQMD implement measures within the SCAB. Operators that over-comply may transfer excess WAIRE Points earned in one year to a subsequent year or may transfer WAIRE points to another site within their control. WAIRE Points cannot be transferred to other operators and expire after 3 years. Rule 2305 also requires reporting information about facility operations and recordkeeping. Rule 316 is the companion rule to Rule 2305 and establishes the administrative fees that Rule 2305 warehouse owners and operators must pay to support SCAQMD compliance activities.

While the Project proponent may be defined as a warehouse owner and would submit a Warehouse Operation Notice(s), as required, the Project proponent does not intend to be the warehouse operator and has no knowledge of the future operations. Thus, the specific information required by Rule 2305 for calculating the WPCO is unavailable, and the necessary number of points is unknown. Finally, The WAIRE points expire after 3 years and are based on actions of future operators and are thus temporary and cannot be relied upon for CEQA purposes. Therefore, even though the WAIRE program will reduce emissions warehouse activities in the region, no emission reductions from the WAIRE Program are accounted for in this analysis.

2.8.4 COUNTY OF RIVERSIDE GOOD NEIGHBOR POLICY

The County of Riverside adopted the Good Neighbor Policy for Logistics and Warehouse/Distribution Uses (Policy Number F-3) on November 19, 2019. (20) The goal of this policy is to provide a framework through which large-scale logistics and warehouse projects can be designed and operated in a way that lessens any impacts on surrounding communities and the environment.

2.8.5 AQMP

Currently, the NAAQS and CAAQS are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of AQMP to meet the state and federal ambient air quality standards (21). AQMPs are updated regularly to ensure an effective reduction in 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 3.10.

2.9 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

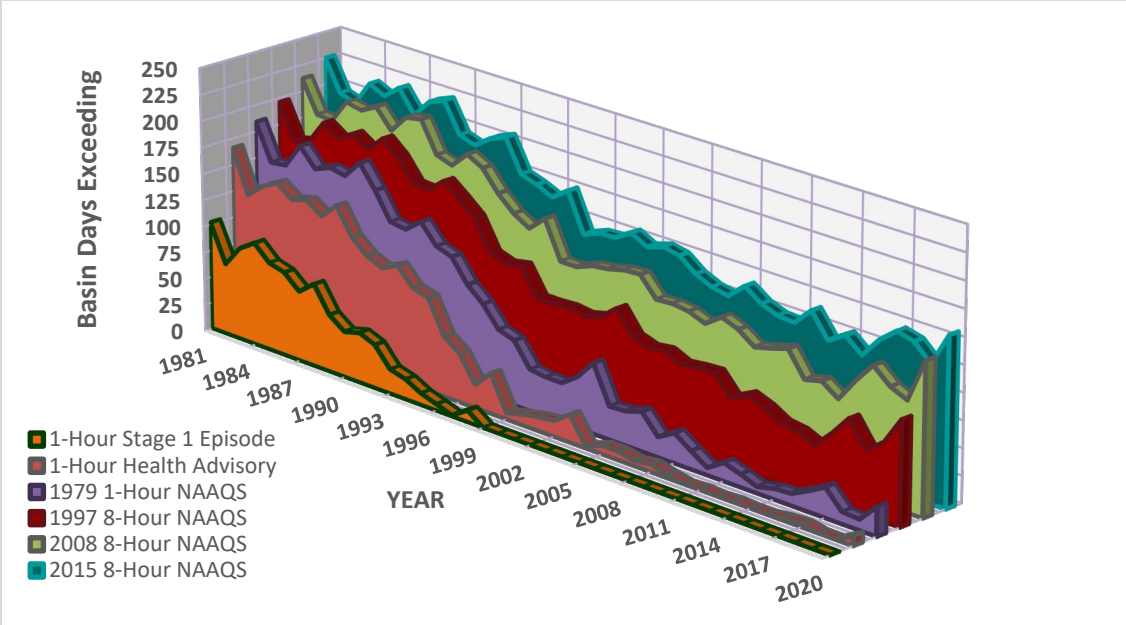
control districts in Los Angeles, Orange, Riverside, and San Bernardino counties. The geographic area of which SCAQMD consists of is known as the SCAB. SCAQMD develops comprehensive plans and regulatory programs for the region to attain federal standards by dates specified in federal law. The agency 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,” (22).

Emissions of O_3, NO_X, VOC, and CO have been decreasing in the SCAB since 1975 and are projected to continue to decrease through 2020 (23). 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. O_3 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, O_3 levels have increased in the past three years due to higher temperatures and stagnant weather conditions. Notwithstanding, O_3 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 (24).

TABLE 2-5: SCAB O_3 TREND

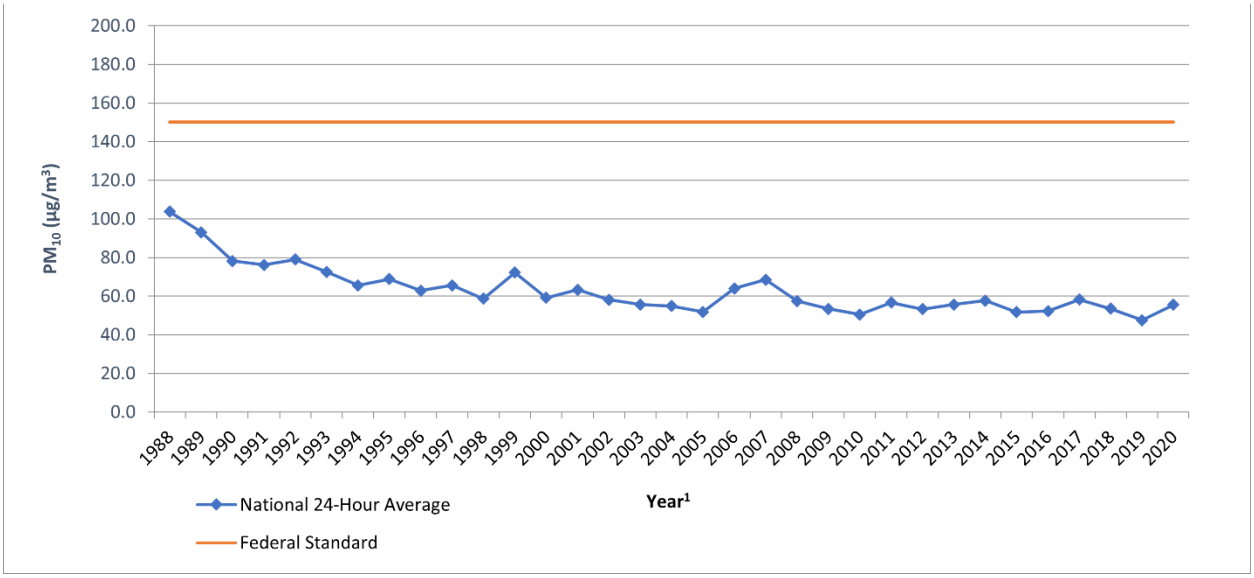


Source: 2020 SCAQMD, Historical O_3 Air Quality Trends (1976-2020)

The overall trends of PM_{10} and $PM_{2.5}$ levels in the air (not emissions) show an overall improvement since 1975. Direct emissions of PM_{10} 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.

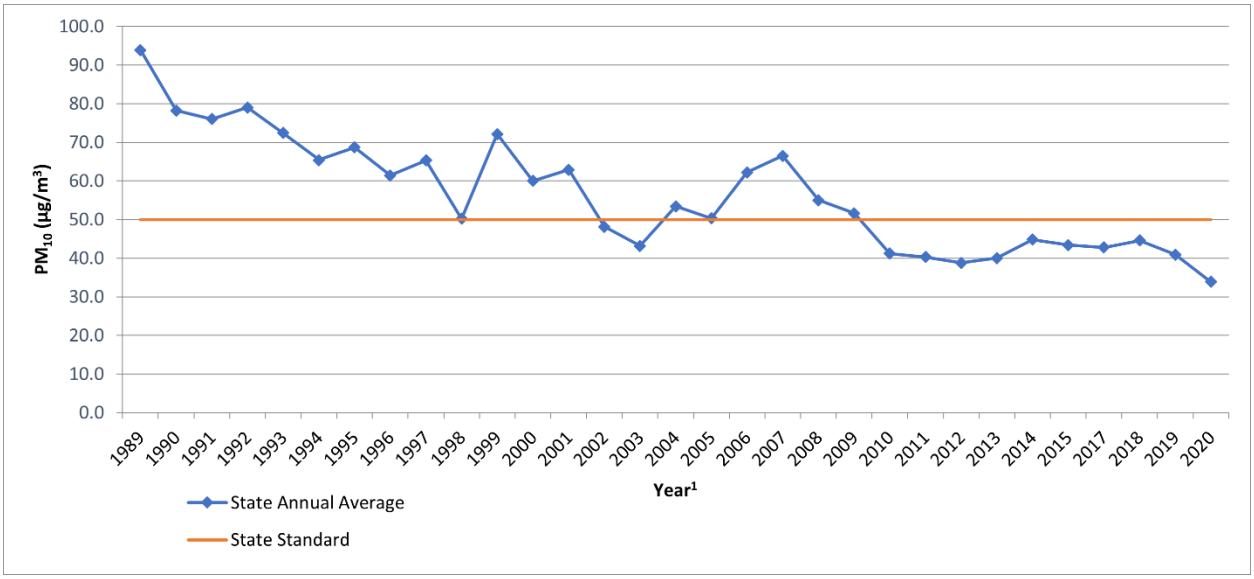
As with other pollutants, the most recent PM_{10} statistics show an overall improvement as illustrated in Tables 2-6 and 2-7. During the period for which data are available, the 24-hour national annual average concentration for PM_{10} decreased by approximately 46%, from 103.7 microgram per cubic meter (µg/m³) in 1988 to 55.5 µg/m³ in 2020 (25). 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 PM_{10}, have decreased by approximately 64%, from 93.9 µg/m³ in 1989 to 33.9 µg/m³ in 2020 (25). 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 PM_{10} standards has also shown an overall drop.

TABLE 2-6: SCAB AVERAGE 24-HOUR CONCENTRATION PM_{10} TREND (BASED ON FEDERAL STANDARD)[1]



Source: 2020 CARB, iADAM: Top Four Summary: PM_{10} 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.

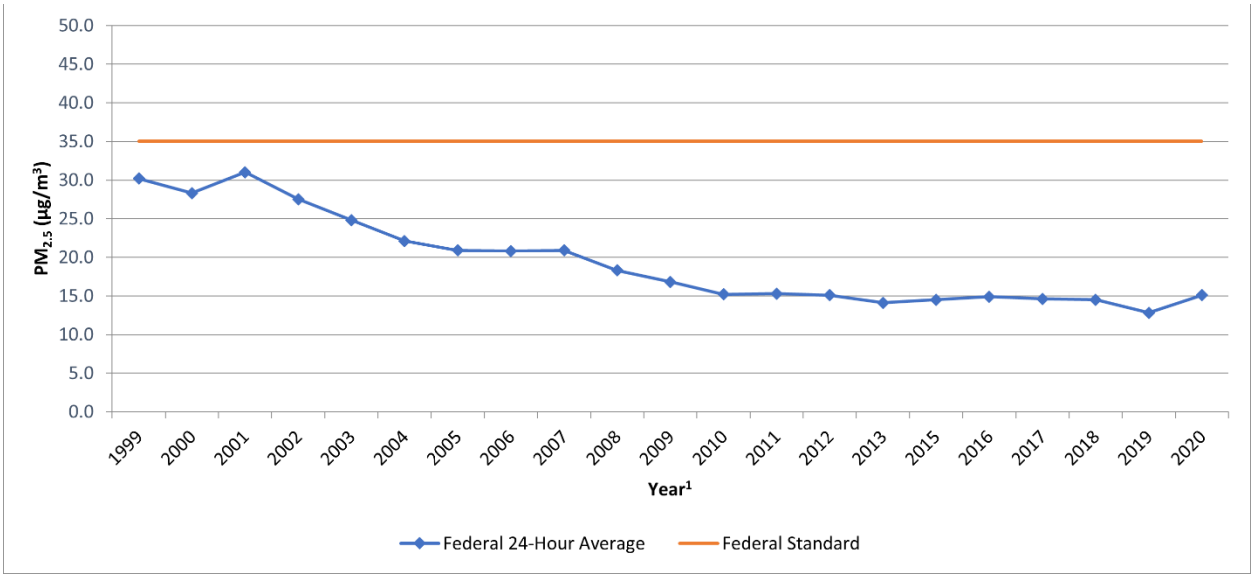
TABLE 2-7: SCAB ANNUAL AVERAGE CONCENTRATION PM_{10} TREND (BASED ON STATE STANDARD)[1]



Source: 2020 CARB, iADAM: Top Four Summary: PM_{10} 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.

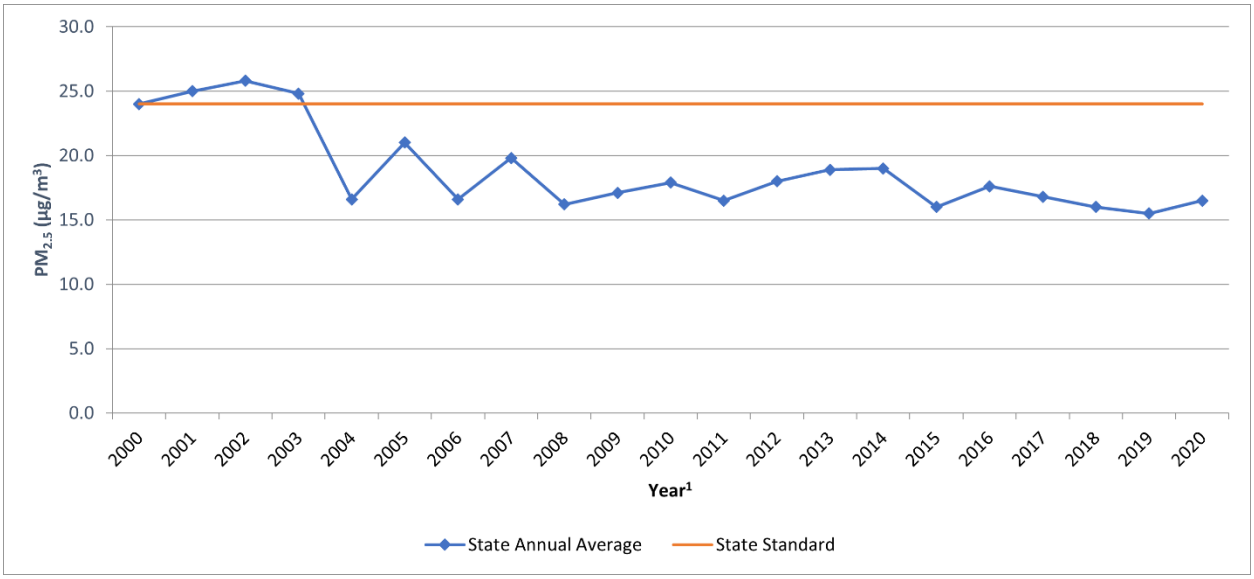
Tables 2-8 and 2-9 shows the most recent 24-hour average $PM_{2.5}$ concentrations in the SCAB from 1999 through 2020. Overall, the national and state annual average concentrations have decreased by almost 50% and 31% respectively (25). It should be noted that the SCAB is currently designated as nonattainment 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.

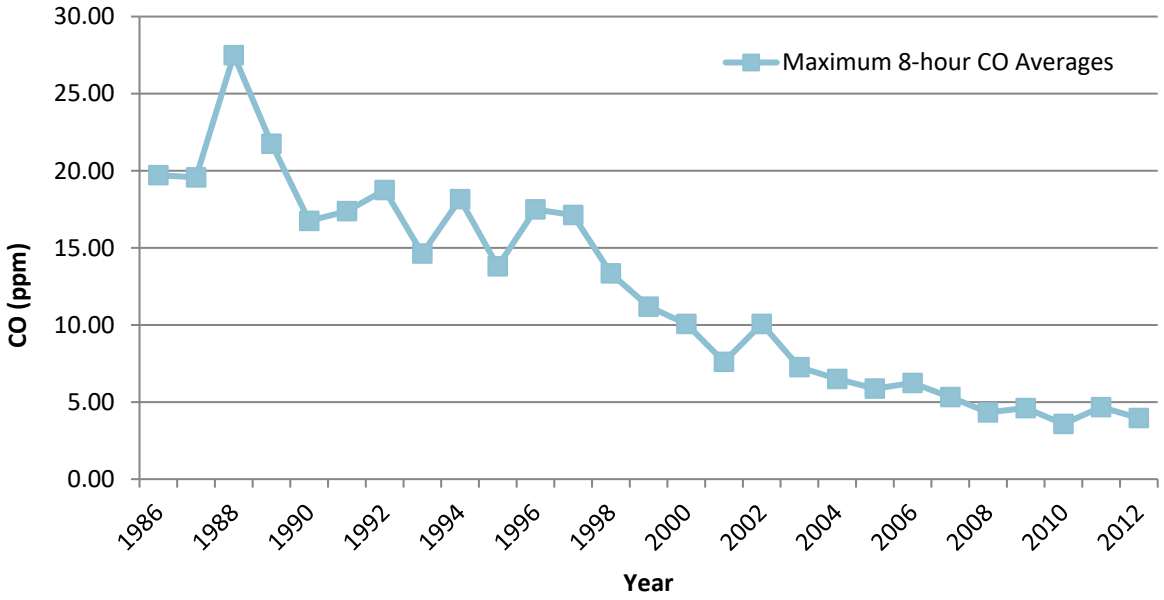
While the 2012 AQMP PM_{10} attainment demonstration and the 2015 associated supplemental SIP submission indicated that attainment of the 24-hour standard was predicted to occur by the end of 2015, it could not anticipate the effect of the ongoing drought on the measured $PM_{2.5}$.

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 (26).

In December 2022, the SCAQMD released the Final 2022 AQMP. The 2022 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 (27). Similar to the 2016 AQMP, the 2022 AQMP incorporates scientific and technological information and planning assumptions, including the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (2020-2045 RTP/SCS) and updated emission inventory methodologies for various source categories (28). The most recent CO concentrations in the SCAB are shown in Table 2-10 (25). 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 TREND[1]

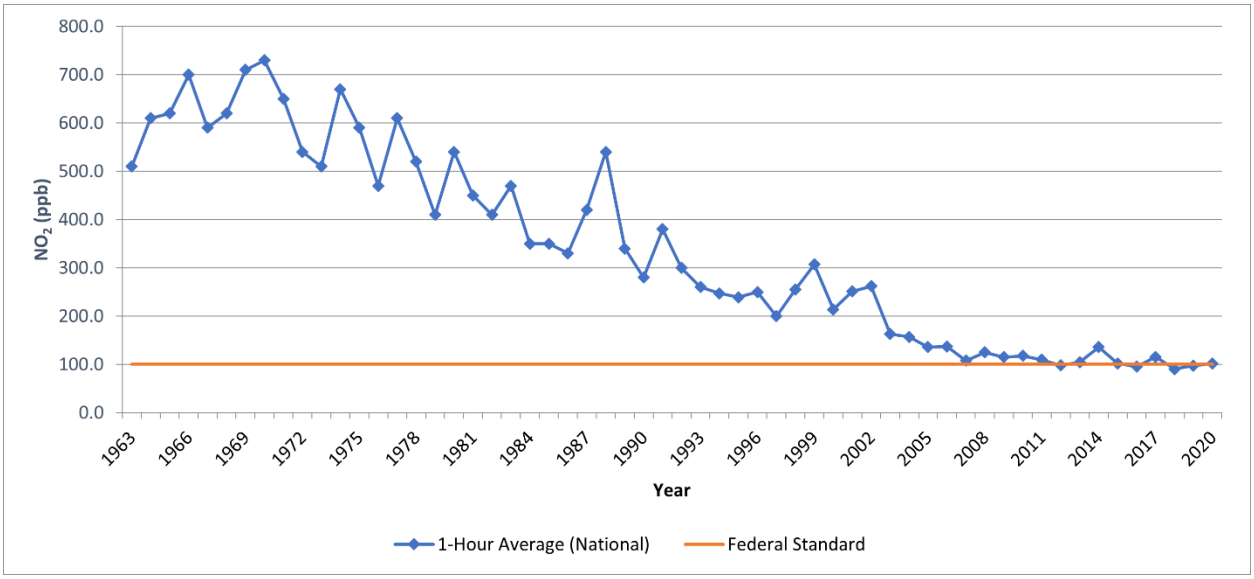


Source: 2020 CARB, iADAM: Top Four Summary: CO 8-Hour Averages (1986-2012)
[1] The most recent year where 8-hour concentration data is available is 2012.

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*) (29). 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.

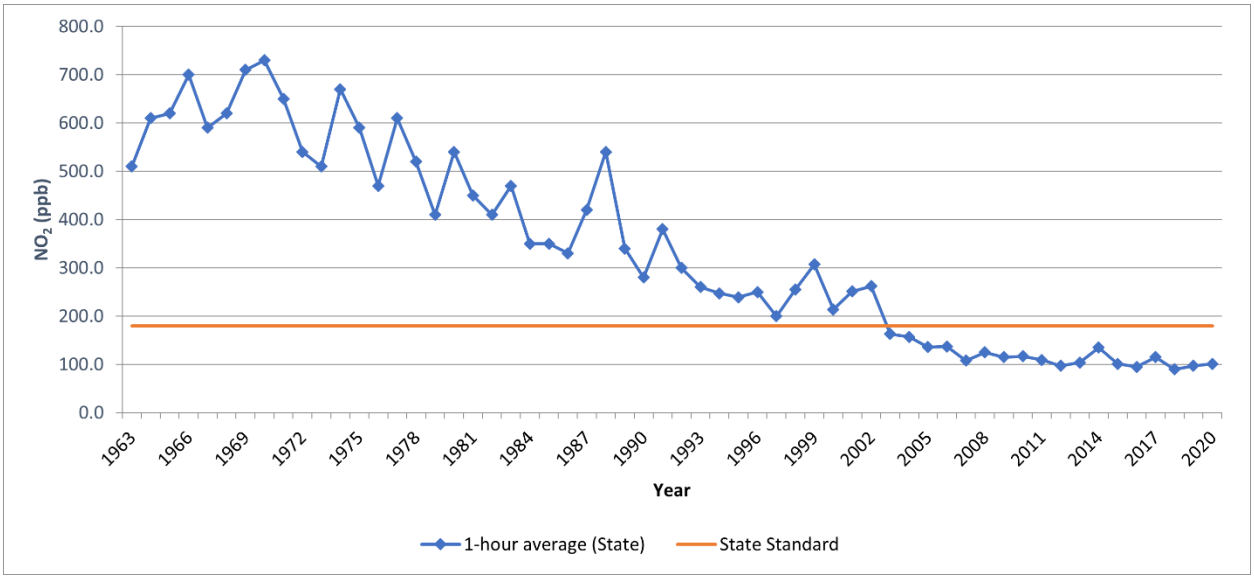
The most recent NO_2 data for the SCAB is shown in Tables 2-11 and 2-12 (25). Over the last 50 years, NO_2 values have decreased significantly; the peak 1-hour national and state averages for 2020 is approximately 80% lower than what it was during 1963. The SCAB attained the State 1-hour NO_2 standard 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 (30). The new standard is just barely exceeded in the SCAQMD. NO_2 is formed from NO_X emissions, which also contribute to O_3. As a result, the majority of the future emission control measures would be implemented as part of the overall O_3 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 NO_2 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 NO_2 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 (31) which was prepared for CARB, results show that between 1990-2012, ambient concentration and emission trends for

the seven TACs responsible for most of the known cancer risk associated with airborne exposure in California have declined significantly (between 1990 and 2012). The seven TACs studied include those that are derived from mobile sources: diesel particulate matter (DPM), benzene (C_6H_6), and 1,3-butadiene (C_4H_6); those that are derived from stationary sources: perchloroethylene (C_2Cl_4) and hexavalent chromium (Cr(VI)); and those derived from photochemical reactions of emitted VOCs: formaldehyde (CH_2O) and acetaldehyde (C_2H_4O)[2]. The decline in ambient concentration and emission trends of these TACs are a result of various regulations CARB has implemented to address cancer risk.

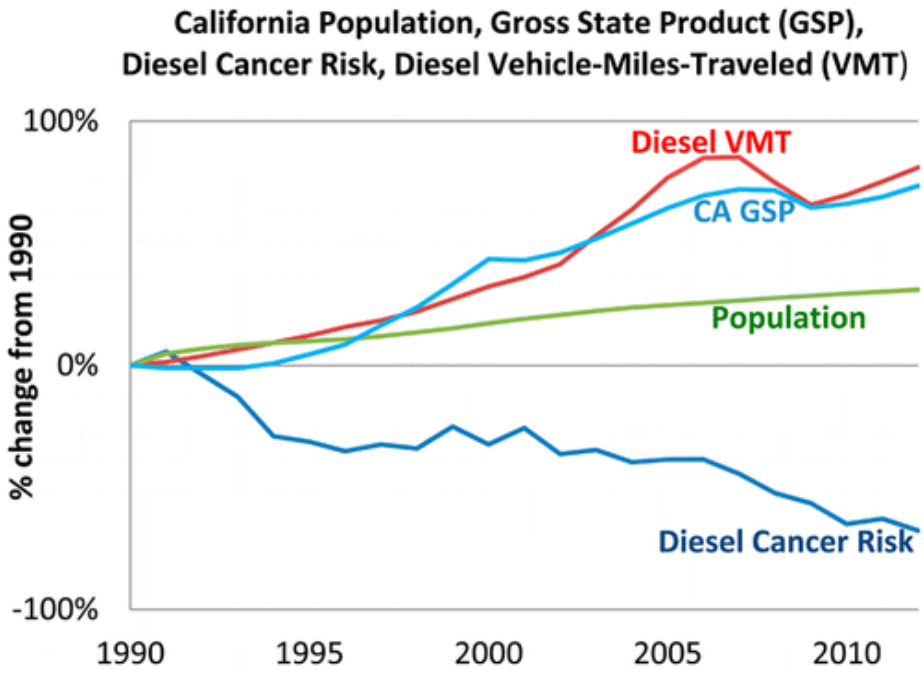
MOBILE SOURCE TACS

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 (31).

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

[2] 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



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 (32), CARB statewide On-road Truck and Bus Regulation (33), and the Ports of Los Angeles and Long Beach Clean Truck Program (CTP) require accelerated implementation of "clean trucks" into the statewide truck fleet (34). 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.

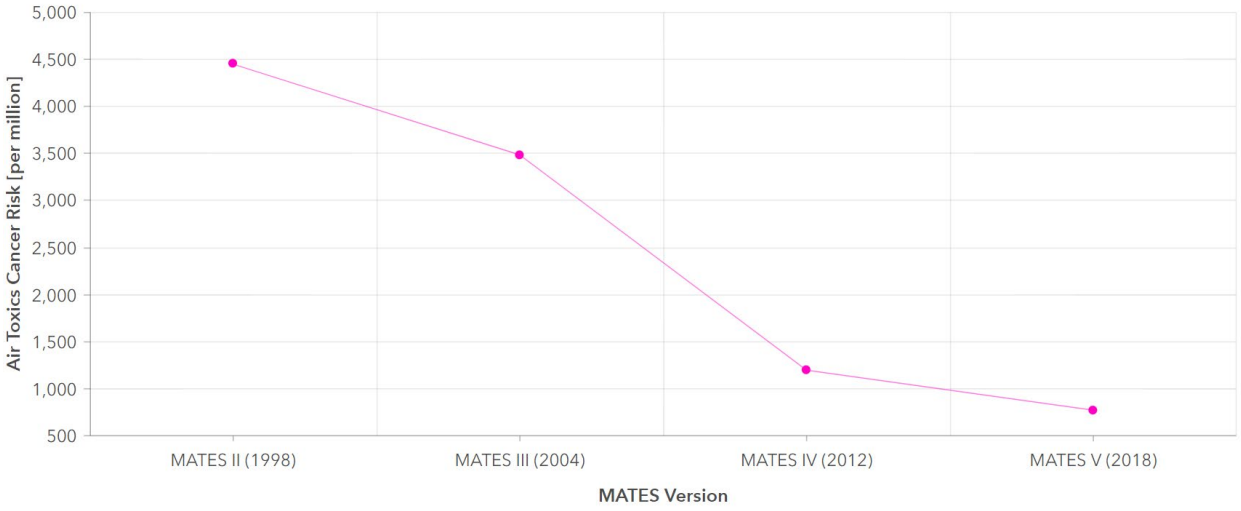
Diesel emissions identified in this analysis would therefore overstate future DPM emissions since not all the regulatory requirements are reflected in the modeling.

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 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 (35). The draft report for the MATES V study was published in late May and the comment submission deadline on June 7, 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 (36). Exhibit 2-B illustrates the MATES V Risk trends for the nearest available monitoring site to the Project, located in Rubidoux.

EXHIBIT 2-B: MATES V RISK MAP



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3 PROJECT AIR QUALITY IMPACT

3.1 INTRODUCTION

This study quantifies air quality emissions generated by construction and operation of the Project and addresses whether the Project conflicts with implementation of the SCAQMD's AQMP and Lead Agency planning regulations. The analysis of Project-generated air emissions determines whether the Project would result in a cumulatively considerable net increase of any criteria pollutant for which the SCAB is in non-attainment under an applicable NAAQS and CAAQS. Additionally, the Project has been evaluated to determine whether the Project would expose sensitive receptors to substantial pollutant concentrations and the impacts of odors. The significance of these potential impacts is described in the following sections.

3.2 STANDARDS OF SIGNIFICANCE

The criteria used to determine the significance of potential Project-related air quality impacts are taken from the *CEQA Guidelines* (14 CCR §§15000, et seq.). 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.

The SCAQMD has also developed regional significance thresholds for other regulated pollutants, as summarized at Table 3-1 (37). 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 3-1: MAXIMUM DAILY REGIONAL EMISSIONS THRESHOLDS

Pollutant	Regional Construction Threshold	Regional Operational 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	3 lbs/day	3 lbs/day

lbs/day = Pounds Per Day

3.3 MODELS EMPLOYED TO ANALYZE AIR QUALITY

3.3.1 CALEEMOD

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

In May 2022 the CAPCOA in conjunction with other California air districts, including SCAQMD, released the latest version of 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, PM_{10}, and $PM_{2.5}$) and GHG emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (38). Accordingly, the latest version of CalEEMod has been used for this Project to determine construction and operational air quality emissions. Output from the model runs for both construction and operational activity are provided in Appendices 3.1 through 3.3.

3.4 CONSTRUCTION EMISSIONS

3.4.1 CONSTRUCTION ACTIVITIES

Construction activities associated with the Project would result in emissions of VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$. Construction related emissions are expected from the following construction activities:

- Site Preparation
- Grading/Blasting
- Building Construction
- 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 require approximately 68,877 cubic yards (CY) of soil import.

BLASTING ACTIVITIES

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 PM_{10} and $PM_{2.5}$ emissions were determined using Section 11.9 of AP-42 (39). 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, it is anticipated that blasting will occur over an area of approximately 1.85 acres, and the Project will require the export of approximately 68,877 cubic yards of rock. Blasting activities are expected to occur over a period of ten days, with no more than 3.44 tons of explosives detonated per day.

OFF-SITE UTILITY AND INFRASTRUCTURE IMPROVEMENTS

In addition, to support the Project development, there may be paving for off-site improvements associated with roadway construction and utility installation for the Project. It is expected that the off-site construction activities would not take place at one location for the entire duration of construction. Impacts associated with these activities are not expected to exceed the emissions identified for Project-related construction activities since the off-site construction areas would have physical constraints on the amount of daily activity that could occur. The physical constraints would limit the amount of construction equipment that could be used, and any off-site and utility infrastructure construction would not use equipment totals that would exceed the equipment totals on Table 3-4. As such, no impacts beyond what has already been identified in this report are expected to occur.

ON-ROAD TRIPS

Construction generates on-road vehicle emissions from vehicle usage for workers, vendor trucks and haul trucks traveling to and from the site. The number of worker, vendor, and haul trips are presented below in Table 3-2. Worker trips are based on CalEEMod defaults. It should be noted that for vendor trips, specifically, CalEEMod only assigns vendor trips to the Building Construction phase. Vendor trips would likely occur during all phases of construction. As such, the CalEEMod defaults for vendor trips have been adjusted based on a ratio of the total vendor trips to the number of days of each subphase of activity.

TABLE 3-2: CONSTRUCTION TRIP ASSUMPTIONS

Construction Activity	Worker Trips Per Day	Vendor Trips Per Day	Hauling Trips Per Day
Site Preparation	35	119	14
Grading/Blasting	40	307	14
Building Construction	3,575	974	0
Paving	30	0	0
Architectural Coating	715	0	0

3.4.2 CONSTRUCTION DURATION

For purposes of analysis, construction of Project is expected to commence in July 2023 and would end in November 2031. The construction schedule utilized in the analysis, shown in Table 3-3, represents a "worst-case" analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as time passes and the analysis

year increases due to emission regulations becoming more stringent[3]. The duration of construction activity and associated equipment represents a reasonable approximation of the expected construction fleet as required per *CEQA Guidelines* (1). As shown on the table below, it is expected that overlap would occur during the building construction, paving, and architectural coating phases of Project construction.

TABLE 3-3: CONSTRUCTION DURATION

Construction Activity	Start Date	End Date	Days
Site Preparation	7/1/2023	3/9/2024	180
Grading/Blasting	3/10/2024	12/20/2025	465
Building Construction	3/22/2026	11/13/2031	1,474
Paving	3/22/2026	11/13/2031	1,474
Architectural Coating	3/22/2026	11/13/2031	1,474

3.4.3 CONSTRUCTION EQUIPMENT

Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 3-4 would operate up to a total of eight (8) hours per day, or more than two-thirds of the period during which construction activities are allowed pursuant to the County Code. In accordance with the County of Riverside Good Neighbor Policy for Logistics and Warehouse/Distribution uses, it was assumed that equipment would meet at least CARB Tier 4 emissions standards. In cases where Tier 4 equipment is not available, Tier 3 equipment may be substituted.

TABLE 3-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Construction Activity	Equipment[1]	Quantity	Hours Per Day
Site Preparation	Rubber Tired Dozers	6	8
	Crawler Tractors	8	8
Grading	Graders	2	8
	Excavators	4	8
	Scrapers	4	8
	Rubber Tired Dozers	2	8
	Crawler Tractors	4	8
Building Construction	Cranes	2	8
	Forklifts	6	8
	Generator Sets	2	8

[3] As shown in the CalEEMod User's Guide Version 2022.1, Section 4.3 "Off-Road 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.

Construction Activity	Equipment[1]	Quantity	Hours Per Day
	Tractors/Loaders/Backhoes	6	8
	Welders	2	8
Paving	Pavers	4	8
	Paving Equipment	4	8
	Rollers	4	8
Architectural Coating	Air Compressors	2	8

[1] In order to account for fugitive dust emissions, Crawler Tractors were used in lieu of Tractors/Loaders/Backhoes.

3.4.4 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 3-5. Detailed unmitigated construction model outputs are presented in Appendix 3.1. Under the assumed scenarios, emissions resulting from the Project construction will not exceed criteria pollutant thresholds established by the SCAQMD.

TABLE 3-5: OVERALL CONSTRUCTION EMISSIONS SUMMARY – WITHOUT MITIGATION

Year	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
2023	1.35	69.55	295.44	7.02	15.93	6.26
2024	1.80	79.55	310.04	7.09	11.77	3.43
2025	1.70	79.05	309.64	7.09	11.77	3.43
2026	47.30	58.10	375.00	0.30	65.40	16.10
2027	46.30	55.00	352.00	0.30	65.40	16.10
2028	45.70	53.40	332.00	0.30	65.40	16.10
2029	45.00	50.40	314.00	0.30	65.40	16.10
2030	42.40	47.30	296.00	0.30	65.40	16.10
2031	41.70	46.20	282.00	0.30	65.40	15.90
Winter						
2023	1.33	69.85	294.74	7.02	15.93	6.26
2024	1.77	80.15	309.34	7.09	15.93	6.26
2025	1.67	79.55	308.94	7.09	11.77	3.43
2026	46.20	61.40	300.00	0.30	65.40	16.10

Year	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
2027	45.30	58.30	282.00	0.30	65.40	16.10
2028	44.70	56.70	267.00	0.30	65.40	16.10
2029	42.30	53.50	252.00	0.30	65.40	16.10
2030	41.60	50.70	241.00	0.30	65.40	16.10
2031	40.90	47.50	228.00	0.30	65.40	15.90
Maximum Daily Emissions	**47.30**	**80.15**	**375.00**	**7.09**	**65.40**	**16.10**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Source: CalEEMod construction-source (unmitigated) emissions are presented in Appendix 3.1.

3.5 OPERATIONAL EMISSIONS

Operational activities associated with the Project would result in emissions of VOCs, NO_X, SO_X, CO, PM_{10}, and $PM_{2.5}$. Operational emissions are expected from the following primary sources:

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions
- On-Site Cargo Handling Equipment Emissions
- TRU Emissions

3.5.1 AREA SOURCE EMISSIONS

ARCHITECTURAL COATINGS

Over a period of time the buildings that are part of this Project would require maintenance and would therefore produce emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other surface coatings. 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 ozone 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,

shedders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. It should be noted that as 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.

3.5.2 ENERGY SOURCE EMISSIONS

COMBUSTION EMISSIONS ASSOCIATED WITH ELECTRICITY

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 excluded from the evaluation of significance.

3.5.3 MOBILE SOURCE EMISSIONS

The Project related operational air quality emissions derive primarily from vehicle trips generated by the Project, including employee trips to and from the site and truck trips associated with the proposed uses. Trip characteristics available from the *Stoneridge Commerce Center Specific Plan Alternative Truck Route Traffic Analysis Scoping Agreement* were utilized in this analysis (4).

APPROACH FOR ANALYSIS OF THE PROJECT

In order to determine emissions from passenger car vehicles from industrial uses and all vehicles from the shopping center use, a trip length of 11.37 miles was used for all trips based on the *Stoneridge Commerce Center Specific Plan Vehicle Miles Traveled (VMT) Analysis* (40).

For the proposed industrial uses, it is important to note that although the *Stoneridge Commerce Center Specific Plan Traffic Analysis* does not breakdown passenger cars by type, this analysis assumes that passenger cars include Light-Duty-Auto vehicles (LDA), Light-Duty-Trucks (LDT1[4] & LDT2[5]), Medium-Duty-Vehicles (MDV), and Motorcycles (MCY) vehicle types. In order to account for emissions generated by passenger cars, the fleet mix in Table 3-6 was utilized for the industrial uses. The CalEEMod default fleet mix was used for the commercial uses.

TABLE 3-6: PASSENGER CAR FLEET MIX

Land Use	% Vehicle Type				
	LDA	LDT1	LDT2	MDV	MCY
High-Cube Cold Storage	53.21%	3.61%	24.28%	16.58%	2.32%
High-Cube Fulfillment					

[4] 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.

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

Land Use	% Vehicle Type				
	LDA	LDT1	LDT2	MDV	MCY
High-Cube Warehouse					
Manufacturing					
Warehouse					
Industrial Park					

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, and MDV vehicle types.

To determine emissions from trucks for the proposed industrial uses, the analysis incorporated the SCAQMD recommended truck trip length of 15.3 miles for 2-axle (LHDT1, LHDT2), 14.2 miles for 3-axle (MHDT) trucks, and 39.9 miles for 4+-axle (HHDT) trucks and weighting the average trip lengths using traffic trip percentages. The trip length function for the industrial uses have been revised to 30.51 miles for both the With and Without MCP scenarios, and an assumption of 100% primary trips. Trucks are broken down by truck type. The truck fleet mix is estimated by rationing the trip rates for each truck type based on information provided by the SCAQMD recommended truck mix, by axle type. Heavy trucks are broken down by truck type (or axle type) and are categorized as either Light-Heavy-Duty Trucks (LHDT1[6] & LHDT2 [7])/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 fleet mix in Table 3-7 was utilized.

TABLE 3-7: TRUCK FLEET MIX

Phase	Land Use	% Vehicle Type			
		LHDT1	LHDT2	MHDT	HHDT
Without MCP	High-Cube Cold Storage	18.80%	5.37%	13.39%	62.44%
	High-Cube Fulfillment				
	High-Cube Warehouse				
	Manufacturing				
	Warehouse				
	Industrial Park				
With MCP	High-Cube Cold Storage	18.88%	5.40%	13.26%	62.46%
	High-Cube Fulfillment				
	High-Cube Warehouse				
	Manufacturing				
	Warehouse				
	Industrial Park				

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

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

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

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 estimate for travel on paved roads were calculated using CalEEMod.

3.5.4 ON-SITE CARGO HANDLING EQUIPMENT SOURCE EMISSIONS

It is common for industrial buildings to require the operation of exterior cargo handling equipment in the building's truck court areas. In accordance with the County of Riverside Good Neighbor Policy for Logistics and Warehouse/Distribution Uses, it was assumed that all on-site operational equipment would be electric-powered.

3.5.5 TRU 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. For modeling purposes, 2,208 two-way truck trips have been estimated to include TRUs (e.g., all truck trips that would be associated with up to 2,940,000-sf of high-cube cold storage use identified under both scenarios, as summarized in the *Stoneridge Commerce Center Specific Plan Alternative Truck Route Traffic Analysis Scoping Agreement* (4)). TRUs are accounted for during on-site and off-site travel. The TRU calculations are based on EMissions FACtor Model version 2021 (EMFAC2021), developed by the CARB. EMFAC2021 does not provide emission rates per hour or mile as with the on-road emission model and only provides emission inventories. Emission results are produced in tons per day while all activity, fuel consumption and horsepower hours were reported at annual levels. The emission inventory is based on specific assumptions including the average horsepower rating of specific types of equipment and the hours of operation annually. These assumptions are not always consistent with assumptions used in the modeling of Project level emissions. Therefore, the emissions inventory was converted into emission rates to accurately calculate emissions from TRU operation associated with Project level details. This was accomplished by converting the annual horsepower hours to daily operational characteristics and converting the daily emission levels into hourly emission rates based on the total emission of each criteria pollutant by equipment type and the average daily hours of operations.

3.5.5 OPERATIONAL EMISSIONS SUMMARY

As previously stated, CalEEMod utilizes summer and winter EMFAC2021 emission factors in order to derive vehicle emissions associated with Project operational activities, which vary by season. The estimated operational-source emissions are summarized on Table 3-8 for the Without MCP scenario and Table 3-9 for the With MCP scenario. Detailed operation model outputs for the Project are presented in Appendix 3.3. Under both scenarios, the Project would exceed the numerical thresholds of significance established by the SCAQMD for emissions of VOCs, NO_X, and CO.

RECOMMENDED OPERATIONAL MITIGATION MEASURES

MM AQ-2

All future cold storage warehousing shall be equipped with electrical hookups to eliminate idling of main and auxiliary engines during the loading and unloading process and provide for transport refrigeration units, auxiliary power units and other trucks requiring electrical power.

MM AQ-3

To facilitate the possible future installation of infrastructure that would charge the batteries that power the motors of electric-powered trucks, the following shall be installed. 1) At shell building permit, an electrical room(s) and/or exterior area(s) of the site shall be designated where future electrical panels would be located for the purpose of supplying power to on-site charging facilities for electric powered trucks. Conduit shall be installed from this designated area where the panel would be located to the onsite location where the charging facilities would be located and where electric-powered trucks would park and connect to charging facilities to charge the batteries that power the motors of the electric-powered trucks. 2) At issuance of a building permit for Tenant Improvements, if the tenant is served by electric trucks, the electrical panel and charging units shall be installed, and the electrical wiring connections shall be made from the electrical panel to the charging units. If the tenant is not served by electric trucks, this requirement shall not apply.

MM AQ-4

Install passenger car EV charging stations and designated carpool parking stalls per the provisions of the California Green Building Standards Code and require that each building be constructed with an adequately sized electrical panel(s) and conduit to accommodate future EV charging stations at a minimum of 5 percent of the passenger car parking spaces.

MM AQ-5

ON-SITE EQUIPMENT, SUCH AS FORKLIFTS, SHALL BE ELECTRIC WITH THE NECESSARY ELECTRICAL CHARGING STATIONS PROVIDED.MM AQ-6

In order to promote alternative fuels, and help support "clean" truck fleets, the developer/successor-in-interest shall provide building occupants with information related to SCAQMD's Carl Moyer Program, or other such programs that promote truck retrofits or "clean" vehicles and information including, but not limited to, the health effect of diesel particulates, benefits of reduced idling time, CARB regulations, and importance of not parking in residential areas. Tenants shall be notified about the availability of: 1) alternatively fueled cargo handling equipment; 2) grant programs for diesel-fueled vehicle engine retrofit and/or replacement; 3) designated truck parking locations in the project vicinity; 4) access to alternative fueling stations proximate to the site that supply compressed natural gas; and 5) the United States Environmental Protection Agency's SmartWay program.

MM AQ-7

All future operations in the Specific Plan shall adhere to the germane policy provisions in the County of Riverside Board of Supervisors Good Neighbor Policy for Logistics and Warehouse/Distribution Uses. In addition, buildings smaller than 250,000 square feet shall comply with applicable policy provisions of the Good Neighbor Policy except as indicated below.

Applicable feasible provisions of the Good Neighbor Policy that would serve to measurably reduce Project-related operational emissions include, but are not limited to, the following:

1. Warehouse/distribution facilities greater than 250,000 square feet shall be designed to provide adequate on-site parking for commercial trucks and passenger vehicles and on-site queuing for trucks that is away from sensitive receptors. The general queuing and spill-over of trucks onto surrounding public streets shall be prevented. Commercial trucks shall not be parked in the public road right-of-way or nearby residential areas.

2. Facility operators shall maintain records of their fleet equipment and ensure that all diesel-fueled Medium-Heavy Duty Trucks ("MHDT") and Heavy-Heavy Duty Trucks ("HHD") accessing the site use year CARB 2010 or newer engines. The records should be maintained on-site and be made available for inspection by the County.

3. Legible, durable, weather-proof signs shall be placed at truck access gates, loading docks, and truck parking areas that identify applicable California Air Resources Board (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 five minutes; and 3) telephone numbers of the building facilities manager and CARB to report violations.

4. Facility operators shall train their managers and employees on efficient scheduling and load management to eliminate unnecessary queuing and idling of trucks.

5. Signs should be posted in the appropriate locations and/or handouts should be provided that show the locations of nearest food options, fueling, truck maintenance services, and other similar convenience services.

6. Each Facility shall designate a Compliance Officer responsible for implementing the measures described herein and/or in the project conditions of approval and mitigation measures. Contact information shall be provided to the County and updated annually, and signs shall be posted in visible locations providing the contact information for the Compliance Officer to the surrounding community.

7. The future applicants for any new facility larger than 250,000 square feet in the Specific Plan will be required to enter into agreement with the County of Riverside to provide a supplemental funding contribution, which would be applied to further offset potential air quality impacts to the community and provide a community benefit. Said financial contribution will be determined by the Transportation and Land Management Agency based on the level of NOx emissions estimated to generated. Said supplemental funding contribution will be collected on a one-time basis. Funds collected under said supplemental funding program will be subject to designation for use by the Board of Supervisors and will generally be used for projects that directly benefit the impacted community wherein the project is located. The types of projects that the Board of Supervisors may designate for use of these funds include, but are not limited to (1) projects that directly offset NOx reductions above and beyond what is required by existing air quality regulations, (2) projects that generally improve air quality such as paving of dirt roads, installation of additional trees and landscaping, (3) projects that provide an enhanced buffer between the new facility and sensitive receptors, and (4) Projects that lead to reduced emissions by promoting alternate forms of transportation such as bicycle lanes, new sidewalks, bus turnouts, or other transit-related uses.

8. Warehouse/distribution facilities should be generally designed so that truck bays and loading docks are a minimum of 300 feet, measured from the property line of the sensitive receptor to the nearest dock door using a direct straight-line method. This distance may be reduced if the site

design includes berms or other similar features to appropriately shield and buffer the sensitive receptors from the active truck operations areas. Other setbacks appropriate to the site's zoning classification shall be incorporated in the design.

These strategies would contribute to reducing heavy duty truck emissions associated with the proposed Project. The proposed Project would not conflict with these strategies. Trucks onsite are required to comply with CARB's Heavy-Duty (Tractor-Trailer) GHG Regulation, which requires SmartWay tractor trailers that include idle-reduction technologies, aerodynamic technologies, and low-rolling resistant tires that would reduce fuel consumption and associated emissions.

Despite the mitigation measures provided by Project and the anticipated regulations implemented by the EPA and CARB to improve truck efficiency, the estimated long-term emissions generated under full buildout of the proposed Project would exceed the SCAQMD's regional operational significance thresholds (see Tables 3-8 and 3-9) and would cumulatively contribute to the nonattainment designations in the SCAB. In addition, regarding VOC, it is important to note that approximately 43% of the total operational VOC emissions are derived from consumer products. For analytical purposes, consumer products include cleaning supplies, aerosols, and other consumer products (41). As such, the Project Applicant cannot meaningfully control the use of consumer products by future building users via mitigation. On this basis, it is concluded that Project operational-source VOC emissions cannot be definitively reduced below applicable SCQMD thresholds and therefore are considered significant and unavoidable. Similarly, the predominance of the Project's operational-source emissions (approximately 41% of VOC emissions, 83% of NO_X emissions, and 61% of CO emissions by weight) are generated by passenger cars and trucks accessing the Project. Neither the Project Applicant nor the County have regulatory authority to control tailpipe or consumer product emissions, and no feasible MMs beyond the measures identified herein exist that would reduce Project operational-source VOC, NO_X, and CO emissions to levels that are less-than-significant. Therefore, the proposed Project would result in a significant and unavoidable impact in this regard.

The summary list of mitigation measures above are all designed to reduce emissions attributable to the proposed Project. Although not quantifiable, some of these measures will result in a reduction of air quality emissions. Therefore, the Emissions Summaries shown below is a conservative forecast of air quality emissions and the proposed Project is likely to be less than the total shown in Tables 3-8 and 3-9 below.

TABLE 3-8: SUMMARY OF PEAK OPERATIONAL EMISSIONS – WITHOUT MCP

Source	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
Mobile Source	66.50	327.00	685.00	4.46	128.00	30.50
Area Source	266.00	3.13	371.00	0.02	0.50	0.66
Energy Source	3.04	55.40	46.50	0.33	4.21	4.21
TRU Source	79.96	87.56	9.54	0.00	3.73	3.43
Total Maximum Daily Emissions	**415.50**	**473.09**	**1,112.04**	**4.81**	**136.44**	**38.80**
SCAQMD Regional Threshold	55	55	550	150	150	55

Source	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Threshold Exceeded?	**YES**	**YES**	**YES**	**NO**	**NO**	**NO**
Winter						
Mobile Source	63.60	344.00	586.00	4.36	128.00	30.50
Area Source	205.00	0.00	0.00	0.00	0.00	0.00
Energy Source	3.04	55.40	46.50	0.33	4.21	4.21
TRU Source	79.96	87.56	9.54	0.00	3.73	3.43
Total Maximum Daily Emissions	**351.60**	**486.96**	**642.04**	**4.69**	**135.94**	**38.14**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**YES**	**YES**	**YES**	**NO**	**NO**	**NO**

Source: CalEEMod operational-source emissions are presented in Appendix 3.3.

TABLE 3-9: SUMMARY OF PEAK OPERATIONAL EMISSIONS – WITH MCP

Source	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
Mobile Source	66.00	322.00	680.00	4.40	126.00	30.10
Area Source	262.00	3.08	366.00	0.02	0.49	0.65
Energy Source	3.00	54.50	45.80	0.33	4.14	4.14
TRU Source	79.96	87.56	9.54	0.00	3.73	3.43
Total Maximum Daily Emissions	**410.96**	**467.14**	**1,101.34**	**4.75**	**134.36**	**38.32**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**YES**	**YES**	**YES**	**NO**	**NO**	**NO**
Winter						
Mobile Source	63.20	338.00	581.00	4.30	126.00	30.10
Area Source	202.00	0.00	0.00	0.00	0.00	0.00
Energy Source	3.00	54.50	45.80	0.33	4.14	4.14
TRU Source	79.96	87.56	9.54	0.00	3.73	3.43
Total Maximum Daily Emissions	**348.16**	**480.06**	**636.34**	**4.63**	**133.87**	**37.67**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**YES**	**YES**	**YES**	**NO**	**NO**	**NO**

Source: CalEEMod operational-source emissions are presented in Appendix 3.3.

3.6 LOCALIZED AIR QUALITY IMPACTS

BACKGROUND ON LST DEVELOPMENT

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (LST Methodology). The SCAQMD has established that localized impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of

the federal and/or state ambient air quality standards (NAAQS/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-4[8]. LSTs represent the maximum emissions from a project that would 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).

APPLICABILITY OF LSTS FOR THE PROJECT

For this Project, the appropriate SRA for the LST analysis is Perris Valley (SRA 24). LSTs apply to CO, NO_2, PM_{10}, and $PM_{2.5}$. The SCAQMD produced look-up tables for projects less than or equal to 5 acres in size.

In order to determine the appropriate methodology for determining localized impacts that could occur as a result of Project-related construction, the following process is undertaken:

- Identify the maximum daily on-site emissions that would occur during construction activity:
    - The maximum daily on-site emissions could be based on information provided by the Project Applicant; or
    - The SCAQMD's *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds* and CalEEMod User's Guide *Appendix A: Calculation Details for CalEEMod* can be used to determine the maximum site acreage that is actively disturbed based on the construction equipment fleet and equipment hours as estimated in CalEEMod (43) (44).
- If the total acreage disturbed is less than or equal to 5 acres per day, then the SCAQMD's screening look-up tables are utilized to determine if a Project has the potential to result in a significant impact. The look-up tables establish a maximum daily emissions threshold in lbs/day that can be compared to CalEEMod outputs.
- If the total acreage disturbed is greater than 5 acres per day, then LST impacts may still be conservatively evaluated using the LST look-up tables for a 5-acre disturbance area. Use of the 5-acre disturbance area thresholds can be used to show that even if the daily emissions from all construction activity were emitted within a 5-acre area, and therefore concentrated over a smaller area which would result in greater site adjacent concentrations, the impacts would still be less than significant if the applicable 5-acre thresholds are utilized.

[8] 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."

- The *LST Methodology* presents mass emission rates for each SRA, project sizes of 1, 2, and 5 acres, and nearest receptor distances of 25, 50, 100, 200, and 500 meters. For project sizes between the values given, or with receptors at distances between the given receptors, the methodology uses linear interpolation to determine the thresholds.

EMISSIONS CONSIDERED

Based on SCAQMD's *LST Methodology*, emissions for concern during construction activities are on-site NO_X, CO, $PM_{2.5}$, and PM_{10}. The *LST Methodology* clearly states that "off-site mobile emissions from the Project should not be included in the emissions compared to LSTs (45)." As such, for purposes of the construction LST analysis, only emissions included in the CalEEMod "on-site" emissions outputs were considered.

MAXIMUM DAILY DISTURBED-ACREAGE

The "acres disturbed" for analytical purposes are based on specific equipment type for each subcategory of construction activity and the estimated maximum area a given piece of equipment can pass over in an 8-hour workday (as shown on Table 3-10). The equipment-specific grading rates are summarized in the SCAQMD's *Fact Sheet for Applying CalEEMod to Localized Significance Thresholds* and CalEEMod User's Guide *Appendix C: Emission Calculation Details for CalEEMod* (43) (46). It The disturbed area per day is representative of a piece of equipment making multiple passes over the same land area. In other words, one Rubber Tired Dozer can make multiple passes over the same land area totaling 0.5 acres in a given 8-hour day. Based on Table 3-10, the Project's construction activities could actively disturb approximately 7.0 acres per day during site preparation activities and 8.0 acres per day during grading activities.

TABLE 3-10: MAXIMUM DAILY DISTURBED-ACREAGE

Construction Activity	Equipment Type	Equipment Quantity	Acres graded per 8-hour day	Operating Hours per Day	Acres graded per day
Site Preparation	Crawler Tractors	6	0.5	8	3.0
	Rubber Tired Dozers	8	0.5	8	4.0
Total acres disturbed per day during Site Preparation:					7.0
Grading	Crawler Tractors	4	0.5	8	2.0
	Graders	2	0.5	8	1.0
	Rubber Tired Dozers	2	0.5	8	1.0
	Scrapers	4	1	8	4.0
Total acres disturbed per day during Grading:					8.0

Source: Maximum daily disturbed acreage based on equipment list presented in Appendix 3.1.

DISPERSION MODELING

In order to estimate localized pollutant concentrations resulting from Project construction, the SCAQMD-approved American Meteorological Society/EPA Regulatory Model (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 (approximately 3.28 feet) initial vertical dimension (sigma z) were utilized for fugitive dust emissions of PM_{10} and $PM_{2.5}$ consistent with SCAQMD's LST guidance.

In order to account for equipment exhaust emissions from NO_2, CO, PM_{10}, and $PM_{2.5}$ a release height of 5.0 meters was utilized consistent with SCAQMD's LST guidance.

METEOROLOGICAL DATA AND MODEL OPTIONS

In order to account for meteorological conditions at the Project site, meteorological data from the SCAQMD's Perris 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.

RECEPTORS

As previously stated, LSTs represent the maximum emissions from a project that would 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.

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, and individuals with pre-existing respiratory or cardiovascular illness. Structures that house these persons or places where they gather are defined as "sensitive receptors". These structures typically include uses such as residences, hotels, and hospitals 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 has been used to determine construction and operational air quality impacts for emissions of PM_{10} and $PM_{2.5}$, since PM_{10} and $PM_{2.5}$ thresholds are based on a 24-hour averaging time.

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. However, *LST Methodology* explicitly states that "*LSTs based on shorter averaging periods, such as the NO_2 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* (45)." Therefore, any adjacent land use where an individual could remain for 1 or 8-hours, that is located at a closer distance to

the Project site than the receptor used for PM_{10} and $PM_{2.5}$ analysis, must be considered to determine construction and operational LST air impacts for emissions of NO_2 and CO since these pollutants have an averaging time of 1 and 8-hours.

STUDY AREA RECEPTORS

Receptors in the Project study area are described below and shown on Exhibit 3-A. Localized air quality impacts were evaluated at sensitive receptor land uses nearest the Project site. All distances are measured from the Project site boundary to the outdoor living areas (e.g., backyards) or at the building façade, whichever is closer to the Project site.

R1: Location R1 represents Sierra Vista Elementary School, approximately 2,780 feet west of the Project site.

R2: Location R2 represents Lakeside Middle School, approximately 2,540 feet west of the Project site.

R3: Location R3 represents Nuview Bridge Early College High School, approximately 7,973 feet east of the Project site.

R4: Location R4 represents Nuview Elementary School, approximately 7,015 feet east of the Project site.

R5: Location R5 represents the existing residence at 28900 Reservoir Avenue, approximately 4,018 feet east of the Project site. Receptor R5 is placed in the private outdoor living areas (backyard) facing the Project site.

R6: Location R6 represents the existing residence at 28240 Green Valley Road, approximately 3,732 feet east of the Project site. Receptor R6 is placed in the private outdoor living areas (backyard) facing the Project site.

R7: Location R7 represents the existing residence at 22125 Menifee Road, approximately 2,483 feet southeast of the Project site. Receptor R7 is placed in the private outdoor living areas (backyard) facing the Project site.

R8: Location R8 represents the existing residence at 27304 Nuevo Road, approximately 4,942 feet west of the Project site. Receptor R8 is placed in the private outdoor living areas (backyard) facing the Project site.

R9: Location R9 represents the existing residence at 21361 Foothill Avenue, approximately 4,008 feet west of the Project site. Since there are no private outdoor living areas facing the Project site, R9 is placed at the building façade facing the Project site.

R10: Location R10 represents Orange Vista High School, approximately 6,664 feet west of the Project site.

R11: Location R11 represents New Life Growers, approximately 196 feet southeast of the Project site.

FUT-1: Location FUT-1 represents the potential future medium density residential land use located north of the Project site.

FUT-2: Location FUT-2 represents the potential future medium-high density residential land use located northeast of the Project site.

FUT-3: Location FUT-3 represents the potential future medium density residential land use located east of the Project site.

FUT-4: Location FUT-4 represents the potential future medium density residential land use located east of the Project site.

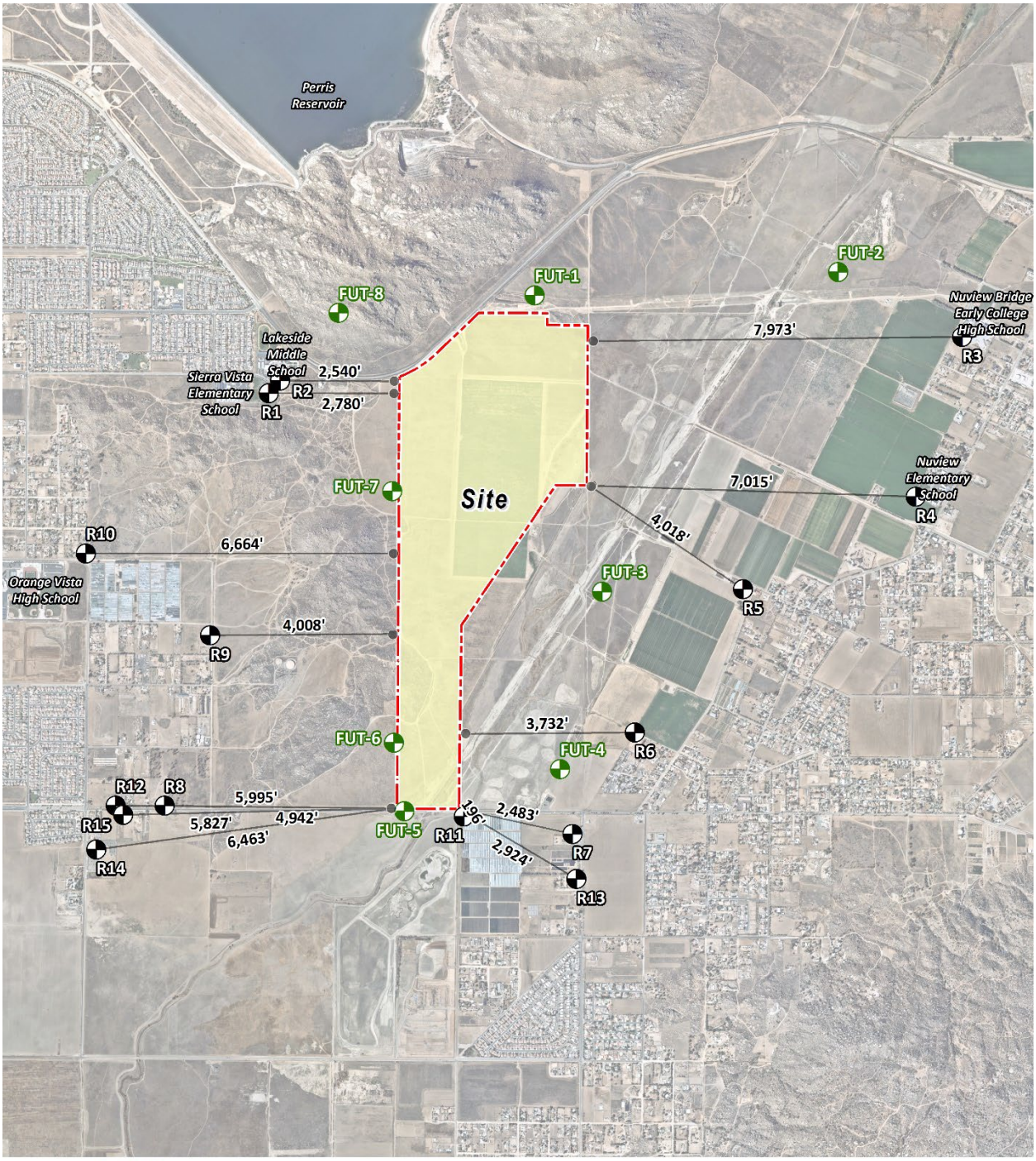
FUT-5: Location FUT-5 represents the potential future medium density residential land use located south of the Project site.

FUT-6: Location FUT-6 represents the potential future medium density residential land use located west of the Project site within the McCanna Hills Specific Plan.

FUT-7: Location FUT-7 represents the potential future medium density residential land use located west of the Project site within the McCanna Hills Specific Plan.

FUT-8: Location FUT-8 represents the potential future medium density residential land use located northwest of the Project site.

EXHIBIT 3-A: RECEPTOR LOCATIONS



CONSTRUCTION-SOURCE LOCALIZED EMISSIONS

Emissions during the peak construction activity will not exceed the SCAQMD's localized significance thresholds at the maximally exposed receptor location, as illustrated on Table 3-11. All other modeled locations in the study area would experience a lesser concentration and consequently a lesser impact. As such, the Project's localized impacts during construction activity would be less than significant. Outputs from the model runs for construction LSTs are provided in Appendix 3.13.

TABLE 3-11: LOCALIZED SIGNIFICANCE SUMMARY PEAK CONSTRUCTION

Peak Construction	CO		NO_2	PM_{10}	$PM_{2.5}$
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	0.03	0.01	4.46E-03	0.21	0.06
Background Concentration [A]	2.1	1.8	0.066		
Total Concentration	**2.13**	**1.81**	**0.07**	**0.21**	**0.06**
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.
Notes: PM_{10} and $PM_{2.5}$ concentrations are expressed in $\mu g/m^3$. All others are expressed in ppm.

OPERATIONAL-SOURCE LOCALIZED EMISSIONS

The LST analysis generally includes on-site sources (area, energy, mobile, and on-site cargo handling equipment – are previously discussed in Section 3.5 of this report). However, it should be noted that the CalEEMod outputs do not separate on-site and off-site emissions from mobile sources. As such, to establish a maximum potential impact scenario for analytic purposes, the modeled emissions include all on-site Project-related stationary (area) sources and on-site Project-related mobile emissions. In order to account for on-site mobile emissions, a trip length of 3.0 miles was utilized for both scenarios for both trucks and passenger cars.

Emissions during peak operational activity will not exceed the SCAQMD's localized significance thresholds at the maximally impacted receptor location for the Without MCP or With MCP scenarios, as illustrated on Tables 3-12 and 3-13. All other modeled locations in the study area would experience a lesser concentration and consequently a lesser impact. As such, the Project's localized impacts during operational activity would be less than significant. Outputs from the model runs for operational LSTs are provided in Appendix 3.13.

TABLE 3-12: LOCALIZED SIGNIFICANCE SUMMARY PEAK OPERATIONS – WITHOUT MCP

Peak Construction	CO		NO_2	PM_{10}	$PM_{2.5}$
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	7.30E-02	5.64E-02	9.02E-03	1.08	0.47
Background Concentration [A]	2.1	1.8	0.066		
Total Concentration	**2.17**	**1.86**	**0.08**	**1.08**	**0.47**
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.
Notes: PM_{10} and $PM_{2.5}$ concentrations are expressed in $\mu g/m^3$. All others are expressed in ppm.

TABLE 3-13: LOCALIZED SIGNIFICANCE SUMMARY PEAK OPERATIONS – WITH MCP

Peak Construction	CO		NO_2	PM_{10}	$PM_{2.5}$
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	7.30E-02	5.64E-02	8.98E-03	1.08	0.47
Background Concentration [A]	2.1	1.8	0.066		
Total Concentration	**2.17**	**1.86**	**0.07**	**1.08**	**0.47**
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.
Notes: PM_{10} and $PM_{2.5}$ concentrations are expressed in $\mu g/m^3$. All others are expressed in ppm.

3.7 CO "HOT SPOT" ANALYSIS

As discussed below, the Project would not result in potentially adverse CO concentrations or "hot spots." Further, detailed modeling of Project-specific CO "hot spots" 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.

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 3-14.

TABLE 3-14: 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 (47). 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 monitoring 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.

Similar considerations are also employed by other Air Districts when evaluating potential CO concentration impacts. More specifically, the Bay Area Air Quality Management District (BAAQMD) concludes that under existing and future vehicle emission rates, a given project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour (vph)—or 24,000 vph where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (48). Traffic volumes generating the CO concentrations for the "hot spot" analysis is shown on Table 3-15. The busiest intersection evaluated was that at Wilshire Boulevard and Veteran Avenue, which has a daily traffic volume of approximately 100,000 vph and AM/PM traffic volumes of 8,062 vph and 7,719 vph respectively (47). The *2003 AQMP* estimated that the 1-hour concentration for this 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)[9].

TABLE 3-15: 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

Source: 2003 AQMP

When considering maximum traffic volumes in the Project study area, as summarized on Table 3-16 below, the intersection of Perris Boulevard and Ramona Expressway would have the highest AM and PM traffic volumes of 6,632 vph and 7,831 vph, respectively. The total traffic volumes at the intersections considered are less than the traffic volumes identified in the *2003 AQMP*. As such, the Project considered herein along with background and cumulative development 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, CO "hot spots" are not an environmental impact of concern for the Project. Localized air quality impacts related to mobile-source emissions would therefore be less than significant.

TABLE 3-16: PEAK HOUR TRAFFIC VOLUMES

Intersection Location	Peak Traffic Volumes (vph)				
	Northbound (AM/PM)	Southbound (AM/PM)	Eastbound (AM/PM)	Westbound (AM/PM)	Total (AM/PM)
Perris Boulevard/Ramona Expressway	1,502/1,089	814/1,490	1,740/2,995	2,576/2,257	6,632/7,831
Evans Road/Ramona Expressway	866/623	809/1,352	1,534/3,406	2,711/2,131	5,920/7,512
I-215 NB Ramps/Ramona Expressway	1,114/1,034	0/0	1,976/3,122	2,416/2,717	5,507/6,873
Bernasconi Road/Orange Avenue	1,138/936	1,794/3,090	1,459/1,565	1,199/1,243	5,590/6,835

Source: *Stoneridge Commerce Center Specific Plan Traffic Analysis* (Urban Crossroads, Inc., 2022)

3.8 AQMP

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 use to be

[9] Based on the ratio of the CO standard (20.0 ppm) and the modeled value (4.6 ppm)

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.

The 2022 AQMP was adopted by SCAQMD's Governing Board on December 2, 2022. In order to attain its goals of reducing smog-forming emissions by 70% beyond existing regulations by 2037, the 2022 AQMP would expand zero-emission regulations across all sectors, including water and space heating as well as for on-road vehicles, construction equipment, and industrial facilities. The 2022 AQMP will next need to be approved by CARB and will then be submitted to the United States Environmental Protection Agency for review and approval.

Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the *1993 CEQA Handbook* (49). These indicators are discussed below:

3.8.1 CONSISTENCY CRITERION NO. 1

Potential to 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 refer 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

Consistency Criterion No. 1 refers to violations of the CAAQS and NAAQS. CAAQS and NAAQS violations would occur if localized or regional significance thresholds were exceeded. As evaluated, the Project's localized and regional construction-source emissions would not exceed applicable regional significance threshold and LST thresholds. As such, a less than significant impact is expected.

Operational Impacts – Consistency Criterion 1

The Project's localized operational-source emissions would not exceed applicable LSTs. However, Project operational-source emissions would exceed applicable regional thresholds for emissions of VOC, NO_X, and CO. It should be noted that because the SCAB is in attainment for CO, the Project's regional CO emissions would not conflict with the AQMP despite exceeding the SCAQMD regional significance threshold. However, project operational-source VOC and NO_X emissions exceedances would therefore increase the frequency or severity of existing air quality violations and would cause or contribute to new violations or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

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

3.8.2 CONSISTENCY CRITERION NO. 2

Potential to 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 cities 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 County of Riverside 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. As such, when considering that no emissions thresholds will be exceeded, a less than significant impact would result.

Operational Impacts – Consistency Criterion 2

The proposed Project is located in unincorporated Riverside County and is located within the Lakeview/Nuevo Area Plan. The County of Riverside General Plan and Lakeview/Nuevo Area Plan designate the Project site for Medium Density Residential (MDR), Medium-High Density Residential (MHDR), Very-High Density Residential (VHDR), Commercial Retail (CR), Community Center (CC), Open Space – Conservation (OS-C), Open-Space Recreation (OS-R), and Open Space – Water (OS-W) land uses. To allow for the Project uses, the Applicant proposes to amend the General Plan and Lakeview/Nuevo Area Plan to reflect the proposed Project, including Light Industrial (LI), Business Park (BP), Commercial Retail (CR), Open Space – Conservation (OS-C), and Open Space – Conservation Habitat land uses.

The 2022 AQMP does not reflect the proposed land use designation for the Project site as summarized above. For this reason, there is the potential for the Project to exceed air quality impact assumptions in the AQMP or increments based on the years of Project build-out phase. Consequently, the development of the subject site as proposed by the Project is assumed to generate operational-source emissions not reflected within the current 2022 AQMP regional emissions inventory for the SCAB.

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

AQMP CONSISTENCY CONCLUSION

The Project would be inconsistent with AQMP Criterion No's. 1 and 2, resulting in a determination that impacts in this regard would be considered potentially significant. The Project would

implement development-specific air quality mitigation measures identified in this analysis, acting to generally reduce the Project's operational-source air pollutant emissions. Additionally, incorporation of contemporary energy-efficient technologies and operational programs, and compliance with SCAQMD emissions reductions and control requirements act to reduce Project air pollutant emissions generally.

Notwithstanding, based on the analysis presented here, the Project is considered to be inconsistent with applicable AQMP Consistency Criteria.

3.9 POTENTIAL IMPACTS TO SENSITIVE RECEPTORS

The potential impact of Project-generated air pollutant emissions at sensitive receptors has also been considered. 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.

Additionally, 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." Therefore, sensitive receptors would not be exposed to substantial pollutant concentrations as the result of Project operations.

3.9.1 FRIANT RANCH CASE

In December 2018, in the case of *Sierra Club v. County of Fresno* (2018) 6 Cal.5th 502, the California Supreme Court held that an Environmental Impact Report's (EIR) air quality analysis must meaningfully connect the identified air quality impacts to the human health consequences of those impacts, or meaningfully explain why that analysis cannot be provided.

Most local agencies, including the County of Riverside, lack the data to do their own assessment of potential health impacts from criteria air pollutant emissions, as would be required to establish customized, locally-specific thresholds of significance based on potential health impacts from an individual development project. The use of national or "generic" data to fill the gap of missing local data would not yield accurate results because such data does not capture local air patterns, local background conditions, or local population characteristics, all of which play a role in how a population experiences air pollution. Because it is impracticable to accurately isolate the exact cause of a human disease (for example, the role a particular air pollutant plays compared to the role of other allergens and genetics in causing asthma), existing scientific tools cannot accurately estimate health impacts of the Project's air emissions without undue speculation. Instead, readers are directed to the Project's air quality impact analysis above, which provides extensive information concerning the quantifiable and non-quantifiable health risks related to the Project's construction and long-term operation.

Notwithstanding, this AQIA does evaluate the proposed Project's localized impact to air quality for emissions of CO, NO_X, PM_{10}, and $PM_{2.5}$ by comparing the proposed Project's on-site emissions to the SCAQMD's applicable LST thresholds. The LST analysis above determined that the Project would not result in emissions exceeding SCAQMD's LSTs. Therefore, the proposed Project would

not be expected to exceed the most stringent applicable federal or state ambient air quality standards for emissions of CO, NO_X, PM_{10}, and $PM_{2.5}$.

As the Project's emissions would comply with federal, state, and local air quality standards, the proposed Project's emissions are not sufficiently high enough to use a regional modeling program to correlate health effects on a basin-wide level and would not provide a reliable indicator of health effects if modeled.

3.10 ODORS

The potential for the Project to generate objectionable odors has also been considered. 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 Project does not contain land uses typically associated with emitting objectionable odors. 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 and the temporary storage of typical solid waste (refuse) associated with the proposed Project's (long-term operational) uses. 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 in compliance with current solid waste regulations. The proposed Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors and other emissions (such as those leading to odors) associated with construction and operations activities of the proposed Project would be less than significant and no mitigation is required (50).

3.11 CUMULATIVE IMPACTS

As previously shown in Table 2-3, the CAAQS designate the Project site as nonattainment for O_3 PM_{10}, and $PM_{2.5}$ while the NAAQS designates the Project site as nonattainment for O_3 and $PM_{2.5}$.

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* (51). In this report the SCAQMD clearly states (Page D-3):

> *"…the SCAQMD 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 SCAB is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact. Conversely, project-level construction and operational emissions that exceed SCAQMD thresholds would be considered cumulatively considerable.

CONSTRUCTION-SOURCE EMISSION IMPACTS

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that proposed Project construction-source air pollutant emissions would not result in exceedances of regional thresholds. Therefore, proposed Project construction-source emissions would be considered less than significant on a Project-specific and cumulative basis.

OPERATIONAL-SOURCE EMISSION IMPACTS

As substantiated in this analysis, Project-level operational-source VOC, NO_X, and CO emissions impacts would be significant and unavoidable. It should be noted that because the SCAB is in attainment for CO, Project-level operational CO emissions would not be considered cumulatively significant. However, per SCAQMD protocols, Project operational-source VOC and NO_X emissions impacts would be cumulatively significant.

COUNTY OF RIVERSIDE GOOD NEIGHBOR POLICY

The County of Riverside adopted the Good Neighbor Policy for Logistics and Warehouse/Distribution Uses (Policy Number F-3) on November 19, 2019. (20) The goal of this policy is to provide a framework through which large-scale logistics and warehouse projects can be designed and operated in a way that lessens any impacts on surrounding communities and the environment.

Specifically, Table 3-17 identifies the following relevant guidelines that have been reviewed for consistency:

TABLE 3-17: GOOD NEIGHBOR POLICY RELEVANT GUIDELINES

Measure		Project Consistency
1.1	An "Air Quality" study shall be prepared in accordance with the Air Quality Management District (AQMD) guidelines which includes both project specific and cumulative impact analysis.	The analysis presented here conforms with applicable analytic guidelines and requirements. The analysis substantiates that all potential air quality impacts, including potential health risk impacts would be less-than-significant.
1.2	A "Health Risk Assessment" shall be prepared when a proposed warehouse/distribution facility is located within 1,000 feet of a sensitive receptor, in accordance with AQMD guidelines.	A health risk assessment has been prepared for the proposed Project in accordance with SCAQMD guidelines and is presented under a separate cover.
2.1	During construction of the warehouse/distribution facility, all heavy-duty haul trucks accessing the site shall have CARB-Compliant 2010 engines or newer approved CARB engine standards.	All heavy-duty haul trucks accessing the Project site during construction will be in compliance with the CARB Truck and Bus regulation, which requires that heavy duty trucks utilize CARB-Compliant 2010 or newer engines by January 1, 2023.

Measure		Project Consistency
2.2	All diesel fueled off-road construction equipment greater than 50 horsepower, including but not limited to excavators, graders, rubber-tired dozers, and similar "off-road" construction equipment shall be equipped with CARB Tier 4 Compliant engines. If the operator lacks Tier 4 equipment, and it is not available for lease or short-term rental within 50 miles of the project site, Tier 3 or cleaner off-road construction equipment may be utilized subject to County approval.	All diesel-fueled off-road construction equipment will meet CARB Tier 4 standards. This is required under MM AQ-1.
2.3	The maximum daily disturbance area (actively graded area) shall not exceed 10 acres per day. Non-Grading construction activity in areas greater than 10 acres is allowed.	The maximum daily disturbance area will not exceed 10 acres per day during site preparation and grading. It is anticipated that no more than 8 acres would be graded per day.
2.7	Appropriate dust control measures that meet the SCAQMD standards shall be implemented for grading and construction activity.	The Project would comply with all applicable dust control measures, including SCAQMD Rules 401, 402, and 403.
2.8	Construction equipment maintenance records and data sheets, which includes equipment design specifications and equipment emission control tier classifications, as well as any other records necessary to verify compliance, shall be kept onsite and furnished to the County upon request.	The Project will maintain records on-site during construction to demonstrate compliance with the above requirements.
2.9	Construction Contractors shall prohibit truck drivers from idling more than five (5) minutes and require operators to turn off engines when not in use, in compliance with the California Air Resources Board regulations.	The Project would be required to comply with statewide anti-idling rules. Compliance with anti-idling rules diminishes the potential for localized emissions concentrations and reduces potential adverse effects at sensitive receptors.
3.1	Warehouse/distribution facilities should be generally designed so that truck bays and loading docks are a minimum of 300 feet, measured from the property line of the sensitive receptor to the nearest dock door using a direct straight-line method. This distance may be reduced if the site design includes berms or other similar features to appropriately shield and buffer the sensitive receptors from the active truck operations areas. Other setbacks appropriate to the site's zoning classification shall be incorporated in the design.	As designed, the proposed Project's loading docks would not be located within 300 feet of any nearby sensitive receptors, including the McCanna Hills Specific Plan and future residential to the east and south of the Project site. This requirement will be enforced as part of future implementing plot plan applications.

Measure		Project Consistency
3.2	Warehouse/distribution facilities shall be designed to provide adequate on-site parking for commercial trucks and passenger vehicles and on-site queuing for trucks that is away from sensitive receptors. The general queuing and spill-over of trucks onto surrounding public streets shall be prevented. Commercial trucks shall not be parked in the public road right-of-way or nearby residential areas.	The site has been designed such that trucks would not need to queue on streets or elsewhere outside the proposed industrial building they serve. The Project design as approved by the County would act to limit on-site queuing, diminishing the potential for localized emissions concentrations and reduces potential adverse effects at sensitive receptors. This is required under MM AQ-7.
3.11	Warehouse/distribution facilities shall install electrical panels and conduit to facilitate future electrical connections, to eliminate idling of main and auxiliary engines during the loading and unloading process. At all cold storage facilities electrical connections shall be provided to each dock.	Loading docks would be wired for electrical hook-ups, allowing future users to seamlessly integrate electric charging for trucks, when such technology becomes readily available. This is required under MM AQ-3.
4.1	Facility operators shall maintain records of their facility owned and operated fleet equipment and ensure that all diesel-fueled Medium-Heavy Duty Trucks ("MHDT") and Heavy-Heavy Duty ("HHD") trucks with a gross vehicle weight rating greater than 19,500 pounds accessing the site use year CARB compliant 2010 or newer engines. The records should be maintained on-site and be made available for inspection by the County.	The proposed Project will comply with the CARB Truck and Bus regulation, which requires the use of CARB compliant 2010 or newer engines.
4.2	Facility operators shall prohibit truck drivers from idling more than five (5) minutes and require operators to turn off engines when not in use, in compliance with the California Air Resources Board regulations.	The Project would be required to comply with statewide anti-idling rules. Compliance with anti-idling rules diminishes the potential for localized emissions concentrations and reduces potential adverse effects at sensitive receptors.
4.4	Facility operators shall coordinate with CARB and SCAQMD to obtain the latest information about regional air quality concentrations, health risks, and trucking regulations.	The operator of the proposed facility will be required to remain in compliance with applicable air quality, health risk, and trucking regulations.
4.5	On-site equipment, such as forklifts, shall be electric with the necessary electrical charging stations provided.	All on-site equipment utilized for the operation of the proposed Project will be electrically powered and charging stations will be provided on-site. This is required under MM AQ-7.
4.6	Facility operators shall establish specific truck routes between the facility and regular destinations, identifying the most direct routes to the nearest highway/freeway and avoid traveling near sensitive receptors.	The operator of the proposed facility will be required to provide this information to drivers accessing the facility.

Measure		Project Consistency
4.9	A minimum of 5% or as required by the Cal Green Code, whichever is greater of employee parking spaces shall be designated for electric or other alternative fueled vehicles.	As designed, the proposed Project would meet or exceed California Green Building code requirements and provide parking spaces designated for EV charging at a minimum of 5% of the total auto parking stalls.
5.5	Each Facility shall designate a Compliance Officer responsible for implementing the measures described herein and/or in the project conditions of approval and mitigation measures. Contact information should be provided to the County and updated annually, and signs should be posted in visible locations providing the contact information for the Compliance Officer to the surrounding community. These signs shall also identify the website and contact information for the SCAQMD.	A designated Compliance Officer will be appointed for the facility to ensure compliance with these and other applicable requirements and contact information will be provided to the County on an annual basis. Signs will be posted in order to identify the Compliance Officer's contact information, as well as contact information for the SCAQMD. Under MM AQ-7, each facility is required to designate a compliance officer responsible for implementing these measures.

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5 CERTIFICATIONS

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed Stoneridge Commerce Center Specific Plan. 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

Haseeb Qureshi
Principal
URBAN CROSSROADS, INC.
hqureshi@urbanxroads.com

EDUCATION

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

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

PROFESSIONAL AFFILIATIONS

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

PROFESSIONAL CERTIFICATIONS

Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
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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/m³)	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry
	8 Hour	0.070 ppm (137 µg/m³)		0.070 ppm (137 µg/m³)		
Respirable Particulate Matter (PM10)[9]	24 Hour	50 µg/m³	Gravimetric or Beta Attenuation	150 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	20 µg/m³		—		
Fine Particulate Matter (PM2.5)[9]	24 Hour	—	—	35 µg/m³	Same as Primary Standard	Inertial Separation and Gravimetric Analysis
	Annual Arithmetic Mean	12 µg/m³	Gravimetric or Beta Attenuation	12.0 µg/m³	15 µg/m³	
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m³)	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m³)	—	Non-Dispersive Infrared Photometry (NDIR)
	8 Hour	9.0 ppm (10 mg/m³)		9 ppm (10 mg/m³)	—	
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m³)		—	—	
Nitrogen Dioxide (NO_2)[10]	1 Hour	0.18 ppm (339 µg/m³)	Gas Phase Chemiluminescence	100 ppb (188 µg/m³)	—	Gas Phase Chemiluminescence
	Annual Arithmetic Mean	0.030 ppm (57 µg/m³)		0.053 ppm (100 µg/m³)	Same as Primary Standard	
Sulfur Dioxide (SO_2)[11]	1 Hour	0.25 ppm (655 µg/m³)	Ultraviolet Fluorescence	75 ppb (196 µg/m³)	—	Ultraviolet Flourescence; Spectrophotometry (Pararosaniline Method)
	3 Hour	—		—	0.5 ppm (1300 µg/m³)	
	24 Hour	0.04 ppm (105 µg/m³)		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/m³	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption
	Calendar Quarter	—		1.5 µg/m³ (for certain areas)[12]	Same as Primary Standard	
	Rolling 3-Month Average	—		0.15 µg/m³		
Visibility Reducing Particles[14]	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	**No National Standards**		
Sulfates	24 Hour	25 µg/m³	Ion Chromatography			
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m³)	Ultraviolet Fluorescence			
Vinyl Chloride[12]	24 Hour	0.01 ppm (26 µg/m³)	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 $\mu g/m^3$ 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 $\mu g/m^3$ to 12.0 $\mu g/m^3$. The existing national 24-hour PM2.5 standards (primary and secondary) were retained at 35 $\mu g/m^3$, as was the annual secondary standard of 15 $\mu g/m^3$. The existing 24-hour PM10 standards (primary and secondary) of 150 $\mu g/m^3$ 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 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 $\mu g/m^3$ 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

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

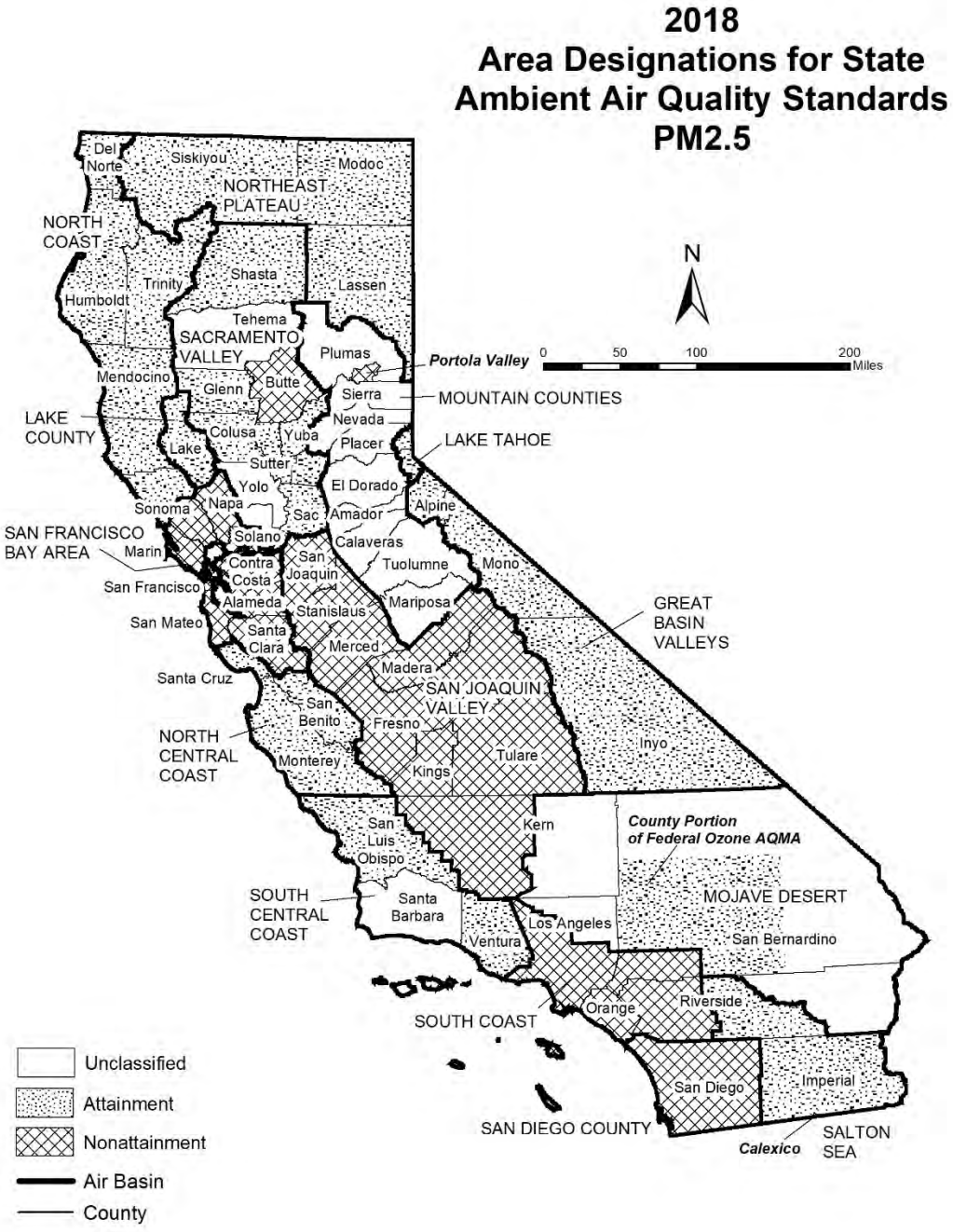
Source Date:
October 2018
Air Quality Planning and Science Division

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



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)

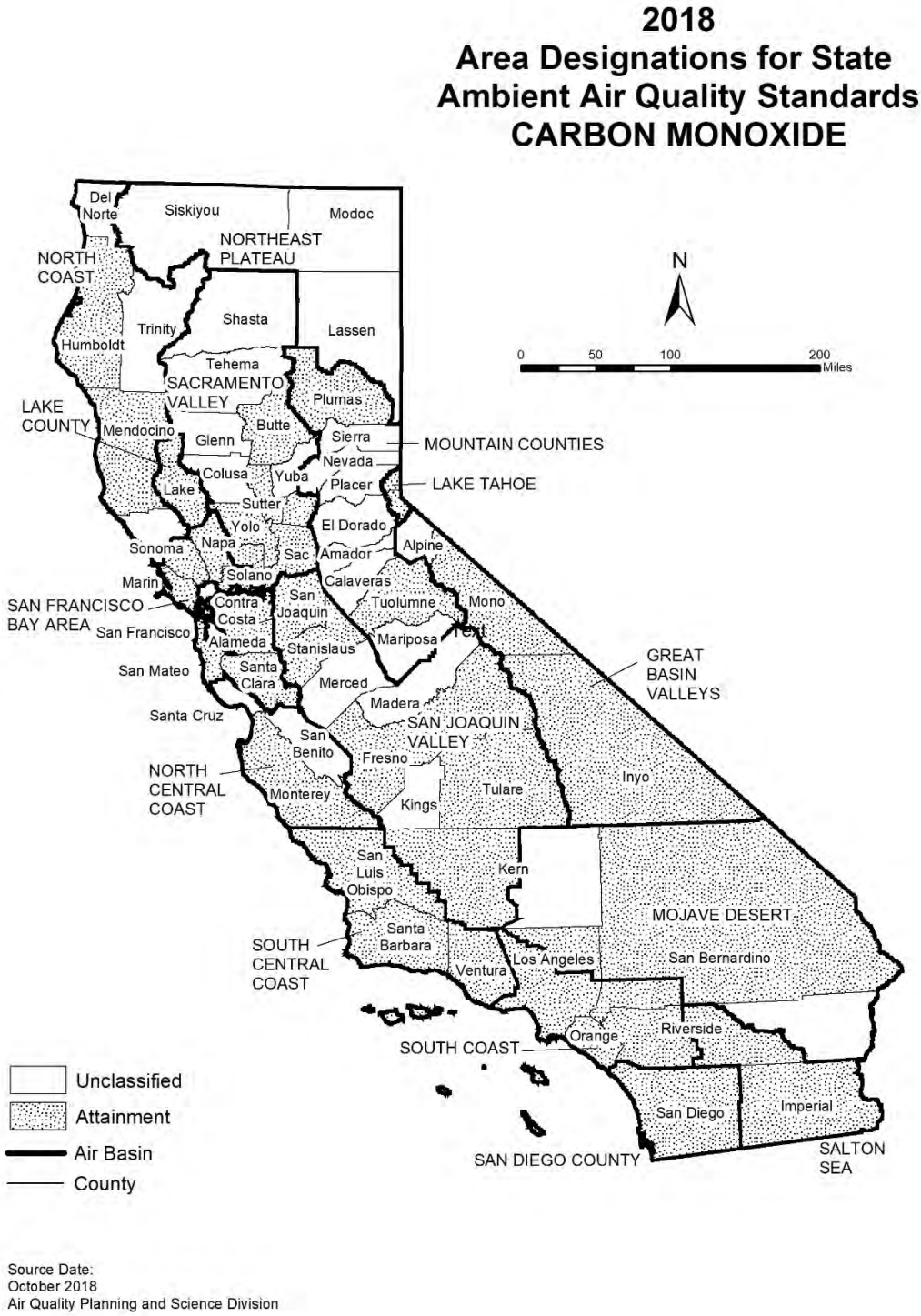
	N	U	A		N	U	A
GREAT BASIN VALLEYS AIR BASIN			X	SALTON SEA AIR BASIN			
LAKE COUNTY AIR BASIN			X	Imperial County			
LAKE TAHOE AIR BASIN			X	- City of Calexico (3)	X		
MOJAVE DESERT AIR BASIN				Remainder of Air Basin			X
San Bernardino County				SAN DIEGO AIR BASIN	X		
- County portion of federal Southeast 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



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

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

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

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

Source Date:
October 2018
Air Quality Planning and Science Division

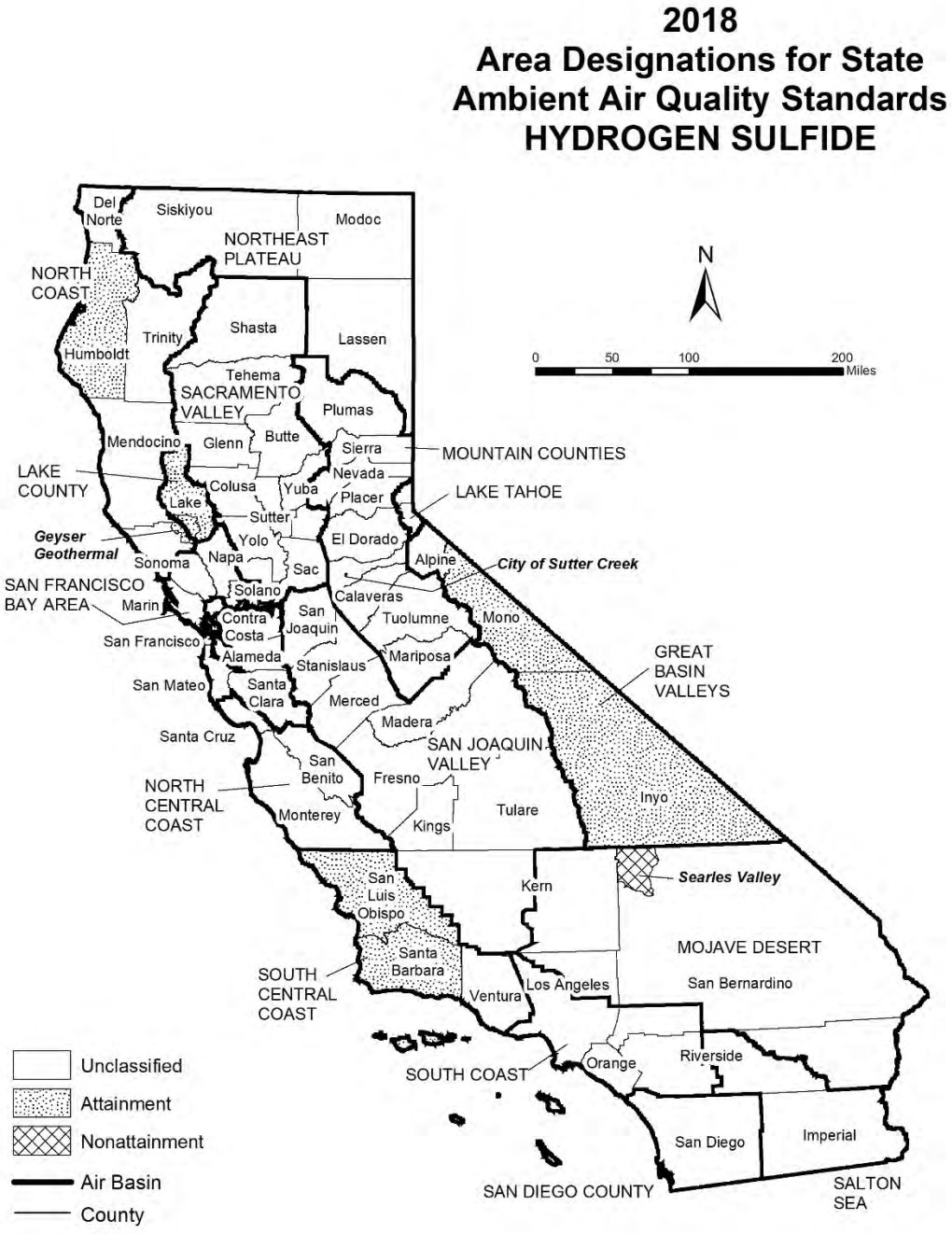
TABLE 8

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



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 (PM_{10}). The U.S. EPA uses three categories to designate areas with respect to PM_{10}:

- Attainment
- Nonattainment
- Unclassifiable

Ozone, Fine Suspended Particulate Matter ($PM_{2.5}$), Carbon Monoxide (CO), and Nitrogen Dioxide (NO_2). 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 $\mu g/m^3$. 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 $\mu g/m^3$ as well as the 24-hour standard of 35 $\mu g/m^3$, revised in 2006.

On January 22, 2010, the U.S. EPA established a new national 1-hour NO_2 standard of 100 parts per billion (ppb) and retained the annual average standard of 53 ppb. Designations for the primary NO_2 standard became effective on February 29, 2012. All areas of California meet this standard.

Sulfur Dioxide (SO_2). 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 SO_2 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 SO_2 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/m^3. 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

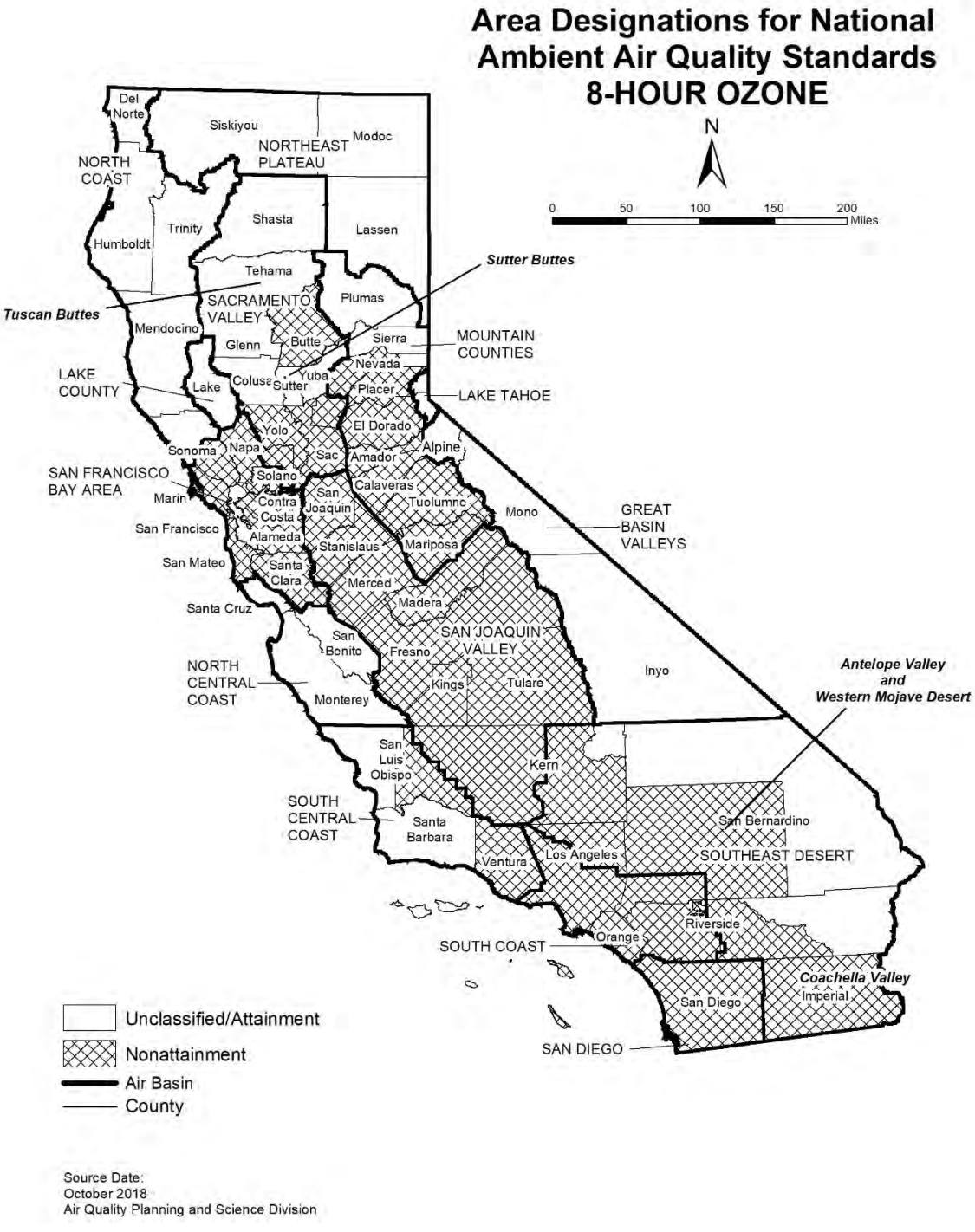

Area Designations for National Ambient Air Quality Standards
8-HOUR OZONE
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
Sutter Buttes
Tuscan Buttes
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Lake
Colusa
Sutter
Yuba
Placer
LAKE TAHOE
Yolo
El Dorado
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Marin
Contra Costa
San Joaquin
Calaveras
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
San Benito
SAN JOAQUIN VALLEY
Fresno
Inyo
Antelope Valley and Western Mojave Desert
NORTH CENTRAL COAST
Monterey
Kings
Tulare
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
SOUTHEAST DESERT
Riverside
Orange
SOUTH COAST
Coachella Valley
Imperial
San Diego
SAN DIEGO
Unclassified/Attainment
Nonattainment
Air Basin
County
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
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Shasta
Lassen
Trinity
Humboldt
Tehema
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Colusa
Yuba
Placer
LAKE TAHOE
Lake
Sutter
Yolo
El Dorado
Alpine
Sacramento County
Sonoma
Napa
Sac
Amador
Mono
Mono Basin
SAN FRANCISCO BAY AREA
Marin
Solano
Calaveras
Contra Costa
San Joaquin
Tuolumne
Mammoth Lake
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Inyo
Santa Cruz
San Benito
Fresno
SAN JOAQUIN VALLEY
Owens Valley
Coso Junction
Trona
NORTH CENTRAL COAST
Monterey
Kings
Tulare
San Luis Obispo
Kern
Indian Wells Valley
San Bernardino
SOUTH CENTRAL COAST
Santa Barbara
Ventura
Los Angeles
SOUTHEAST DESERT
Riverside
Coachella Valley
Orange
SOUTH COAST
Imperial
San Diego
SAN DIEGO COUNTY
Unclassified
Attainment
Nonattainment
Air Basin
County
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
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTH COAST
NORTHEAST PLATEAU
Humboldt
Trinity
Shasta
Lassen
Tehama
SACRAMENTO VALLEY
Plumas
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Mendocino
Nevada
LAKE COUNTY
Colusa
Yuba
Placer
Lake
Sutter
LAKE TAHOE
El Dorado
Yolo
Sonoma
Napa
Sacramento
Alpine
Amador
Solano
Calaveras
SAN FRANCISCO BAY AREA
Marin
Tuolumne
GREAT BASIN VALLEYS
Contra Costa
San Joaquin
Mono
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
Fresno
NORTH CENTRAL COAST
San Benito
SAN JOAQUIN VALLEY
Inyo
Tulare
Monterey
Kings
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
SOUTHEAST DESERT
Ventura
Los Angeles
Orange
Riverside
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Nonattainment
Air Basin
County
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

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
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehema
Plumas
SACRAMENTO VALLEY
Mendocino
Glenn
Butte
Sierra
Nevada
MOUNTAIN COUNTIES
Colusa
Yuba
Placer
LAKE COUNTY
Lake
Sutter
LAKE TAHOE
Yolo
El Dorado
Napa
Alpine
Sonoma
Sac
Amador
SAN FRANCISCO BAY AREA
Solano
Marin
Calaveras
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Santa Cruz
Madera
SAN JOAQUIN VALLEY
San Benito
Fresno
NORTH CENTRAL COAST
Tulare
Inyo
Monterey
Kings
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
SOUTHEAST DESERT
Los Angeles
San Bernardino
Ventura
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Air Basin
County
Source Date:
October 2018
Air Quality Planning and Science Division

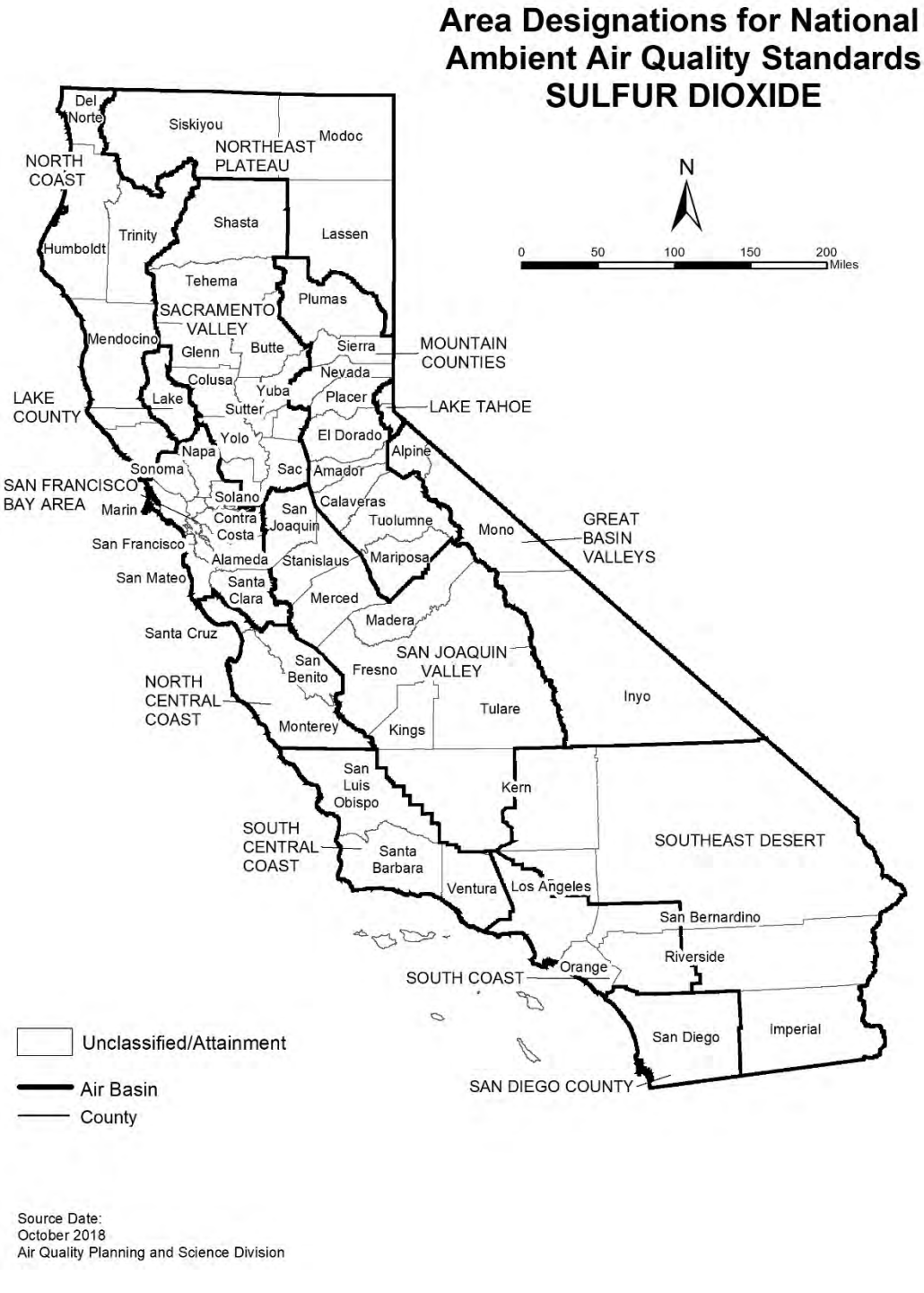
TABLE 15

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



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 SO_2 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

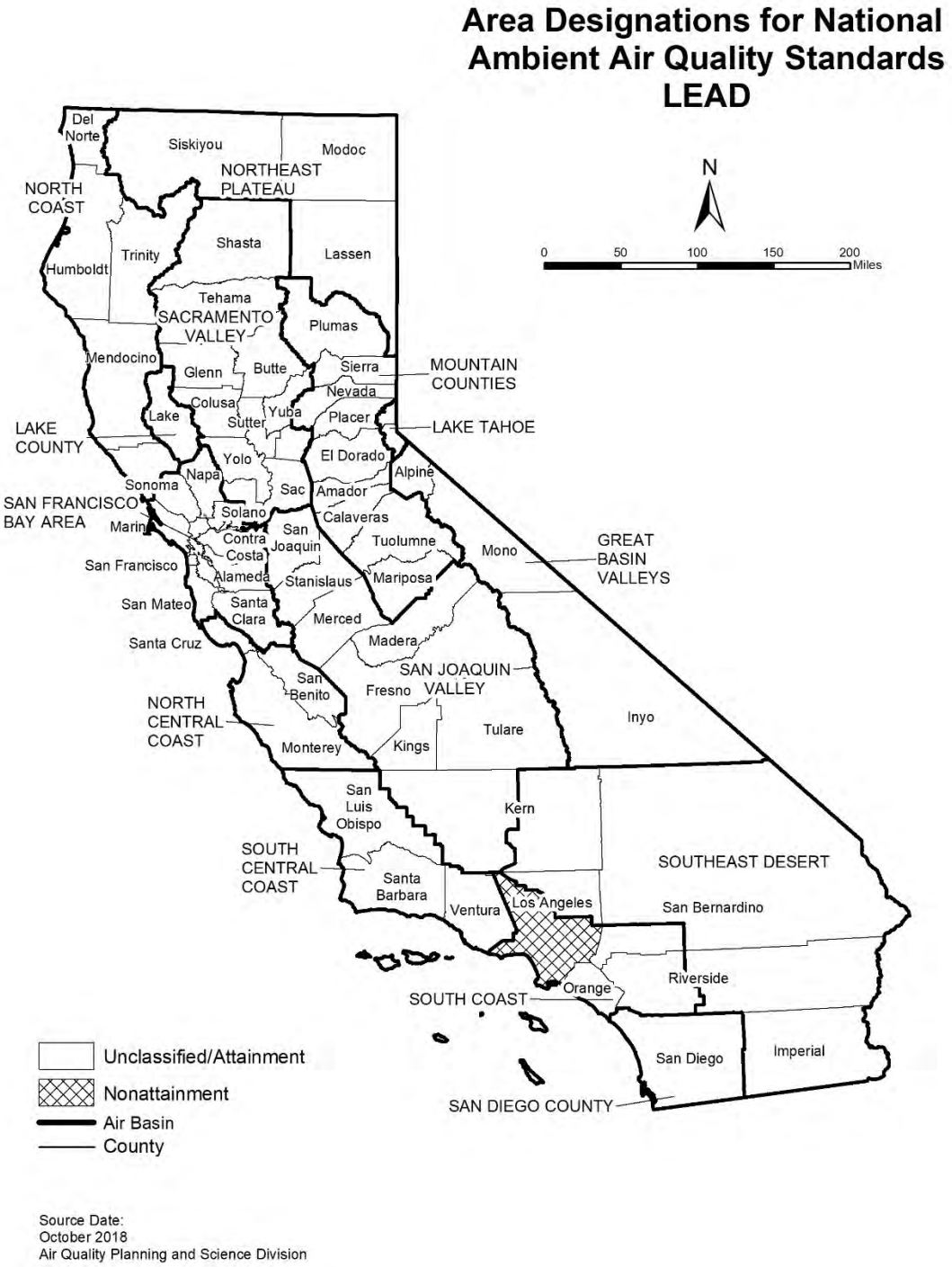

Area Designations for National Ambient Air Quality Standards
LEAD
N
0 50 100 150 200
Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Shasta
Lassen
Trinity
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
Colusa
Lake
Sutter
Yuba
Placer
LAKE TAHOE
LAKE COUNTY
Yolo
El Dorado
Napa
Alpine
Sonoma
Sac
Amador
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
San Joaquin
Contra Costa
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Santa Cruz
Madera
SAN JOAQUIN VALLEY
San Benito
Fresno
NORTH CENTRAL COAST
Inyo
Tulare
Monterey
Kings
San Luis Obispo
Kern
SOUTH CENTRAL COAST
SOUTHEAST DESERT
Santa Barbara
Ventura
Los Angeles
San Bernardino
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Nonattainment
Air Basin
County
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 3.1:

CALEEMOD PROJECT CONSTRUCTION EMISSIONS MODEL OUTPUTS

13265 Stoneridge Construction Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	13265 Stoneridge Construction
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	0.20
Location	33.823791796404166, -117.16992794449044
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5500
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Refrigerated Warehouse-No Rail	2,940	1000sqft	67.5	2,940,000	2,316,569	—	—	—
Unrefrigerated Warehouse-No Rail	4,103	1000sqft	94.2	4,102,759	0.00	—	—	—

Manufacturing	735	1000sqft	16.9	735,000	0.00	—	—	—
Industrial Park	642	1000sqft	14.7	641,639	0.00	—	—	—
Free-Standing Discount Superstore	100	1000sqft	2.30	100,000	0.00	—	—	—
Strip Mall	22.0	1000sqft	0.50	21,968	0.00	—	—	—
Other Asphalt Surfaces	34.4	Acre	34.4	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	31.4	Acre	31.4	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.	22.6	47.3	58.1	375	0.30	0.60	64.8	65.4	0.60	15.5	16.1	—	97,537	97,537	3.53	6.65	282	99,889
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	21.6	46.2	61.4	300	0.30	0.60	64.8	65.4	0.60	15.5	16.1	—	92,763	92,763	1.86	6.74	7.32	94,827
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	14.8	32.4	42.8	209	0.22	0.43	46.4	46.8	0.43	11.1	11.6	—	65,637	65,637	1.28	4.61	78.6	67,116

Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	2.70	5.91	7.82	38.1	0.04	0.08	8.47	8.55	0.08	2.03	2.11	—	10,867	10,867	0.21	0.76	13.0	11,112

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	1.48	1.35	11.0	64.7	0.13	0.28	13.0	13.3	0.28	5.83	6.11	—	16,259	16,259	0.57	0.81	14.6	16,531
2024	1.99	1.80	21.0	79.3	0.20	0.41	8.73	9.14	0.41	2.88	3.28	—	24,472	24,472	0.79	1.71	31.1	25,032
2025	1.98	1.70	20.5	78.9	0.20	0.41	8.73	9.14	0.41	2.88	3.28	—	24,307	24,307	0.79	1.70	30.7	24,864
2026	22.6	47.3	58.1	375	0.30	0.60	64.8	65.4	0.60	15.5	16.1	—	97,537	97,537	3.53	6.65	282	99,889
2027	21.7	46.3	55.0	352	0.30	0.60	64.8	65.4	0.60	15.5	16.1	—	95,898	95,898	1.69	6.43	255	98,111
2028	21.0	45.7	53.4	332	0.30	0.60	64.8	65.4	0.60	15.5	16.1	—	94,155	94,155	1.47	6.43	229	96,338
2029	18.5	45.0	50.4	314	0.30	0.60	64.8	65.4	0.60	15.5	16.1	—	92,400	92,400	1.38	6.21	205	94,490
2030	17.6	42.4	47.3	296	0.30	0.60	64.8	65.4	0.60	15.5	16.1	—	90,646	90,646	1.38	6.21	182	92,713
2031	16.7	41.7	46.2	282	0.30	0.60	64.8	65.4	0.38	15.5	15.9	—	88,926	88,926	1.28	4.23	160	90,379
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	1.46	1.33	11.3	64.0	0.13	0.28	13.0	13.3	0.28	5.83	6.11	—	16,220	16,220	0.57	0.81	0.38	16,478
2024	1.96	1.77	21.6	78.6	0.20	0.41	13.0	13.3	0.41	5.83	6.11	—	24,432	24,432	0.79	1.71	0.81	24,964
2025	1.94	1.67	21.0	78.2	0.20	0.41	8.73	9.14	0.41	2.88	3.28	—	24,268	24,268	0.79	1.70	0.80	24,796
2026	21.6	46.2	61.4	300	0.30	0.60	64.8	65.4	0.60	15.5	16.1	—	92,763	92,763	1.86	6.74	7.32	94,827
2027	20.7	45.3	58.3	282	0.30	0.60	64.8	65.4	0.60	15.5	16.1	—	91,225	91,225	1.77	6.43	6.62	93,191
2028	18.3	44.7	56.7	267	0.30	0.60	64.8	65.4	0.60	15.5	16.1	—	89,578	89,578	1.57	6.43	5.96	91,539
2029	17.6	42.3	53.5	252	0.30	0.60	64.8	65.4	0.60	15.5	16.1	—	87,916	87,916	1.47	6.21	5.33	89,809

2030	16.9	41.6	50.7	241	0.30	0.60	64.8	65.4	0.60	15.5	16.1	—	86,246	86,246	1.47	6.21	4.72	88,138
2031	15.9	40.9	47.5	228	0.30	0.60	64.8	65.4	0.38	15.5	15.9	—	84,603	84,603	1.38	5.99	4.16	86,427
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.53	0.48	4.09	23.1	0.05	0.10	4.70	4.80	0.10	2.10	2.20	—	5,842	5,842	0.20	0.29	2.28	5,937
2024	1.34	1.21	14.1	54.3	0.13	0.27	6.83	7.11	0.27	2.46	2.73	—	16,384	16,384	0.54	1.10	8.62	16,734
2025	1.35	1.17	14.6	54.3	0.14	0.28	6.05	6.33	0.28	1.99	2.27	—	16,814	16,814	0.55	1.18	9.20	17,188
2026	12.0	25.7	35.3	173	0.17	0.33	36.1	36.5	0.33	8.67	9.00	—	52,117	52,117	1.04	3.76	67.8	53,332
2027	14.8	32.4	42.8	209	0.22	0.43	46.3	46.7	0.43	11.1	11.5	—	65,637	65,637	1.28	4.59	78.6	67,116
2028	13.1	32.0	40.7	199	0.22	0.43	46.4	46.8	0.43	11.1	11.6	—	64,628	64,628	1.12	4.61	70.9	66,099
2029	12.6	30.2	38.4	188	0.22	0.43	46.3	46.7	0.43	11.1	11.5	—	63,254	63,254	1.05	4.44	63.2	64,665
2030	12.0	29.6	36.1	179	0.22	0.43	46.3	46.7	0.43	11.1	11.5	—	62,052	62,052	1.05	4.44	56.2	63,456
2031	9.90	25.4	30.7	147	0.19	0.37	40.2	40.6	0.23	9.64	9.87	—	52,866	52,866	0.85	3.72	42.9	54,038
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2023	0.10	0.09	0.75	4.21	0.01	0.02	0.86	0.88	0.02	0.38	0.40	—	967	967	0.03	0.05	0.38	983
2024	0.24	0.22	2.56	9.92	0.02	0.05	1.25	1.30	0.05	0.45	0.50	—	2,713	2,713	0.09	0.18	1.43	2,771
2025	0.25	0.21	2.66	9.90	0.03	0.05	1.10	1.16	0.05	0.36	0.42	—	2,784	2,784	0.09	0.20	1.52	2,846
2026	2.19	4.69	6.45	31.7	0.03	0.06	6.60	6.66	0.06	1.58	1.64	—	8,629	8,629	0.17	0.62	11.2	8,830
2027	2.70	5.91	7.82	38.1	0.04	0.08	8.45	8.52	0.08	2.03	2.10	—	10,867	10,867	0.21	0.76	13.0	11,112
2028	2.39	5.84	7.44	36.3	0.04	0.08	8.47	8.55	0.08	2.03	2.11	—	10,700	10,700	0.19	0.76	11.7	10,943
2029	2.29	5.52	7.00	34.3	0.04	0.08	8.45	8.52	0.08	2.03	2.10	—	10,472	10,472	0.17	0.73	10.5	10,706
2030	2.18	5.40	6.60	32.6	0.04	0.08	8.45	8.52	0.08	2.03	2.10	—	10,273	10,273	0.17	0.73	9.30	10,506
2031	1.81	4.63	5.60	26.9	0.03	0.07	7.34	7.40	0.04	1.76	1.80	—	8,753	8,753	0.14	0.62	7.10	8,947

3. Construction Emissions Details

3.1. Site Preparation (2023) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	1.04	5.41	59.9	0.10	0.21	—	0.21	0.21	—	0.21	—	11,060	11,060	0.45	0.09	—	11,097
Dust From Material Movement	—	—	—	—	—	—	11.3	11.3	—	5.37	5.37	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	1.04	5.41	59.9	0.10	0.21	—	0.21	0.21	—	0.21	—	11,060	11,060	0.45	0.09	—	11,097
Dust From Material Movement	—	—	—	—	—	—	11.3	11.3	—	5.37	5.37	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.37	0.37	1.95	21.6	0.04	0.07	—	0.07	0.07	—	0.07	—	3,982	3,982	0.16	0.03	—	3,996
Dust From Material Movement	—	—	—	—	—	—	4.08	4.08	—	1.93	1.93	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.36	3.94	0.01	0.01	—	0.01	0.01	—	0.01	—	659	659	0.03	0.01	—	662
Dust From Material Movement	—	—	—	—	—	—	0.74	0.74	—	0.35	0.35	—	—	—	—	—	—	—
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	0.20	0.19	0.18	3.17	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	514	514	0.02	0.02	2.20	522
Vendor	0.19	0.11	4.36	1.36	0.03	0.05	0.21	0.27	0.05	0.08	0.13	—	3,738	3,738	0.08	0.56	10.4	3,916
Hauling	0.04	0.02	1.09	0.26	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	948	948	0.02	0.15	1.99	995
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.20	0.18	0.21	2.41	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	472	472	0.02	0.02	0.06	478
Vendor	0.19	0.10	4.57	1.40	0.03	0.05	0.21	0.27	0.05	0.08	0.13	—	3,740	3,740	0.08	0.56	0.27	3,908
Hauling	0.04	0.01	1.14	0.26	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	948	948	0.02	0.15	0.05	994
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.08	0.91	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	172	172	0.01	0.01	0.34	175
Vendor	0.07	0.04	1.66	0.50	0.01	0.02	0.08	0.10	0.02	0.03	0.05	—	1,346	1,346	0.03	0.20	1.63	1,408
Hauling	0.01	0.01	0.41	0.09	< 0.005	0.01	0.02	0.03	0.01	0.01	0.01	—	341	341	0.01	0.05	0.31	358
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	28.5	28.5	< 0.005	< 0.005	0.06	28.9
Vendor	0.01	0.01	0.30	0.09	< 0.005	< 0.005	0.01	0.02	< 0.005	0.01	0.01	—	223	223	< 0.005	0.03	0.27	233
Hauling	< 0.005	< 0.005	0.08	0.02	< 0.005	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	—	56.5	56.5	< 0.005	0.01	0.05	59.3

3.3. Site Preparation (2024) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.04	1.04	5.41	59.9	0.10	0.21	—	0.21	0.21	—	0.21	—	11,058	11,058	0.45	0.09	—	11,096
Dust From Material Movement	—	—	—	—	—	—	11.3	11.3	—	5.37	5.37	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	0.73	8.09	0.01	0.03	—	0.03	0.03	—	0.03	—	1,493	1,493	0.06	0.01	—	1,498
Dust From Material Movement	—	—	—	—	—	—	1.53	1.53	—	0.73	0.73	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.13	1.48	< 0.005	0.01	—	0.01	0.01	—	0.01	—	247	247	0.01	< 0.005	—	248

Dust From Material Movement	—	—	—	—	—	—	0.28	0.28	—	0.13	0.13	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.20	2.21	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	463	463	0.02	0.02	0.05	469
Vendor	0.16	0.10	4.38	1.33	0.03	0.05	0.21	0.27	0.05	0.08	0.13	—	3,697	3,697	0.08	0.56	0.27	3,865
Hauling	0.04	0.01	1.10	0.26	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	935	935	0.02	0.15	0.05	981
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.31	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	63.3	63.3	< 0.005	< 0.005	0.12	64.2
Vendor	0.02	0.01	0.59	0.18	< 0.005	0.01	0.03	0.04	0.01	0.01	0.02	—	499	499	0.01	0.07	0.60	522
Hauling	0.01	< 0.005	0.15	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	126	126	< 0.005	0.02	0.11	133
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	10.5	10.5	< 0.005	< 0.005	0.02	10.6
Vendor	< 0.005	< 0.005	0.11	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	82.6	82.6	< 0.005	0.01	0.10	86.5
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	20.9	20.9	< 0.005	< 0.005	0.02	21.9

3.5. Grading (2024) - Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.30	1.30	8.97	72.3	0.12	0.25	—	0.25	0.25	—	0.25	—	13,430	13,430	0.54	0.11	—	13,476
Dust From Material Movement	—	—	—	—	—	—	5.34	5.34	—	1.96	1.96	—	—	—	—	—	—	—
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	1.30	1.30	8.97	72.3	0.12	0.25	—	0.25	0.25	—	0.25	—	13,430	13,430	0.54	0.11	—	13,476
Dust From Material Movement	—	—	—	—	—	—	5.34	5.34	—	1.96	1.96	—	—	—	—	—	—	—
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	0.76	0.76	5.21	42.0	0.07	0.15	—	0.15	0.15	—	0.15	—	7,806	7,806	0.32	0.06	—	7,832
Dust From Material Movement	—	—	—	—	—	—	3.10	3.10	—	1.14	1.14	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	0.95	7.67	0.01	0.03	—	0.03	0.03	—	0.03	—	1,292	1,292	0.05	0.01	—	1,297

Dust From Material Movement	—	—	—	—	—	—	0.57	0.57	—	0.21	0.21	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.22	0.21	0.19	3.34	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	576	576	0.02	0.02	2.28	585
Vendor	0.43	0.28	10.8	3.36	0.07	0.14	0.55	0.69	0.14	0.21	0.35	—	9,532	9,532	0.21	1.43	26.9	9,989
Hauling	0.04	0.01	1.06	0.25	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	935	935	0.02	0.15	1.98	982
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.21	0.19	0.23	2.52	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	529	529	0.03	0.02	0.06	536
Vendor	0.41	0.27	11.3	3.44	0.07	0.14	0.55	0.69	0.14	0.21	0.35	—	9,538	9,538	0.21	1.43	0.70	9,971
Hauling	0.04	0.01	1.10	0.26	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	935	935	0.02	0.15	0.05	981
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.11	0.13	1.54	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	311	311	0.01	0.01	0.57	316
Vendor	0.24	0.16	6.56	1.98	0.04	0.08	0.32	0.40	0.08	0.12	0.20	—	5,541	5,541	0.12	0.83	6.71	5,799
Hauling	0.02	0.01	0.64	0.15	< 0.005	0.01	0.04	0.05	0.01	0.01	0.02	—	543	543	0.01	0.09	0.49	570
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.28	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	51.6	51.6	< 0.005	< 0.005	0.09	52.3
Vendor	0.04	0.03	1.20	0.36	0.01	0.01	0.06	0.07	0.01	0.02	0.04	—	917	917	0.02	0.14	1.11	960
Hauling	< 0.005	< 0.005	0.12	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	90.0	90.0	< 0.005	0.01	0.08	94.4

3.7. Grading (2025) - Unmitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.30	1.30	8.97	72.3	0.12	0.25	—	0.25	0.25	—	0.25	—	13,431	13,431	0.54	0.11	—	13,477
Dust From Material Movement	—	—	—	—	—	—	5.34	5.34	—	1.96	1.96	—	—	—	—	—	—	—
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	1.30	1.30	8.97	72.3	0.12	0.25	—	0.25	0.25	—	0.25	—	13,431	13,431	0.54	0.11	—	13,477
Dust From Material Movement	—	—	—	—	—	—	5.34	5.34	—	1.96	1.96	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	0.90	6.21	50.1	0.09	0.17	—	0.17	0.17	—	0.17	—	9,304	9,304	0.38	0.08	—	9,336
Dust From Material Movement	—	—	—	—	—	—	3.70	3.70	—	1.36	1.36	—	—	—	—	—	—	—
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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.16	1.13	9.15	0.02	0.03	—	0.03	0.03	—	0.03	—	1,540	1,540	0.06	0.01	—	1,546
Dust From Material Movement	—	—	—	—	—	—	0.67	0.67	—	0.25	0.25	—	—	—	—	—	—	—
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	0.22	0.18	0.18	3.09	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	564	564	0.02	0.02	2.07	572
Vendor	0.42	0.20	10.3	3.21	0.07	0.14	0.55	0.69	0.14	0.21	0.35	—	9,392	9,392	0.21	1.43	26.7	9,850
Hauling	0.04	0.01	1.02	0.25	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	920	920	0.02	0.14	1.96	965
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.17	0.19	2.33	0.00	0.00	0.03	0.03	0.00	0.00	0.00	—	518	518	0.02	0.02	0.05	525
Vendor	0.41	0.19	10.8	3.29	0.07	0.14	0.55	0.69	0.14	0.21	0.35	—	9,399	9,399	0.21	1.43	0.69	9,830
Hauling	0.04	0.01	1.07	0.25	0.01	0.02	0.06	0.08	0.02	0.02	0.04	—	920	920	0.02	0.14	0.05	964
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.15	1.71	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	364	364	0.02	0.01	0.62	369
Vendor	0.29	0.14	7.47	2.25	0.05	0.10	0.38	0.48	0.10	0.14	0.24	—	6,509	6,509	0.14	0.99	8.00	6,815
Hauling	0.03	0.01	0.75	0.17	< 0.005	0.01	0.04	0.06	0.01	0.02	0.03	—	637	637	0.01	0.10	0.58	668
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.03	0.31	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	60.2	60.2	< 0.005	< 0.005	0.10	61.0
Vendor	0.05	0.03	1.36	0.41	0.01	0.02	0.07	0.09	0.02	0.03	0.04	—	1,078	1,078	0.02	0.16	1.32	1,128
Hauling	< 0.005	< 0.005	0.14	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	106	106	< 0.005	0.02	0.10	111

3.9. 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	0.50	0.50	4.29	31.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,260	5,260	0.21	0.04	—	5,278
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	4.29	31.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,260	5,260	0.21	0.04	—	5,278
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.28	0.28	2.39	17.5	0.03	0.05	—	0.05	0.05	—	0.05	—	2,934	2,934	0.12	0.02	—	2,944
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	0.44	3.19	0.01	0.01	—	0.01	0.01	—	0.01	—	486	486	0.02	< 0.005	—	487
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	16.8	15.1	14.0	257	0.00	0.00	2.92	2.92	0.00	0.00	0.00	—	49,306	49,306	2.09	1.69	167	50,030
Vendor	1.34	0.63	31.3	9.71	0.22	0.44	1.75	2.19	0.44	0.66	1.10	—	29,319	29,319	0.65	4.53	80.2	30,766
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	16.0	14.3	15.6	195	0.00	0.00	2.92	2.92	0.00	0.00	0.00	—	45,338	45,338	0.71	1.77	4.34	45,888
Vendor	1.30	0.58	32.7	9.97	0.22	0.44	1.75	2.19	0.44	0.66	1.10	—	29,341	29,341	0.65	4.53	2.08	30,709
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	8.90	7.91	9.54	114	0.00	0.00	1.63	1.63	0.00	0.00	0.00	—	25,607	25,607	0.40	0.99	40.2	25,952
Vendor	0.73	0.33	18.3	5.49	0.12	0.24	0.98	1.22	0.24	0.37	0.61	—	16,357	16,357	0.36	2.53	19.2	17,139
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	1.62	1.44	1.74	20.7	0.00	0.00	0.30	0.30	0.00	0.00	0.00	—	4,240	4,240	0.07	0.16	6.66	4,297
Vendor	0.13	0.06	3.34	1.00	0.02	0.04	0.18	0.22	0.04	0.07	0.11	—	2,708	2,708	0.06	0.42	3.18	2,837
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.11. Building Construction (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	0.50	0.50	4.29	31.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,259	5,259	0.21	0.04	—	5,277
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	0.50	0.50	4.29	31.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,259	5,259	0.21	0.04	—	5,277
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	0.36	0.36	3.06	22.4	0.04	0.07	—	0.07	0.07	—	0.07	—	3,757	3,757	0.15	0.03	—	3,770
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.56	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	622	622	0.03	0.01	—	624
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	16.1	14.3	12.4	237	0.00	0.00	2.92	2.92	0.00	0.00	0.00	—	48,393	48,393	0.55	1.69	150	49,062
Vendor	1.30	0.61	30.1	9.45	0.22	0.44	1.75	2.19	0.44	0.66	1.10	—	28,783	28,783	0.67	4.31	73.3	30,158
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	15.3	13.6	14.0	180	0.00	0.00	2.92	2.92	0.00	0.00	0.00	—	44,507	44,507	0.63	1.69	3.90	45,032

Vendor	1.28	0.56	31.5	9.73	0.22	0.44	1.75	2.19	0.44	0.66	1.10	—	28,805	28,805	0.65	4.31	1.90	30,108
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	11.0	9.68	11.1	135	0.00	0.00	2.08	2.08	0.00	0.00	0.00	—	32,193	32,193	0.45	1.21	46.3	32,611
Vendor	0.93	0.42	22.4	6.86	0.16	0.31	1.25	1.56	0.31	0.47	0.78	—	20,566	20,566	0.48	3.08	22.6	21,518
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	2.00	1.77	2.02	24.6	0.00	0.00	0.38	0.38	0.00	0.00	0.00	—	5,330	5,330	0.07	0.20	7.67	5,399
Vendor	0.17	0.08	4.09	1.25	0.03	0.06	0.23	0.29	0.06	0.09	0.14	—	3,405	3,405	0.08	0.51	3.74	3,563
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.13. Building Construction (2028) - 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	0.50	0.50	4.29	31.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,260	5,260	0.21	0.04	—	5,278
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	4.29	31.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,260	5,260	0.21	0.04	—	5,278
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.36	0.36	3.07	22.5	0.04	0.07	—	0.07	0.07	—	0.07	—	3,768	3,768	0.15	0.03	—	3,781
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.56	4.10	0.01	0.01	—	0.01	0.01	—	0.01	—	624	624	0.03	0.01	—	626
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	15.6	13.9	12.3	221	0.00	0.00	2.92	2.92	0.00	0.00	0.00	—	47,489	47,489	0.55	1.69	135	48,143
Vendor	1.30	0.61	28.6	9.23	0.22	0.44	1.75	2.19	0.44	0.66	1.10	—	28,131	28,131	0.46	4.31	66.7	29,494
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	13.4	13.1	14.0	167	0.00	0.00	2.92	2.92	0.00	0.00	0.00	—	43,683	43,683	0.63	1.69	3.50	44,207
Vendor	1.26	0.56	30.0	9.47	0.22	0.44	1.75	2.19	0.44	0.66	1.10	—	28,154	28,154	0.46	4.31	1.73	29,452
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	9.54	9.31	9.99	126	0.00	0.00	2.09	2.09	0.00	0.00	0.00	—	31,683	31,683	0.45	1.21	41.7	32,097
Vendor	0.92	0.42	21.6	6.70	0.16	0.31	1.25	1.57	0.31	0.47	0.78	—	20,156	20,156	0.33	3.09	20.6	21,105
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	1.74	1.70	1.82	23.0	0.00	0.00	0.38	0.38	0.00	0.00	0.00	—	5,245	5,245	0.07	0.20	6.90	5,314

Vendor	0.17	0.08	3.94	1.22	0.03	0.06	0.23	0.29	0.06	0.09	0.14	—	3,337	3,337	0.05	0.51	3.41	3,494
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. Building Construction (2029) - 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	0.50	0.50	4.29	31.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,259	5,259	0.21	0.04	—	5,277
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	0.50	0.50	4.29	31.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,259	5,259	0.21	0.04	—	5,277
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	0.36	0.36	3.06	22.4	0.04	0.07	—	0.07	0.07	—	0.07	—	3,756	3,756	0.15	0.03	—	3,769
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.56	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	622	622	0.03	0.01	—	624
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	13.5	13.2	10.7	207	0.00	0.00	2.92	2.92	0.00	0.00	0.00	—	46,646	46,646	0.47	1.69	120	47,283
Vendor	1.30	0.61	27.6	8.99	0.22	0.44	1.75	2.19	0.44	0.66	1.10	—	27,397	27,397	0.46	4.09	59.5	28,688
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	12.8	11.1	12.3	155	0.00	0.00	2.92	2.92	0.00	0.00	0.00	—	42,916	42,916	0.55	1.69	3.13	43,438
Vendor	1.26	0.56	28.8	9.22	0.22	0.44	1.75	2.19	0.44	0.66	1.10	—	27,420	27,420	0.46	4.09	1.55	28,652
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	9.12	7.91	8.81	117	0.00	0.00	2.08	2.08	0.00	0.00	0.00	—	31,040	31,040	0.39	1.21	37.1	31,448
Vendor	0.91	0.42	20.7	6.51	0.16	0.31	1.25	1.56	0.31	0.47	0.78	—	19,576	19,576	0.33	2.92	18.4	20,474
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	1.66	1.44	1.61	21.4	0.00	0.00	0.38	0.38	0.00	0.00	0.00	—	5,139	5,139	0.07	0.20	6.14	5,207
Vendor	0.17	0.08	3.77	1.19	0.03	0.06	0.23	0.29	0.06	0.09	0.14	—	3,241	3,241	0.05	0.48	3.04	3,390
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. Building Construction (2030) - 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	0.50	0.50	4.29	31.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,259	5,259	0.21	0.04	—	5,277
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	0.50	0.50	4.29	31.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,259	5,259	0.21	0.04	—	5,277
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	0.36	0.36	3.06	22.4	0.04	0.07	—	0.07	0.07	—	0.07	—	3,756	3,756	0.15	0.03	—	3,769
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.56	4.09	0.01	0.01	—	0.01	0.01	—	0.01	—	622	622	0.03	0.01	—	624
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	12.8	11.2	9.18	192	0.00	0.00	2.92	2.92	0.00	0.00	0.00	—	45,860	45,860	0.47	1.69	107	46,484
Vendor	1.32	0.61	26.4	8.79	0.22	0.44	1.75	2.19	0.44	0.66	1.10	—	26,592	26,592	0.46	4.09	52.6	27,876
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	12.2	10.5	10.8	146	0.00	0.00	2.92	2.92	0.00	0.00	0.00	—	42,200	42,200	0.55	1.69	2.77	42,722

Vendor	1.26	0.56	27.7	9.03	0.22	0.44	1.75	2.19	0.44	0.66	1.10	—	26,615	26,615	0.46	4.09	1.37	27,847
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	8.61	7.40	7.71	110	0.00	0.00	2.08	2.08	0.00	0.00	0.00	—	30,521	30,521	0.39	1.21	33.1	30,925
Vendor	0.93	0.42	19.8	6.36	0.16	0.31	1.25	1.56	0.31	0.47	0.78	—	19,001	19,001	0.33	2.92	16.2	19,897
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	1.57	1.35	1.41	20.1	0.00	0.00	0.38	0.38	0.00	0.00	0.00	—	5,053	5,053	0.07	0.20	5.47	5,120
Vendor	0.17	0.08	3.61	1.16	0.03	0.06	0.23	0.29	0.06	0.09	0.14	—	3,146	3,146	0.05	0.48	2.69	3,294
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

3.19. Building Construction (2031) - 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	0.50	0.50	4.29	31.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,259	5,259	0.21	0.04	—	5,277
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	0.50	0.50	4.29	31.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,259	5,259	0.21	0.04	—	5,277
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.31	0.31	2.66	19.4	0.03	0.06	—	0.06	0.06	—	0.06	—	3,262	3,262	0.13	0.03	—	3,274
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	0.49	3.55	0.01	0.01	—	0.01	0.01	—	0.01	—	540	540	0.02	< 0.005	—	542
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	12.1	10.5	9.10	181	0.00	0.00	2.92	2.92	0.00	0.00	0.00	—	45,143	45,143	0.39	0.24	94.9	45,318
Vendor	1.10	0.61	25.3	8.55	0.22	0.44	1.75	2.19	0.22	0.66	0.88	—	25,740	25,740	0.46	3.87	45.7	26,951
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	11.6	9.89	9.18	136	0.00	0.00	2.92	2.92	0.00	0.00	0.00	—	41,546	41,546	0.47	1.69	2.46	42,065
Vendor	1.04	0.56	26.5	8.79	0.22	0.44	1.75	2.19	0.22	0.66	0.88	—	25,763	25,763	0.46	3.87	1.18	26,930
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	7.19	6.14	6.65	89.1	0.00	0.00	1.81	1.81	0.00	0.00	0.00	—	26,096	26,096	0.29	1.05	25.4	26,442
Vendor	0.67	0.36	16.5	5.38	0.14	0.27	1.09	1.36	0.14	0.41	0.54	—	15,974	15,974	0.28	2.40	12.2	16,709
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	1.31	1.12	1.21	16.3	0.00	0.00	0.33	0.33	0.00	0.00	0.00	—	4,321	4,321	0.05	0.17	4.20	4,378

Vendor	0.12	0.07	3.02	0.98	0.02	0.05	0.20	0.25	0.02	0.07	0.10	—	2,645	2,645	0.05	0.40	2.02	2,766
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. Paving (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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	—	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	2.16	11.8	0.02	0.03	—	0.03	0.03	—	0.03	—	1,685	1,685	0.07	0.01	—	1,691
Paving	—	0.03	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.03	0.39	2.16	< 0.005	0.01	—	0.01	0.01	—	0.01	—	279	279	0.01	< 0.005	—	280
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.13	0.12	2.15	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	414	414	0.02	0.01	1.40	420
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.13	1.63	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	380	380	0.01	0.01	0.04	385
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.07	0.08	0.95	0.00	0.00	0.01	0.01	0.00	0.00	0.00	—	215	215	< 0.005	0.01	0.34	218
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	35.6	35.6	< 0.005	< 0.005	0.06	36.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.23. 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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,022	3,022	0.12	0.02	—	3,033
Paving	—	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,022	3,022	0.12	0.02	—	3,033
Paving	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.76	15.1	0.02	0.04	—	0.04	0.04	—	0.04	—	2,159	2,159	0.09	0.02	—	2,166
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.50	2.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	357	357	0.01	< 0.005	—	359
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.12	0.10	1.99	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	406	406	< 0.005	0.01	1.26	412
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.11	0.12	1.51	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	373	373	0.01	0.01	0.03	378
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.08	0.09	1.13	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	270	270	< 0.005	0.01	0.39	274
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.01	0.02	0.21	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	44.7	44.7	< 0.005	< 0.005	0.06	45.3
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.25. Paving (2028) - 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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,022	3,022	0.12	0.02	—	3,032
Paving	—	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,022	3,022	0.12	0.02	—	3,032
Paving	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.77	15.2	0.02	0.04	—	0.04	0.04	—	0.04	—	2,165	2,165	0.09	0.02	—	2,172
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.51	2.77	< 0.005	0.01	—	0.01	0.01	—	0.01	—	358	358	0.01	< 0.005	—	360
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.13	0.12	0.10	1.86	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	398	398	< 0.005	0.01	1.13	404
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.12	1.40	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	367	367	0.01	0.01	0.03	371
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.08	1.06	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	266	266	< 0.005	0.01	0.35	269
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.02	0.19	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	44.0	44.0	< 0.005	< 0.005	0.06	44.6
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.27. Paving (2029) - 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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	—	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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.76	15.1	0.02	0.04	—	0.04	0.04	—	0.04	—	2,158	2,158	0.09	0.02	—	2,165
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.50	2.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	357	357	0.01	< 0.005	—	359
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.11	0.09	1.74	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	391	391	< 0.005	0.01	1.01	397
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.10	1.30	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	360	360	< 0.005	0.01	0.03	364

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	0.99	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	260	260	< 0.005	0.01	0.31	264
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	43.1	43.1	< 0.005	< 0.005	0.05	43.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.29. Paving (2030) - 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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	—	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.23	0.23	2.76	15.1	0.02	0.04	—	0.04	0.04	—	0.04	—	2,158	2,158	0.09	0.02	—	2,165
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.50	2.76	< 0.005	0.01	—	0.01	0.01	—	0.01	—	357	357	0.01	< 0.005	—	359
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.08	1.61	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	385	385	< 0.005	0.01	0.90	390
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.09	1.23	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	354	354	< 0.005	0.01	0.02	358
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.92	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	256	256	< 0.005	0.01	0.28	259
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.17	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	42.4	42.4	< 0.005	< 0.005	0.05	43.0
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.31. Paving (2031) - 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	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	—	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
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.32	0.32	3.87	21.2	0.03	0.06	—	0.06	0.06	—	0.06	—	3,021	3,021	0.12	0.02	—	3,032
Paving	—	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
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.20	0.20	2.40	13.2	0.02	0.03	—	0.03	0.03	—	0.03	—	1,874	1,874	0.08	0.02	—	1,881
Paving	—	0.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.44	2.40	< 0.005	0.01	—	0.01	0.01	—	0.01	—	310	310	0.01	< 0.005	—	311
Paving	—	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.09	0.08	1.52	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	379	379	< 0.005	< 0.005	0.80	380
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.10	0.08	0.08	1.14	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	349	349	< 0.005	0.01	0.02	353
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.75	0.00	0.00	0.02	0.02	0.00	0.00	0.00	—	219	219	< 0.005	0.01	0.21	222
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.14	0.00	0.00	< 0.005	< 0.005	0.00	0.00	0.00	—	36.3	36.3	< 0.005	< 0.005	0.04	36.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.33. 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	0.06	0.06	1.72	2.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	1.72	2.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.96	1.43	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	199	199	0.01	< 0.005	—	199
Architectural Coatings	—	15.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.18	0.26	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	32.9	32.9	< 0.005	< 0.005	—	33.0
Architectural Coatings	—	2.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	3.37	3.03	2.81	51.3	0.00	0.00	0.58	0.58	0.00	0.00	0.00	—	9,861	9,861	0.42	0.34	33.4	10,006
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.21	2.85	3.13	38.9	0.00	0.00	0.58	0.58	0.00	0.00	0.00	—	9,068	9,068	0.14	0.35	0.87	9,178
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.78	1.58	1.91	22.7	0.00	0.00	0.33	0.33	0.00	0.00	0.00	—	5,121	5,121	0.08	0.20	8.05	5,190
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.32	0.29	0.35	4.15	0.00	0.00	0.06	0.06	0.00	0.00	0.00	—	848	848	0.01	0.03	1.33	859
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.35. 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	0.06	0.06	1.72	2.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	1.72	2.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	1.23	1.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	254	254	0.01	< 0.005	—	255
Architectural Coatings	—	19.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.22	0.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.1	42.1	< 0.005	< 0.005	—	42.2
Architectural Coatings	—	3.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	3.22	2.87	2.48	47.5	0.00	0.00	0.58	0.58	0.00	0.00	0.00	—	9,679	9,679	0.11	0.34	30.1	9,812
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	3.07	2.71	2.81	35.9	0.00	0.00	0.58	0.58	0.00	0.00	0.00	—	8,901	8,901	0.13	0.34	0.78	9,006
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.19	1.94	2.21	26.9	0.00	0.00	0.42	0.42	0.00	0.00	0.00	—	6,439	6,439	0.09	0.24	9.26	6,522
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.35	0.40	4.91	0.00	0.00	0.08	0.08	0.00	0.00	0.00	—	1,066	1,066	0.01	0.04	1.53	1,080
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.37. Architectural Coating (2028) - 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	0.06	0.06	1.72	2.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	1.72	2.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	1.23	1.84	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	255	255	0.01	< 0.005	—	256
Architectural Coatings	—	19.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.23	0.34	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.2	42.2	< 0.005	< 0.005	—	42.4
Architectural Coatings	—	3.58	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	3.11	2.77	2.47	44.3	0.00	0.00	0.58	0.58	0.00	0.00	0.00	—	9,498	9,498	0.11	0.34	26.9	9,629
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.68	2.62	2.79	33.5	0.00	0.00	0.58	0.58	0.00	0.00	0.00	—	8,737	8,737	0.13	0.34	0.70	8,841
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.91	1.86	2.00	25.3	0.00	0.00	0.42	0.42	0.00	0.00	0.00	—	6,337	6,337	0.09	0.24	8.33	6,419
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.35	0.34	0.36	4.61	0.00	0.00	0.08	0.08	0.00	0.00	0.00	—	1,049	1,049	0.01	0.04	1.38	1,063
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.39. Architectural Coating (2029) - 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	0.06	0.06	1.72	2.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	1.72	2.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	1.23	1.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	254	254	0.01	< 0.005	—	255
Architectural Coatings	—	19.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.22	0.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.1	42.1	< 0.005	< 0.005	—	42.2
Architectural Coatings	—	3.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.70	2.65	2.14	41.4	0.00	0.00	0.58	0.58	0.00	0.00	0.00	—	9,329	9,329	0.09	0.34	24.1	9,457
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.55	2.21	2.47	31.1	0.00	0.00	0.58	0.58	0.00	0.00	0.00	—	8,583	8,583	0.11	0.34	0.63	8,688
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.82	1.58	1.76	23.5	0.00	0.00	0.42	0.42	0.00	0.00	0.00	—	6,208	6,208	0.08	0.24	7.42	6,290
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.33	0.29	0.32	4.29	0.00	0.00	0.08	0.08	0.00	0.00	0.00	—	1,028	1,028	0.01	0.04	1.23	1,041
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.41. Architectural Coating (2030) - 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	0.06	0.06	1.72	2.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	1.72	2.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	1.23	1.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	254	254	0.01	< 0.005	—	255
Architectural Coatings	—	19.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.22	0.33	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	42.1	42.1	< 0.005	< 0.005	—	42.2
Architectural Coatings	—	3.57	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.55	2.23	1.84	38.4	0.00	0.00	0.58	0.58	0.00	0.00	0.00	—	9,172	9,172	0.09	0.34	21.4	9,297
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.44	2.10	2.16	29.3	0.00	0.00	0.58	0.58	0.00	0.00	0.00	—	8,440	8,440	0.11	0.34	0.55	8,544
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.72	1.48	1.54	22.0	0.00	0.00	0.42	0.42	0.00	0.00	0.00	—	6,104	6,104	0.08	0.24	6.61	6,185
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.31	0.27	0.28	4.01	0.00	0.00	0.08	0.08	0.00	0.00	0.00	—	1,011	1,011	0.01	0.04	1.09	1,024
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.43. Architectural Coating (2031) - 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	0.06	0.06	1.72	2.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	1.72	2.57	< 0.005	0.01	—	0.01	0.01	—	0.01	—	356	356	0.01	< 0.005	—	357
Architectural Coatings	—	27.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	1.07	1.59	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	221	221	0.01	< 0.005	—	222
Architectural Coatings	—	17.0	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.20	0.29	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	36.6	36.6	< 0.005	< 0.005	—	36.7
Architectural Coatings	—	3.10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.43	2.10	1.82	36.2	0.00	0.00	0.58	0.58	0.00	0.00	0.00	—	9,029	9,029	0.08	0.05	19.0	9,064
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	2.32	1.98	1.84	27.2	0.00	0.00	0.58	0.58	0.00	0.00	0.00	—	8,309	8,309	0.09	0.34	0.49	8,413
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	1.44	1.23	1.33	17.8	0.00	0.00	0.36	0.36	0.00	0.00	0.00	—	5,219	5,219	0.06	0.21	5.07	5,288
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.22	0.24	3.25	0.00	0.00	0.07	0.07	0.00	0.00	0.00	—	864	864	0.01	0.03	0.84	876
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Site Preparation	Site Preparation	7/1/2023	3/9/2024	5.00	180	—
Grading	Grading	3/10/2024	12/20/2025	5.00	465	—
Building Construction	Building Construction	3/22/2026	11/13/2031	5.00	1,474	—
Paving	Paving	3/22/2026	11/13/2031	5.00	1,474	—
Architectural Coating	Architectural Coating	3/22/2026	11/13/2031	5.00	1,474	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	6.00	8.00	367	0.40
Grading	Excavators	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38

Grading	Graders	Diesel	Tier 4 Final	2.00	8.00	148	0.41
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	8.00	367	0.40
Grading	Scrapers	Diesel	Tier 4 Final	4.00	8.00	423	0.48
Building Construction	Cranes	Diesel	Tier 4 Final	2.00	8.00	367	0.29
Building Construction	Forklifts	Diesel	Tier 4 Final	6.00	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Tier 4 Final	2.00	8.00	14.0	0.74
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	6.00	8.00	84.0	0.37
Building Construction	Welders	Diesel	Tier 4 Final	2.00	8.00	46.0	0.45
Paving	Pavers	Diesel	Tier 4 Final	4.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Final	4.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Tier 4 Final	4.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Tier 4 Final	2.00	8.00	37.0	0.48
Site Preparation	Crawler Tractors	Diesel	Tier 4 Final	8.00	8.00	87.0	0.43
Grading	Crawler Tractors	Diesel	Tier 4 Final	4.00	8.00	87.0	0.43

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Site Preparation	—	—	—	—
Site Preparation	Worker	35.0	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	119	10.2	HHDT,MHDT
Site Preparation	Hauling	13.3	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	40.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	307	10.2	HHDT,MHDT

Grading	Hauling	13.3	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	3,575	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	974	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	30.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	0.00	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	715	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	0.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Non-applicable. No control strategies activated by user.

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	0.00	0.00	12,812,049	4,270,683	171,975

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (sq. ft.)	Acres Paved (acres)
Site Preparation	19,221	0.00	1,260	0.00	—
Grading	49,656	0.00	3,720	0.00	—
Paving	0.00	0.00	0.00	0.00	65.8

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Refrigerated Warehouse-No Rail	0.00	0%
Unrefrigerated Warehouse-No Rail	0.00	0%
Manufacturing	0.00	0%
Industrial Park	0.00	0%
Free-Standing Discount Superstore	0.00	0%
Strip Mall	0.00	0%
Other Asphalt Surfaces	34.4	100%
Other Non-Asphalt Surfaces	31.4	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O

2023	0.00	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
2028	0.00	532	0.03	< 0.005
2029	0.00	532	0.03	< 0.005
2030	0.00	532	0.03	< 0.005
2031	0.00	532	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

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	28.5	annual days of extreme heat
Extreme Precipitation	1.90	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	21.3	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

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

Snowpack 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	53.3
AQ-DPM	47.8
Drinking Water	10.2
Lead Risk Housing	22.0
Pesticides	58.8
Toxic Releases	37.7
Traffic	81.9
Effect Indicators	—
CleanUp Sites	69.4
Groundwater	0.00
Haz Waste Facilities/Generators	53.5
Impaired Water Bodies	0.00
Solid Waste	40.1
Sensitive Population	—
Asthma	65.6
Cardio-vascular	90.6
Low Birth Weights	62.9
Socioeconomic Factor Indicators	—
Education	74.7
Housing	57.9
Linguistic	53.4
Poverty	64.5
Unemployment	15.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	36.04516874
Employed	38.00846914
Median HI	53.00911074
Education	—
Bachelor's or higher	28.6154241
High school enrollment	100
Preschool enrollment	5.440780187
Transportation	—
Auto Access	94.58488387
Active commuting	6.723983062
Social	—
2-parent households	87.71974849
Voting	9.636853587
Neighborhood	—
Alcohol availability	84.04978827
Park access	11.88245862
Retail density	29.21852945
Supermarket access	12.06210702
Tree canopy	0.590273322
Housing	—
Homeownership	79.23777749
Housing habitability	40.67753112
Low-inc homeowner severe housing cost burden	12.19042731
Low-inc renter severe housing cost burden	27.61452586
Uncrowded housing	47.8121391

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

Children	35.2
Elderly	90.4
English Speaking	42.3
Foreign-born	59.5
Outdoor Workers	11.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	72.4
Traffic Density	65.3
Traffic Access	23.0
Other Indices	—
Hardship	70.6
Other Decision Support	—
2016 Voting	23.4

7.3. Overall Health & Equity Scores

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Construction: Construction Phases	Construction schedule based on data provided by the Project team.
Construction: Off-Road Equipment	Construction equipment based on data from the Project team
Construction: Trips and VMT	Vendor Trips adjusted based on CalEEMod defaults for Building Construction and number of days for Site Preparation, Grading, and Building Construction.
Construction: Architectural Coatings	Per SCAQMD Rule 1113

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APPENDIX 3.2:

CALEEMOD PROJECT REGIONAL OPERATIONAL EMISSIONS MODEL OUTPUTS

13265 Stoneridge With MCP Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	13265 Stoneridge With MCP
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	0.20
Location	33.823133630598434, -117.16971733141742
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5500
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Refrigerated Warehouse-No Rail	2,940	1000sqft	67.5	2,940,000	2,316,569	—	—	—
Unrefrigerated Warehouse-No Rail	4,050	1000sqft	93.0	4,049,616	0.00	—	—	—

Manufacturing	735	1000sqft	16.9	735,000	0.00	—	—	—
Industrial Park	562	1000sqft	12.9	561,924	0.00	—	—	—
User Defined Industrial	8,287	User Defined Unit	0.00	0.00	0.00	—	—	—
Free-Standing Discount Superstore	100	1000sqft	2.30	100,000	0.00	—	—	—
Strip Mall	26.5	1000sqft	0.61	26,542	0.00	—	—	—
Other Asphalt Surfaces	34.4	Acre	34.4	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	31.4	Acre	31.4	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.	148	331	380	1,091	4.75	10.7	120	131	10.6	24.3	34.9	5,332	604,184	609,516	560	53.4	3,996	643,430
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	80.2	268	393	626	4.62	10.2	120	131	9.95	24.3	34.3	5,332	591,818	597,149	560	53.5	3,141	630,245
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	115	301	365	821	4.20	9.97	107	117	9.82	21.6	31.5	5,332	546,352	551,683	559	48.7	3,458	583,633
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	21.0	54.9	66.5	150	0.77	1.82	19.5	21.3	1.79	3.95	5.74	883	90,455	91,337	92.6	8.06	572	96,627

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	77.1	66.0	322	680	4.40	6.09	120	126	5.81	24.3	30.1	—	463,619	463,619	10.3	50.4	877	479,761
Area	65.2	262	3.08	366	0.02	0.49	—	0.49	0.65	—	0.65	—	1,505	1,505	0.06	0.14	—	1,549
Energy	6.00	3.00	54.5	45.8	0.33	4.14	—	4.14	4.14	—	4.14	—	137,203	137,203	14.9	1.23	—	137,941
Water	—	—	—	—	—	—	—	—	—	—	—	677	1,858	2,535	69.7	1.68	—	4,777
Waste	—	—	—	—	—	—	—	—	—	—	—	4,654	0.00	4,654	465	0.00	—	16,284
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,119	3,119
Total	148	331	380	1,091	4.75	10.7	120	131	10.6	24.3	34.9	5,332	604,184	609,516	560	53.4	3,996	643,430
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	74.2	63.2	338	581	4.30	6.09	120	126	5.81	24.3	30.1	—	452,757	452,757	10.5	50.6	22.8	468,124
Area	—	202	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	6.00	3.00	54.5	45.8	0.33	4.14	—	4.14	4.14	—	4.14	—	137,203	137,203	14.9	1.23	—	137,941
Water	—	—	—	—	—	—	—	—	—	—	—	677	1,858	2,535	69.7	1.68	—	4,777
Waste	—	—	—	—	—	—	—	—	—	—	—	4,654	0.00	4,654	465	0.00	—	16,284
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,119	3,119
Total	80.2	268	393	626	4.62	10.2	120	131	9.95	24.3	34.3	5,332	591,818	597,149	560	53.5	3,141	630,245

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	64.7	54.8	308	524	3.85	5.49	107	112	5.24	21.6	26.9	—	406,260	406,260	9.35	45.7	339	420,451
Area	44.6	243	2.11	251	0.01	0.34	—	0.34	0.45	—	0.45	—	1,031	1,031	0.04	0.10	—	1,061
Energy	6.00	3.00	54.5	45.8	0.33	4.14	—	4.14	4.14	—	4.14	—	137,203	137,203	14.9	1.23	—	137,941
Water	—	—	—	—	—	—	—	—	—	—	—	677	1,858	2,535	69.7	1.68	—	4,777
Waste	—	—	—	—	—	—	—	—	—	—	—	4,654	0.00	4,654	465	0.00	—	16,284
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,119	3,119
Total	115	301	365	821	4.20	9.97	107	117	9.82	21.6	31.5	5,332	546,352	551,683	559	48.7	3,458	583,633
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.8	10.0	56.2	95.7	0.70	1.00	19.5	20.5	0.96	3.95	4.90	—	67,261	67,261	1.55	7.57	56.1	69,610
Area	8.14	44.4	0.38	45.7	< 0.005	0.06	—	0.06	0.08	—	0.08	—	171	171	0.01	0.02	—	176
Energy	1.09	0.55	9.95	8.36	0.06	0.76	—	0.76	0.76	—	0.76	—	22,715	22,715	2.46	0.20	—	22,838
Water	—	—	—	—	—	—	—	—	—	—	—	112	308	420	11.5	0.28	—	791
Waste	—	—	—	—	—	—	—	—	—	—	—	771	0.00	771	77.0	0.00	—	2,696
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	516	516
Total	21.0	54.9	66.5	150	0.77	1.82	19.5	21.3	1.79	3.95	5.74	883	90,455	91,337	92.6	8.06	572	96,627

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigera Warehouse-No Rail	12.0	11.1	5.06	115	0.28	0.09	11.6	11.7	0.09	1.97	2.06	—	28,346	28,346	0.87	0.63	46.5	28,602
Unrefrigerated Warehouse-No Rail	19.2	17.8	8.13	184	0.45	0.15	18.6	18.8	0.14	3.17	3.31	—	45,567	45,567	1.40	1.01	74.7	45,978
Manufacturing	9.70	8.99	4.11	93.0	0.23	0.08	9.40	9.48	0.07	1.60	1.67	—	23,008	23,008	0.71	0.51	37.7	23,216
Industrial Park	4.79	4.44	2.03	45.9	0.11	0.04	4.64	4.68	0.03	0.79	0.82	—	11,359	11,359	0.35	0.25	18.6	11,461
User Defined Industrial	13.1	7.07	288	87.6	2.89	5.46	59.1	64.5	5.22	13.8	19.0	—	309,886	309,886	5.45	46.1	615	324,367
Free-Standing Discount Superstore	15.3	14.0	12.4	130	0.37	0.22	14.3	14.5	0.21	2.52	2.73	—	38,159	38,159	1.30	1.58	70.9	38,732
Strip Mall	2.93	2.68	2.37	24.8	0.07	0.04	2.73	2.77	0.04	0.48	0.52	—	7,295	7,295	0.25	0.30	13.6	7,404
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
Other Non-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
Total	77.1	66.0	322	680	4.40	6.09	120	126	5.81	24.3	30.1	—	463,619	463,619	10.3	50.4	877	479,761
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	11.5	10.6	5.58	95.0	0.26	0.09	11.6	11.7	0.09	1.97	2.06	—	26,202	26,202	0.91	0.67	1.21	26,426

Unrefrigerated	18.5	17.1	8.97	153	0.42	0.15	18.6	18.8	0.14	3.17	3.31	—	42,120	42,120	1.46	1.08	1.94	42,481
Manufacturing	9.34	8.62	4.53	77.1	0.21	0.08	9.40	9.48	0.07	1.60	1.67	—	21,268	21,268	0.74	0.55	0.98	21,450
Industrial Park	4.61	4.26	2.24	38.1	0.10	0.04	4.64	4.68	0.03	0.79	0.82	—	10,500	10,500	0.36	0.27	0.48	10,589
User Defined Industrial	12.8	6.79	301	88.2	2.89	5.46	59.1	64.5	5.23	13.8	19.0	—	309,994	309,994	5.44	46.1	16.0	323,884
Free-Standing Discount Superstore	14.6	13.3	13.3	109	0.35	0.22	14.3	14.5	0.21	2.52	2.73	—	35,825	35,825	1.34	1.62	1.84	36,345
Strip Mall	2.80	2.54	2.54	20.8	0.07	0.04	2.73	2.77	0.04	0.48	0.52	—	6,849	6,849	0.26	0.31	0.35	6,948
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
Other Non-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
Total	74.2	63.2	338	581	4.30	6.09	120	126	5.81	24.3	30.1	—	452,757	452,757	10.5	50.6	22.8	468,124
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	1.82	1.67	0.91	15.7	0.04	0.02	1.85	1.86	0.01	0.31	0.33	—	3,833	3,833	0.13	0.10	2.90	3,869
Unrefrigerated Warehouse-No Rail	3.13	2.89	1.58	27.1	0.07	0.03	3.19	3.21	0.02	0.54	0.57	—	6,616	6,616	0.23	0.17	5.01	6,678
Manufacturing	1.33	1.23	0.67	11.5	0.03	0.01	1.35	1.36	0.01	0.23	0.24	—	2,811	2,811	0.10	0.07	2.13	2,837
Industrial Park	0.73	0.67	0.37	6.31	0.02	0.01	0.74	0.75	0.01	0.13	0.13	—	1,538	1,538	0.05	0.04	1.16	1,553

User Defined Industrial	2.15	1.14	50.2	14.5	0.48	0.90	9.76	10.7	0.86	2.28	3.14	—	46,472	46,472	0.82	6.91	39.8	48,592
Free-Standing Discount Superstore	2.20	2.00	2.05	17.1	0.05	0.03	2.17	2.20	0.03	0.38	0.42	—	4,986	4,986	0.19	0.23	4.22	5,062
Strip Mall	0.44	0.40	0.41	3.45	0.01	0.01	0.44	0.44	0.01	0.08	0.08	—	1,005	1,005	0.04	0.05	0.85	1,020
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
Other Non-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
Total	11.8	10.0	56.2	95.7	0.70	1.00	19.5	20.5	0.96	3.95	4.90	—	67,261	67,261	1.55	7.57	56.1	69,610

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	45,939	45,939	5.81	0.70	—	46,294
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	13,316	13,316	1.69	0.20	—	13,419

Manufact	—	—	—	—	—	—	—	—	—	—	—	—	5,025	5,025	0.64	0.08	—	5,064
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	7,003	7,003	0.89	0.11	—	7,057
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	697	697	0.09	0.01	—	703
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	185	185	0.02	< 0.005	—	186
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	72,166	72,166	9.13	1.11	—	72,724
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	45,939	45,939	5.81	0.70	—	46,294
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	13,316	13,316	1.69	0.20	—	13,419
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	5,025	5,025	0.64	0.08	—	5,064
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	7,003	7,003	0.89	0.11	—	7,057

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	697	697	0.09	0.01	—	703
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	185	185	0.02	< 0.005	—	186
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	72,166	72,166	9.13	1.11	—	72,724
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	7,606	7,606	0.96	0.12	—	7,665
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,205	2,205	0.28	0.03	—	2,222
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	832	832	0.11	0.01	—	838
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,159	1,159	0.15	0.02	—	1,168
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	115	115	0.01	< 0.005	—	116
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	30.6	30.6	< 0.005	< 0.005	—	30.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	11,948	11,948	1.51	0.18	—	12,040

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	2.30	1.15	20.9	17.6	0.13	1.59	—	1.59	1.59	—	1.59	—	24,932	24,932	2.21	0.05	—	25,001
Unrefrigerated Warehouse-No Rail	2.28	1.14	20.8	17.4	0.12	1.58	—	1.58	1.58	—	1.58	—	24,779	24,779	2.19	0.05	—	24,847
Manufacturing	0.93	0.47	8.48	7.12	0.05	0.64	—	0.64	0.64	—	0.64	—	10,117	10,117	0.90	0.02	—	10,145
Industrial Park	0.46	0.23	4.16	3.50	0.02	0.32	—	0.32	0.32	—	0.32	—	4,968	4,968	0.44	0.01	—	4,982

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
Free-Standing Discount Superstore	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	190	190	0.02	< 0.005	—	190
Strip Mall	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.4	50.4	< 0.005	< 0.005	—	50.5
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
Other Non-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
Total	6.00	3.00	54.5	45.8	0.33	4.14	—	4.14	4.14	—	4.14	—	65,036	65,036	5.76	0.12	—	65,217
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	2.30	1.15	20.9	17.6	0.13	1.59	—	1.59	1.59	—	1.59	—	24,932	24,932	2.21	0.05	—	25,001
Unrefrigerated Warehouse-No Rail	2.28	1.14	20.8	17.4	0.12	1.58	—	1.58	1.58	—	1.58	—	24,779	24,779	2.19	0.05	—	24,847
Manufacturing	0.93	0.47	8.48	7.12	0.05	0.64	—	0.64	0.64	—	0.64	—	10,117	10,117	0.90	0.02	—	10,145
Industrial Park	0.46	0.23	4.16	3.50	0.02	0.32	—	0.32	0.32	—	0.32	—	4,968	4,968	0.44	0.01	—	4,982
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

Free-Standing	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	190	190	0.02	< 0.005	—	190
Strip Mall	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.4	50.4	< 0.005	< 0.005	—	50.5
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
Other Non-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
Total	6.00	3.00	54.5	45.8	0.33	4.14	—	4.14	4.14	—	4.14	—	65,036	65,036	5.76	0.12	—	65,217
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	0.42	0.21	3.81	3.20	0.02	0.29	—	0.29	0.29	—	0.29	—	4,128	4,128	0.37	0.01	—	4,139
Unrefrigerated Warehouse-No Rail	0.42	0.21	3.79	3.18	0.02	0.29	—	0.29	0.29	—	0.29	—	4,102	4,102	0.36	0.01	—	4,114
Manufacturing	0.17	0.09	1.55	1.30	0.01	0.12	—	0.12	0.12	—	0.12	—	1,675	1,675	0.15	< 0.005	—	1,680
Industrial Park	0.08	0.04	0.76	0.64	< 0.005	0.06	—	0.06	0.06	—	0.06	—	823	823	0.07	< 0.005	—	825
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
Free-Standing Discount Superstore	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.4	31.4	< 0.005	< 0.005	—	31.5
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.34	8.34	< 0.005	< 0.005	—	8.36
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

Other Non-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
Total	1.09	0.55	9.95	8.36	0.06	0.76	—	0.76	0.76	—	0.76	—	10,768	10,768	0.95	0.02	—	10,797

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	180	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	21.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	65.2	60.1	3.08	366	0.02	0.49	—	0.49	0.65	—	0.65	—	1,505	1,505	0.06	0.14	—	1,549
Total	65.2	262	3.08	366	0.02	0.49	—	0.49	0.65	—	0.65	—	1,505	1,505	0.06	0.14	—	1,549
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	180	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	21.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	202	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	32.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	3.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	8.14	7.52	0.38	45.7	< 0.005	0.06	—	0.06	0.08	—	0.08	—	171	171	0.01	0.02	—	176
Total	8.14	44.4	0.38	45.7	< 0.005	0.06	—	0.06	0.08	—	0.08	—	171	171	0.01	0.02	—	176

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	236	737	973	24.3	0.59	—	1,754
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	325	824	1,149	33.4	0.80	—	2,223
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	58.9	150	208	6.06	0.15	—	403

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	45.0	114	159	4.63	0.11	—	308
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	10.2	25.9	36.1	1.05	0.03	—	69.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.71	6.88	9.59	0.28	0.01	—	18.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	677	1,858	2,535	69.7	1.68	—	4,777
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	236	737	973	24.3	0.59	—	1,754
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	325	824	1,149	33.4	0.80	—	2,223
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	58.9	150	208	6.06	0.15	—	403
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	45.0	114	159	4.63	0.11	—	308

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	10.2	25.9	36.1	1.05	0.03	—	69.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.71	6.88	9.59	0.28	0.01	—	18.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	677	1,858	2,535	69.7	1.68	—	4,777
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	39.0	122	161	4.02	0.10	—	290
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	53.7	136	190	5.53	0.13	—	368
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	9.75	24.8	34.5	1.00	0.02	—	66.8
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	7.46	18.9	26.4	0.77	0.02	—	51.1
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	1.69	4.29	5.98	0.17	< 0.005	—	11.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.45	1.14	1.59	0.05	< 0.005	—	3.07
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	112	308	420	11.5	0.28	—	791

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,489	0.00	1,489	149	0.00	—	5,211
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2,052	0.00	2,052	205	0.00	—	7,178
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	491	0.00	491	49.1	0.00	—	1,719

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	376	0.00	376	37.5	0.00	—	1,314
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	232	0.00	232	23.2	0.00	—	811
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	15.0	0.00	15.0	1.50	0.00	—	52.5
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4,654	0.00	4,654	465	0.00	—	16,284
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,489	0.00	1,489	149	0.00	—	5,211
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2,052	0.00	2,052	205	0.00	—	7,178
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	491	0.00	491	49.1	0.00	—	1,719
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	376	0.00	376	37.5	0.00	—	1,314

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	232	0.00	232	23.2	0.00	—	811
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	15.0	0.00	15.0	1.50	0.00	—	52.5
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4,654	0.00	4,654	465	0.00	—	16,284
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	247	0.00	247	24.6	0.00	—	863
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	340	0.00	340	33.9	0.00	—	1,188
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	81.3	0.00	81.3	8.13	0.00	—	285
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	62.2	0.00	62.2	6.21	0.00	—	218
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.49	0.00	2.49	0.25	0.00	—	8.70
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	771	0.00	771	77.0	0.00	—	2,696

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	68.7	68.7
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.5	52.5
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.14	0.14

Refrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,997	2,997
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,119	3,119
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	68.7	68.7
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.5	52.5
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.14	0.14
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,997	2,997
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,119	3,119
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.4	11.4
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.70	8.70
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.09	0.09
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Refrigerated Warehou Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	496	496
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	516	516

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Refrigerated Warehouse-No Rail	3,837	2,181	2,087	1,222,874	43,623	24,803	23,734	13,904,079
Unrefrigerated Warehouse-No Rail	6,168	4,860	4,783	2,110,741	70,125	55,253	54,378	23,999,123
Manufacturing	3,114	977	649	896,690	35,408	11,106	7,379	10,195,366
Industrial Park	1,537	1,159	566	490,751	17,481	13,174	6,434	5,579,840
User Defined Industrial	4,367	3,025	2,826	1,443,592	133,237	92,280	86,212	44,043,998
Free-Standing Discount Superstore	3,586	4,530	3,948	1,376,994	40,773	51,507	44,889	15,656,419
Strip Mall	866	669	325	277,588	9,847	7,602	3,694	3,156,177
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	12,619,623	4,206,541	171,975

5.10.3. Landscape Equipment

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Refrigerated Warehouse-No Rail	64,296,476	261	0.0330	0.0040	77,795,496
Unrefrigerated Warehouse-No Rail	18,637,756	261	0.0330	0.0040	77,316,005
Manufacturing	7,033,267	261	0.0330	0.0040	31,568,490
Industrial Park	9,801,737	261	0.0330	0.0040	15,501,603
User Defined Industrial	0.00	261	0.0330	0.0040	0.00
Free-Standing Discount Superstore	975,839	261	0.0330	0.0040	592,217

Strip Mall	259,007	261	0.0330	0.0040	157,186
Other Asphalt Surfaces	0.00	261	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	261	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Refrigerated Warehouse-No Rail	122,985,990	36,730,848
Unrefrigerated Warehouse-No Rail	169,403,413	0.00
Manufacturing	30,746,498	0.00
Industrial Park	23,506,388	0.00
User Defined Industrial	0.00	0.00
Free-Standing Discount Superstore	5,329,267	0.00
Strip Mall	1,414,494	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Refrigerated Warehouse-No Rail	2,764	0.00
Unrefrigerated Warehouse-No Rail	3,807	0.00
Manufacturing	911	0.00
Industrial Park	697	0.00
User Defined Industrial	0.00	0.00

Free-Standing Discount Superstore	430	0.00
Strip Mall	27.9	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Manufacturing	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0
Industrial Park	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0
Free-Standing Discount Superstore	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Free-Standing Discount Superstore	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Free-Standing Discount Superstore	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Strip Mall	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Refrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

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	28.5	annual days of extreme heat
Extreme Precipitation	1.90	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	21.3	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack 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	53.3
AQ-DPM	47.8
Drinking Water	10.2
Lead Risk Housing	22.0
Pesticides	58.8
Toxic Releases	37.7
Traffic	81.9
Effect Indicators	—
CleanUp Sites	69.4
Groundwater	0.00
Haz Waste Facilities/Generators	53.5
Impaired Water Bodies	0.00
Solid Waste	40.1
Sensitive Population	—
Asthma	65.6
Cardio-vascular	90.6
Low Birth Weights	62.9
Socioeconomic Factor Indicators	—
Education	74.7
Housing	57.9

Linguistic	53.4
Poverty	64.5
Unemployment	15.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	36.04516874
Employed	38.00846914
Median HI	53.00911074
Education	—
Bachelor's or higher	28.6154241
High school enrollment	100
Preschool enrollment	5.440780187
Transportation	—
Auto Access	94.58488387
Active commuting	6.723983062
Social	—
2-parent households	87.71974849
Voting	9.636853587
Neighborhood	—
Alcohol availability	84.04978827
Park access	11.88245862
Retail density	29.21852945
Supermarket access	12.06210702
Tree canopy	0.590273322

Housing	—
Homeownership	79.23777749
Housing habitability	40.67753112
Low-inc homeowner severe housing cost burden	12.19042731
Low-inc renter severe housing cost burden	27.61452586
Uncrowded housing	47.8121391
Health Outcomes	—
Insured adults	26.49813936
Arthritis	79.8
Asthma ER Admissions	42.9
High Blood Pressure	64.8
Cancer (excluding skin)	87.6
Asthma	27.9
Coronary Heart Disease	81.5
Chronic Obstructive Pulmonary Disease	59.8
Diagnosed Diabetes	52.6
Life Expectancy at Birth	37.8
Cognitively Disabled	88.7
Physically Disabled	83.0
Heart Attack ER Admissions	7.5
Mental Health Not Good	28.5
Chronic Kidney Disease	64.9
Obesity	17.5
Pedestrian Injuries	92.5
Physical Health Not Good	37.9
Stroke	70.4
Health Risk Behaviors	—

Binge Drinking	30.9
Current Smoker	25.4
No Leisure Time for Physical Activity	29.5
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	35.2
Elderly	90.4
English Speaking	42.3
Foreign-born	59.5
Outdoor Workers	11.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	72.4
Traffic Density	65.3
Traffic Access	23.0
Other Indices	—
Hardship	70.6
Other Decision Support	—
2016 Voting	23.4

7.3. Overall Health & Equity Scores

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & 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
Operations: Vehicle Data	Trip rates based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate industrial passenger cars and trucks
Operations: Water and Waste Water	Water usage estimates based on Project WSA
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

13265 Stoneridge Without MCP Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	13265 Stoneridge Without MCP
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	0.20
Location	33.823133630598434, -117.16971733141742
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5500
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Refrigerated Warehouse-No Rail	2,940	1000sqft	67.5	2,940,000	2,316,569	—	—	—
Unrefrigerated Warehouse-No Rail	4,103	1000sqft	94.2	4,102,759	0.00	—	—	—

Manufacturing	735	1000sqft	16.9	735,000	0.00	—	—	—
Industrial Park	642	1000sqft	14.7	641,639	0.00	—	—	—
User Defined Industrial	8,419	User Defined Unit	0.00	0.00	0.00	—	—	—
Free-Standing Discount Superstore	100	1000sqft	2.30	100,000	0.00	—	—	—
Strip Mall	22.0	1000sqft	0.50	21,968	0.00	—	—	—
Other Asphalt Surfaces	34.4	Acre	34.4	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	31.4	Acre	31.4	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.	150	336	386	1,103	4.82	10.9	122	133	10.8	24.6	35.4	5,419	612,730	618,149	569	54.3	4,015	652,571
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	80.9	272	399	632	4.69	10.4	122	132	10.1	24.6	34.7	5,419	600,266	605,685	569	54.4	3,149	639,275
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	117	305	370	830	4.25	10.1	108	118	9.97	21.9	31.9	5,419	553,914	559,333	568	49.5	3,469	591,746
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	21.3	55.7	67.5	151	0.78	1.85	19.7	21.6	1.82	4.00	5.82	897	91,707	92,604	94.1	8.19	574	97,970

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	77.7	66.5	327	685	4.46	6.19	122	128	5.90	24.6	30.5	—	469,958	469,958	10.4	51.2	889	486,359
Area	66.2	266	3.13	371	0.02	0.50	—	0.50	0.66	—	0.66	—	1,528	1,528	0.06	0.14	—	1,572
Energy	6.09	3.04	55.4	46.5	0.33	4.21	—	4.21	4.21	—	4.21	—	139,360	139,360	15.1	1.25	—	140,110
Water	—	—	—	—	—	—	—	—	—	—	—	687	1,884	2,571	70.7	1.70	—	4,847
Waste	—	—	—	—	—	—	—	—	—	—	—	4,732	0.00	4,732	473	0.00	—	16,556
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,126	3,126
Total	150	336	386	1,103	4.82	10.9	122	133	10.8	24.6	35.4	5,419	612,730	618,149	569	54.3	4,015	652,571
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	74.8	63.6	344	586	4.36	6.19	122	128	5.90	24.6	30.5	—	459,021	459,021	10.6	51.4	23.1	474,636
Area	—	205	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	6.09	3.04	55.4	46.5	0.33	4.21	—	4.21	4.21	—	4.21	—	139,360	139,360	15.1	1.25	—	140,110
Water	—	—	—	—	—	—	—	—	—	—	—	687	1,884	2,571	70.7	1.70	—	4,847
Waste	—	—	—	—	—	—	—	—	—	—	—	4,732	0.00	4,732	473	0.00	—	16,556
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,126	3,126
Total	80.9	272	399	632	4.69	10.4	122	132	10.1	24.6	34.7	5,419	600,266	605,685	569	54.4	3,149	639,275

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	65.2	55.2	313	529	3.90	5.57	108	114	5.31	21.9	27.2	—	411,623	411,623	9.45	46.4	343	426,030
Area	45.3	247	2.14	254	0.02	0.34	—	0.34	0.45	—	0.45	—	1,046	1,046	0.04	0.10	—	1,077
Energy	6.09	3.04	55.4	46.5	0.33	4.21	—	4.21	4.21	—	4.21	—	139,360	139,360	15.1	1.25	—	140,110
Water	—	—	—	—	—	—	—	—	—	—	—	687	1,884	2,571	70.7	1.70	—	4,847
Waste	—	—	—	—	—	—	—	—	—	—	—	4,732	0.00	4,732	473	0.00	—	16,556
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,126	3,126
Total	117	305	370	830	4.25	10.1	108	118	9.97	21.9	31.9	5,419	553,914	559,333	568	49.5	3,469	591,746
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.9	10.1	57.0	96.5	0.71	1.02	19.7	20.7	0.97	4.00	4.97	—	68,149	68,149	1.56	7.68	56.9	70,534
Area	8.27	45.0	0.39	46.4	< 0.005	0.06	—	0.06	0.08	—	0.08	—	173	173	0.01	0.02	—	178
Energy	1.11	0.56	10.1	8.49	0.06	0.77	—	0.77	0.77	—	0.77	—	23,073	23,073	2.50	0.21	—	23,197
Water	—	—	—	—	—	—	—	—	—	—	—	114	312	426	11.7	0.28	—	802
Waste	—	—	—	—	—	—	—	—	—	—	—	783	0.00	783	78.3	0.00	—	2,741
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	518	518
Total	21.3	55.7	67.5	151	0.78	1.85	19.7	21.6	1.82	4.00	5.82	897	91,707	92,604	94.1	8.19	574	97,970

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigera Warehouse-No Rail	12.0	11.1	5.06	115	0.28	0.09	11.6	11.7	0.09	1.97	2.06	—	28,346	28,346	0.87	0.63	46.5	28,602
Unrefrigerated Warehouse-No Rail	19.4	18.0	8.21	186	0.45	0.15	18.8	18.9	0.14	3.20	3.34	—	45,983	45,983	1.41	1.02	75.4	46,398
Manufacturing	9.70	8.99	4.11	93.0	0.23	0.08	9.40	9.48	0.07	1.60	1.67	—	23,008	23,008	0.71	0.51	37.7	23,216
Industrial Park	5.47	5.07	2.32	52.4	0.13	0.04	5.30	5.35	0.04	0.90	0.94	—	12,980	12,980	0.40	0.29	21.3	13,097
User Defined Industrial	13.4	7.19	293	89.1	2.94	5.56	60.1	65.7	5.32	14.0	19.3	—	315,451	315,451	5.55	46.9	626	330,193
Free-Standing Discount Superstore	15.3	14.0	12.4	130	0.37	0.22	14.3	14.5	0.21	2.52	2.73	—	38,159	38,159	1.30	1.58	70.9	38,732
Strip Mall	2.42	2.21	1.96	20.5	0.06	0.04	2.25	2.29	0.03	0.40	0.43	—	6,031	6,031	0.21	0.25	11.2	6,122
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
Other Non-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
Total	77.7	66.5	327	685	4.46	6.19	122	128	5.90	24.6	30.5	—	469,958	469,958	10.4	51.2	889	486,359
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	11.5	10.6	5.58	95.0	0.26	0.09	11.6	11.7	0.09	1.97	2.06	—	26,202	26,202	0.91	0.67	1.21	26,426

Unrefrigerated	18.7	17.2	9.05	154	0.42	0.15	18.8	18.9	0.14	3.20	3.34	—	42,505	42,505	1.47	1.09	1.96	42,869
Manufacturing	9.34	8.62	4.53	77.1	0.21	0.08	9.40	9.48	0.07	1.60	1.67	—	21,268	21,268	0.74	0.55	0.98	21,450
Industrial Park	5.27	4.86	2.56	43.5	0.12	0.04	5.30	5.35	0.04	0.90	0.94	—	11,998	11,998	0.42	0.31	0.55	12,100
User Defined Industrial	13.1	6.91	307	89.8	2.94	5.56	60.1	65.7	5.32	14.0	19.3	—	315,562	315,562	5.53	46.9	16.3	329,701
Free-Standing Discount Superstore	14.6	13.3	13.3	109	0.35	0.22	14.3	14.5	0.21	2.52	2.73	—	35,825	35,825	1.34	1.62	1.84	36,345
Strip Mall	2.31	2.10	2.10	17.2	0.06	0.04	2.25	2.29	0.03	0.40	0.43	—	5,662	5,662	0.21	0.26	0.29	5,745
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
Other Non-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
Total	74.8	63.6	344	586	4.36	6.19	122	128	5.90	24.6	30.5	—	459,021	459,021	10.6	51.4	23.1	474,636
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	1.82	1.67	0.91	15.7	0.04	0.02	1.85	1.86	0.01	0.31	0.33	—	3,834	3,834	0.13	0.10	2.90	3,869
Unrefrigerated Warehouse-No Rail	3.16	2.91	1.59	27.3	0.07	0.03	3.21	3.24	0.02	0.55	0.57	—	6,671	6,671	0.23	0.17	5.05	6,733
Manufacturing	1.33	1.23	0.67	11.5	0.03	0.01	1.35	1.36	0.01	0.23	0.24	—	2,811	2,811	0.10	0.07	2.13	2,837
Industrial Park	0.83	0.77	0.42	7.20	0.02	0.01	0.85	0.85	0.01	0.14	0.15	—	1,758	1,758	0.06	0.05	1.33	1,774

User Defined Industrial	2.18	1.16	51.0	14.7	0.49	0.92	9.93	10.8	0.88	2.31	3.19	—	47,260	47,260	0.83	7.03	40.5	49,415
Free-Standing Discount Superstore	2.20	2.00	2.05	17.1	0.05	0.03	2.17	2.20	0.03	0.38	0.42	—	4,986	4,986	0.19	0.23	4.22	5,062
Strip Mall	0.37	0.33	0.34	2.85	0.01	0.01	0.36	0.37	0.01	0.06	0.07	—	831	831	0.03	0.04	0.70	844
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
Other Non-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
Total	11.9	10.1	57.0	96.5	0.71	1.02	19.7	20.7	0.97	4.00	4.97	—	68,149	68,149	1.56	7.68	56.9	70,534

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	45,939	45,939	5.81	0.70	—	46,294
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	13,491	13,491	1.71	0.21	—	13,596

Manufact	—	—	—	—	—	—	—	—	—	—	—	—	5,025	5,025	0.64	0.08	—	5,064
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	7,997	7,997	1.01	0.12	—	8,059
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	697	697	0.09	0.01	—	703
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	153	153	0.02	< 0.005	—	154
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	73,303	73,303	9.28	1.12	—	73,869
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	45,939	45,939	5.81	0.70	—	46,294
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	13,491	13,491	1.71	0.21	—	13,596
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	5,025	5,025	0.64	0.08	—	5,064
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	7,997	7,997	1.01	0.12	—	8,059

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	697	697	0.09	0.01	—	703
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	153	153	0.02	< 0.005	—	154
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	73,303	73,303	9.28	1.12	—	73,869
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	7,606	7,606	0.96	0.12	—	7,665
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,234	2,234	0.28	0.03	—	2,251
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	832	832	0.11	0.01	—	838
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,324	1,324	0.17	0.02	—	1,334
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	115	115	0.01	< 0.005	—	116
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	25.4	25.4	< 0.005	< 0.005	—	25.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	12,136	12,136	1.54	0.19	—	12,230

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	2.30	1.15	20.9	17.6	0.13	1.59	—	1.59	1.59	—	1.59	—	24,932	24,932	2.21	0.05	—	25,001
Unrefrigerated Warehouse-No Rail	2.31	1.16	21.0	17.7	0.13	1.60	—	1.60	1.60	—	1.60	—	25,104	25,104	2.22	0.05	—	25,173
Manufacturing	0.93	0.47	8.48	7.12	0.05	0.64	—	0.64	0.64	—	0.64	—	10,117	10,117	0.90	0.02	—	10,145
Industrial Park	0.52	0.26	4.75	3.99	0.03	0.36	—	0.36	0.36	—	0.36	—	5,673	5,673	0.50	0.01	—	5,689

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
Free-Standing Discount Superstore	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	190	190	0.02	< 0.005	—	190
Strip Mall	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.7	41.7	< 0.005	< 0.005	—	41.8
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
Other Non-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
Total	6.09	3.04	55.4	46.5	0.33	4.21	—	4.21	4.21	—	4.21	—	66,058	66,058	5.85	0.12	—	66,241
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	2.30	1.15	20.9	17.6	0.13	1.59	—	1.59	1.59	—	1.59	—	24,932	24,932	2.21	0.05	—	25,001
Unrefrigerated Warehouse-No Rail	2.31	1.16	21.0	17.7	0.13	1.60	—	1.60	1.60	—	1.60	—	25,104	25,104	2.22	0.05	—	25,173
Manufacturing	0.93	0.47	8.48	7.12	0.05	0.64	—	0.64	0.64	—	0.64	—	10,117	10,117	0.90	0.02	—	10,145
Industrial Park	0.52	0.26	4.75	3.99	0.03	0.36	—	0.36	0.36	—	0.36	—	5,673	5,673	0.50	0.01	—	5,689
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

Free-Standing	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	190	190	0.02	< 0.005	—	190
Strip Mall	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.7	41.7	< 0.005	< 0.005	—	41.8
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
Other Non-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
Total	6.09	3.04	55.4	46.5	0.33	4.21	—	4.21	4.21	—	4.21	—	66,058	66,058	5.85	0.12	—	66,241
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	0.42	0.21	3.81	3.20	0.02	0.29	—	0.29	0.29	—	0.29	—	4,128	4,128	0.37	0.01	—	4,139
Unrefrigerated Warehouse-No Rail	0.42	0.21	3.84	3.23	0.02	0.29	—	0.29	0.29	—	0.29	—	4,156	4,156	0.37	0.01	—	4,168
Manufacturing	0.17	0.09	1.55	1.30	0.01	0.12	—	0.12	0.12	—	0.12	—	1,675	1,675	0.15	< 0.005	—	1,680
Industrial Park	0.10	0.05	0.87	0.73	0.01	0.07	—	0.07	0.07	—	0.07	—	939	939	0.08	< 0.005	—	942
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
Free-Standing Discount Superstore	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.4	31.4	< 0.005	< 0.005	—	31.5
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.90	6.90	< 0.005	< 0.005	—	6.92
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

Other Non-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
Total	1.11	0.56	10.1	8.49	0.06	0.77	—	0.77	0.77	—	0.77	—	10,937	10,937	0.97	0.02	—	10,967

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	183	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	66.2	61.1	3.13	371	0.02	0.50	—	0.50	0.66	—	0.66	—	1,528	1,528	0.06	0.14	—	1,572
Total	66.2	266	3.13	371	0.02	0.50	—	0.50	0.66	—	0.66	—	1,528	1,528	0.06	0.14	—	1,572
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	183	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	205	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	33.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	8.27	7.63	0.39	46.4	< 0.005	0.06	—	0.06	0.08	—	0.08	—	173	173	0.01	0.02	—	178
Total	8.27	45.0	0.39	46.4	< 0.005	0.06	—	0.06	0.08	—	0.08	—	173	173	0.01	0.02	—	178

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	236	737	973	24.3	0.59	—	1,754
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	329	835	1,164	33.8	0.81	—	2,252
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	58.9	150	208	6.06	0.15	—	403

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	51.4	131	182	5.29	0.13	—	352
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	10.2	25.9	36.1	1.05	0.03	—	69.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.24	5.69	7.94	0.23	0.01	—	15.4
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	687	1,884	2,571	70.7	1.70	—	4,847
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	236	737	973	24.3	0.59	—	1,754
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	329	835	1,164	33.8	0.81	—	2,252
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	58.9	150	208	6.06	0.15	—	403
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	51.4	131	182	5.29	0.13	—	352

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	10.2	25.9	36.1	1.05	0.03	—	69.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.24	5.69	7.94	0.23	0.01	—	15.4
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	687	1,884	2,571	70.7	1.70	—	4,847
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	39.0	122	161	4.02	0.10	—	290
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	54.4	138	193	5.60	0.13	—	373
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	9.75	24.8	34.5	1.00	0.02	—	66.8
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	8.52	21.6	30.1	0.88	0.02	—	58.3
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	1.69	4.29	5.98	0.17	< 0.005	—	11.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.37	0.94	1.31	0.04	< 0.005	—	2.54
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	114	312	426	11.7	0.28	—	802

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,489	0.00	1,489	149	0.00	—	5,211
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2,078	0.00	2,078	208	0.00	—	7,272
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	491	0.00	491	49.1	0.00	—	1,719

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	429	0.00	429	42.9	0.00	—	1,500
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	232	0.00	232	23.2	0.00	—	811
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	12.4	0.00	12.4	1.24	0.00	—	43.5
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4,732	0.00	4,732	473	0.00	—	16,556
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,489	0.00	1,489	149	0.00	—	5,211
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2,078	0.00	2,078	208	0.00	—	7,272
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	491	0.00	491	49.1	0.00	—	1,719
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	429	0.00	429	42.9	0.00	—	1,500

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	232	0.00	232	23.2	0.00	—	811
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	12.4	0.00	12.4	1.24	0.00	—	43.5
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4,732	0.00	4,732	473	0.00	—	16,556
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	247	0.00	247	24.6	0.00	—	863
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	344	0.00	344	34.4	0.00	—	1,204
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	81.3	0.00	81.3	8.13	0.00	—	285
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	71.0	0.00	71.0	7.10	0.00	—	248
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.06	0.00	2.06	0.21	0.00	—	7.20
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	783	0.00	783	78.3	0.00	—	2,741

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,997	2,997
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	68.7	68.7
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.0	60.0
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,126	3,126
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,997	2,997
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	68.7	68.7
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.0	60.0
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,126	3,126
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	496	496
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.4	11.4
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.93	9.93
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.09	0.09
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	518	518

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Refrigerated Warehouse-No Rail	3,837	2,181	2,090	1,223,027	43,623	24,803	23,767	13,905,822
Unrefrigerated Warehouse-No Rail	6,224	4,886	4,808	2,128,171	70,766	55,558	54,672	24,197,309
Manufacturing	3,114	977	649	896,690	35,408	11,106	7,379	10,195,366
Industrial Park	1,757	1,324	646	560,737	19,975	15,050	7,347	6,375,585
User Defined Industrial	4,445	3,073	2,854	1,468,054	135,630	93,760	87,081	44,790,338
Free-Standing Discount Superstore	3,586	4,530	3,948	1,376,994	40,773	51,507	44,889	15,656,419
Strip Mall	716	553	269	229,505	8,141	6,285	3,055	2,609,471
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	12,812,049	4,270,683	171,975

5.10.3. Landscape Equipment

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Refrigerated Warehouse-No Rail	64,296,476	261	0.0330	0.0040	77,795,496
Unrefrigerated Warehouse-No Rail	18,882,339	261	0.0330	0.0040	78,330,620
Manufacturing	7,033,267	261	0.0330	0.0040	31,568,490
Industrial Park	11,192,220	261	0.0330	0.0040	17,700,673
User Defined Industrial	0.00	261	0.0330	0.0040	0.00
Free-Standing Discount Superstore	975,839	261	0.0330	0.0040	592,217
Strip Mall	214,372	261	0.0330	0.0040	130,098
Other Asphalt Surfaces	0.00	261	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	261	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Refrigerated Warehouse-No Rail	122,985,990	36,730,848
Unrefrigerated Warehouse-No Rail	171,626,489	0.00
Manufacturing	30,746,498	0.00
Industrial Park	26,841,023	0.00
User Defined Industrial	0.00	0.00
Free-Standing Discount Superstore	5,329,267	0.00
Strip Mall	1,170,733	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Refrigerated Warehouse-No Rail	2,764	0.00
Unrefrigerated Warehouse-No Rail	3,857	0.00
Manufacturing	911	0.00
Industrial Park	796	0.00
User Defined Industrial	0.00	0.00
Free-Standing Discount Superstore	430	0.00
Strip Mall	23.1	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Refrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0
Manufacturing	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0
Industrial Park	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0
Free-Standing Discount Superstore	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Free-Standing Discount Superstore	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Free-Standing Discount Superstore	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Strip Mall	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

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	28.5	annual days of extreme heat
Extreme Precipitation	1.90	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	21.3	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

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

Snowpack 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	53.3
AQ-DPM	47.8
Drinking Water	10.2
Lead Risk Housing	22.0
Pesticides	58.8
Toxic Releases	37.7
Traffic	81.9
Effect Indicators	—
CleanUp Sites	69.4
Groundwater	0.00
Haz Waste Facilities/Generators	53.5
Impaired Water Bodies	0.00
Solid Waste	40.1
Sensitive Population	—
Asthma	65.6
Cardio-vascular	90.6
Low Birth Weights	62.9
Socioeconomic Factor Indicators	—
Education	74.7
Housing	57.9
Linguistic	53.4
Poverty	64.5
Unemployment	15.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	36.04516874
Employed	38.00846914
Median HI	53.00911074
Education	—
Bachelor's or higher	28.6154241
High school enrollment	100
Preschool enrollment	5.440780187
Transportation	—
Auto Access	94.58488387
Active commuting	6.723983062
Social	—
2-parent households	87.71974849
Voting	9.636853587
Neighborhood	—
Alcohol availability	84.04978827
Park access	11.88245862
Retail density	29.21852945
Supermarket access	12.06210702
Tree canopy	0.590273322
Housing	—
Homeownership	79.23777749
Housing habitability	40.67753112
Low-inc homeowner severe housing cost burden	12.19042731
Low-inc renter severe housing cost burden	27.61452586
Uncrowded housing	47.8121391

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

Children	35.2
Elderly	90.4
English Speaking	42.3
Foreign-born	59.5
Outdoor Workers	11.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	72.4
Traffic Density	65.3
Traffic Access	23.0
Other Indices	—
Hardship	70.6
Other Decision Support	—
2016 Voting	23.4

7.3. Overall Health & Equity Scores

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & 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
Operations: Vehicle Data	Trip rates based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate industrial passenger cars and trucks
Operations: Water and Waste Water	Water usage estimates based on Project WSA
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

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APPENDIX 3.3:

CALEEMOD PROJECT LOCALIZED OPERATIONAL EMISSIONS MODEL OUTPUTS

13265 Stoneridge With MCP LST Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	13265 Stoneridge With MCP LST
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	0.20
Location	33.823133630598434, -117.16971733141742
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5500
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Refrigerated Warehouse-No Rail	2,940	1000sqft	67.5	2,940,000	2,316,569	—	—	—
Unrefrigerated Warehouse-No Rail	4,050	1000sqft	93.0	4,049,616	0.00	—	—	—

Manufacturing	735	1000sqft	16.9	735,000	0.00	—	—	—
Industrial Park	562	1000sqft	12.9	561,924	0.00	—	—	—
User Defined Industrial	8,287	User Defined Unit	0.00	0.00	0.00	—	—	—
Free-Standing Discount Superstore	100	1000sqft	2.30	100,000	0.00	—	—	—
Strip Mall	26.5	1000sqft	0.61	26,542	0.00	—	—	—
Other Asphalt Surfaces	34.4	Acre	34.4	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	31.4	Acre	31.4	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.	127	317	137	669	1.09	5.40	22.0	27.4	5.51	4.13	9.65	5,332	217,673	223,005	554	10.2	3,248	243,161
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	59.1	254	139	288	1.04	4.91	22.0	26.9	4.87	4.13	9.00	5,332	213,406	218,738	554	10.2	3,122	238,762
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	96.6	289	132	513	0.98	5.16	19.3	24.5	5.24	3.65	8.88	5,332	206,301	211,633	554	9.55	3,168	231,493
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.6	52.7	24.0	93.7	0.18	0.94	3.53	4.47	0.96	0.67	1.62	883	34,155	35,038	91.7	1.58	525	38,326

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	55.7	51.9	79.6	257	0.74	0.76	22.0	22.7	0.72	4.13	4.86	—	77,108	77,108	4.35	7.20	130	79,491
Area	65.2	262	3.08	366	0.02	0.49	—	0.49	0.65	—	0.65	—	1,505	1,505	0.06	0.14	—	1,549
Energy	6.00	3.00	54.5	45.8	0.33	4.14	—	4.14	4.14	—	4.14	—	137,203	137,203	14.9	1.23	—	137,941
Water	—	—	—	—	—	—	—	—	—	—	—	677	1,858	2,535	69.7	1.68	—	4,777
Waste	—	—	—	—	—	—	—	—	—	—	—	4,654	0.00	4,654	465	0.00	—	16,284
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,119	3,119
Total	127	317	137	669	1.09	5.40	22.0	27.4	5.51	4.13	9.65	5,332	217,673	223,005	554	10.2	3,248	243,161
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	53.1	49.2	84.3	242	0.71	0.76	22.0	22.7	0.73	4.13	4.86	—	74,345	74,345	4.60	7.31	3.36	76,641
Area	—	202	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	6.00	3.00	54.5	45.8	0.33	4.14	—	4.14	4.14	—	4.14	—	137,203	137,203	14.9	1.23	—	137,941
Water	—	—	—	—	—	—	—	—	—	—	—	677	1,858	2,535	69.7	1.68	—	4,777
Waste	—	—	—	—	—	—	—	—	—	—	—	4,654	0.00	4,654	465	0.00	—	16,284
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,119	3,119
Total	59.1	254	139	288	1.04	4.91	22.0	26.9	4.87	4.13	9.00	5,332	213,406	218,738	554	10.2	3,122	238,762

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	45.9	42.5	75.0	217	0.63	0.68	19.3	20.0	0.65	3.65	4.29	—	66,210	66,210	4.07	6.54	49.6	68,311
Area	44.6	243	2.11	251	0.01	0.34	—	0.34	0.45	—	0.45	—	1,031	1,031	0.04	0.10	—	1,061
Energy	6.00	3.00	54.5	45.8	0.33	4.14	—	4.14	4.14	—	4.14	—	137,203	137,203	14.9	1.23	—	137,941
Water	—	—	—	—	—	—	—	—	—	—	—	677	1,858	2,535	69.7	1.68	—	4,777
Waste	—	—	—	—	—	—	—	—	—	—	—	4,654	0.00	4,654	465	0.00	—	16,284
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,119	3,119
Total	96.6	289	132	513	0.98	5.16	19.3	24.5	5.24	3.65	8.88	5,332	206,301	211,633	554	9.55	3,168	231,493
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.38	7.76	13.7	39.6	0.12	0.12	3.53	3.65	0.12	0.67	0.78	—	10,962	10,962	0.67	1.08	8.21	11,310
Area	8.14	44.4	0.38	45.7	< 0.005	0.06	—	0.06	0.08	—	0.08	—	171	171	0.01	0.02	—	176
Energy	1.09	0.55	9.95	8.36	0.06	0.76	—	0.76	0.76	—	0.76	—	22,715	22,715	2.46	0.20	—	22,838
Water	—	—	—	—	—	—	—	—	—	—	—	112	308	420	11.5	0.28	—	791
Waste	—	—	—	—	—	—	—	—	—	—	—	771	0.00	771	77.0	0.00	—	2,696
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	516	516
Total	17.6	52.7	24.0	93.7	0.18	0.94	3.53	4.47	0.96	0.67	1.62	883	34,155	35,038	91.7	1.58	525	38,326

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigera Warehouse-No Rail	9.51	9.16	2.49	42.1	0.08	0.03	3.06	3.09	0.03	0.52	0.55	—	7,887	7,887	0.51	0.33	12.3	8,011
Unrefrigerated Warehouse-No Rail	15.3	14.7	4.00	67.7	0.13	0.05	4.91	4.97	0.05	0.84	0.89	—	12,679	12,679	0.82	0.53	19.7	12,878
Manufacturing	7.72	7.44	2.02	34.2	0.06	0.03	2.48	2.51	0.03	0.42	0.45	—	6,402	6,402	0.41	0.27	9.96	6,502
Industrial Park	3.81	3.67	1.00	16.9	0.03	0.01	1.22	1.24	0.01	0.21	0.22	—	3,161	3,161	0.20	0.13	4.92	3,210
User Defined Industrial	4.72	2.91	63.4	38.3	0.32	0.55	5.81	6.36	0.52	1.35	1.88	—	34,317	34,317	1.59	5.19	60.5	35,965
Free-Standing Discount Superstore	12.3	11.8	5.63	48.5	0.10	0.07	3.76	3.83	0.06	0.67	0.73	—	10,630	10,630	0.69	0.62	18.7	10,851
Strip Mall	2.35	2.25	1.08	9.27	0.02	0.01	0.72	0.73	0.01	0.13	0.14	—	2,032	2,032	0.13	0.12	3.58	2,074
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
Other Non-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
Total	55.7	51.9	79.6	257	0.74	0.76	22.0	22.7	0.72	4.13	4.86	—	77,108	77,108	4.35	7.20	130	79,491
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	9.11	8.74	2.70	39.1	0.07	0.03	3.06	3.09	0.03	0.52	0.55	—	7,325	7,325	0.56	0.35	0.32	7,444

Unrefrigerated	14.6	14.1	4.34	62.8	0.12	0.05	4.91	4.97	0.05	0.84	0.89	—	11,776	11,776	0.90	0.56	0.51	11,966
Manufacturing	7.39	7.10	2.19	31.7	0.06	0.03	2.48	2.51	0.03	0.42	0.45	—	5,946	5,946	0.45	0.28	0.26	6,042
Industrial Park	3.65	3.50	1.08	15.7	0.03	0.01	1.22	1.24	0.01	0.21	0.22	—	2,935	2,935	0.22	0.14	0.13	2,983
User Defined Industrial	4.41	2.64	66.9	39.4	0.32	0.55	5.81	6.36	0.53	1.35	1.88	—	34,426	34,426	1.58	5.21	1.57	36,020
Free-Standing Discount Superstore	11.6	11.1	6.00	45.2	0.10	0.07	3.76	3.83	0.07	0.67	0.73	—	10,021	10,021	0.74	0.64	0.49	10,231
Strip Mall	2.22	2.12	1.15	8.65	0.02	0.01	0.72	0.73	0.01	0.13	0.14	—	1,916	1,916	0.14	0.12	0.09	1,956
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
Other Non-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
Total	53.1	49.2	84.3	242	0.71	0.76	22.0	22.7	0.73	4.13	4.86	—	74,345	74,345	4.60	7.31	3.36	76,641
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	1.43	1.37	0.44	6.39	0.01	0.01	0.49	0.49	0.01	0.08	0.09	—	1,071	1,071	0.08	0.05	0.77	1,089
Unrefrigerated Warehouse-No Rail	2.47	2.37	0.76	11.0	0.02	0.01	0.84	0.85	0.01	0.14	0.15	—	1,849	1,849	0.14	0.09	1.32	1,880
Manufacturing	1.05	1.01	0.32	4.69	0.01	< 0.005	0.36	0.36	< 0.005	0.06	0.06	—	785	785	0.06	0.04	0.56	798
Industrial Park	0.57	0.55	0.18	2.57	< 0.005	< 0.005	0.20	0.20	< 0.005	0.03	0.04	—	430	430	0.03	0.02	0.31	437

User Defined Industrial	0.75	0.46	10.9	6.43	0.05	0.09	0.96	1.05	0.09	0.22	0.31	—	5,152	5,152	0.24	0.78	3.92	5,395
Free-Standing Discount Superstore	1.75	1.66	0.92	7.05	0.02	0.01	0.57	0.58	0.01	0.10	0.11	—	1,394	1,394	0.10	0.09	1.11	1,424
Strip Mall	0.35	0.34	0.18	1.42	< 0.005	< 0.005	0.12	0.12	< 0.005	0.02	0.02	—	281	281	0.02	0.02	0.22	287
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
Other Non-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
Total	8.38	7.76	13.7	39.6	0.12	0.12	3.53	3.65	0.12	0.67	0.78	—	10,962	10,962	0.67	1.08	8.21	11,310

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	45,939	45,939	5.81	0.70	—	46,294
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	13,316	13,316	1.69	0.20	—	13,419

Manufact	—	—	—	—	—	—	—	—	—	—	—	—	5,025	5,025	0.64	0.08	—	5,064
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	7,003	7,003	0.89	0.11	—	7,057
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	697	697	0.09	0.01	—	703
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	185	185	0.02	< 0.005	—	186
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	72,166	72,166	9.13	1.11	—	72,724
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	45,939	45,939	5.81	0.70	—	46,294
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	13,316	13,316	1.69	0.20	—	13,419
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	5,025	5,025	0.64	0.08	—	5,064
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	7,003	7,003	0.89	0.11	—	7,057

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	697	697	0.09	0.01	—	703
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	185	185	0.02	< 0.005	—	186
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	72,166	72,166	9.13	1.11	—	72,724
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	7,606	7,606	0.96	0.12	—	7,665
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,205	2,205	0.28	0.03	—	2,222
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	832	832	0.11	0.01	—	838
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,159	1,159	0.15	0.02	—	1,168
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	115	115	0.01	< 0.005	—	116
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	30.6	30.6	< 0.005	< 0.005	—	30.9
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	11,948	11,948	1.51	0.18	—	12,040

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	2.30	1.15	20.9	17.6	0.13	1.59	—	1.59	1.59	—	1.59	—	24,932	24,932	2.21	0.05	—	25,001
Unrefrigerated Warehouse-No Rail	2.28	1.14	20.8	17.4	0.12	1.58	—	1.58	1.58	—	1.58	—	24,779	24,779	2.19	0.05	—	24,847
Manufacturing	0.93	0.47	8.48	7.12	0.05	0.64	—	0.64	0.64	—	0.64	—	10,117	10,117	0.90	0.02	—	10,145
Industrial Park	0.46	0.23	4.16	3.50	0.02	0.32	—	0.32	0.32	—	0.32	—	4,968	4,968	0.44	0.01	—	4,982

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
Free-Standing Discount Superstore	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	190	190	0.02	< 0.005	—	190
Strip Mall	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.4	50.4	< 0.005	< 0.005	—	50.5
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
Other Non-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
Total	6.00	3.00	54.5	45.8	0.33	4.14	—	4.14	4.14	—	4.14	—	65,036	65,036	5.76	0.12	—	65,217
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	2.30	1.15	20.9	17.6	0.13	1.59	—	1.59	1.59	—	1.59	—	24,932	24,932	2.21	0.05	—	25,001
Unrefrigerated Warehouse-No Rail	2.28	1.14	20.8	17.4	0.12	1.58	—	1.58	1.58	—	1.58	—	24,779	24,779	2.19	0.05	—	24,847
Manufacturing	0.93	0.47	8.48	7.12	0.05	0.64	—	0.64	0.64	—	0.64	—	10,117	10,117	0.90	0.02	—	10,145
Industrial Park	0.46	0.23	4.16	3.50	0.02	0.32	—	0.32	0.32	—	0.32	—	4,968	4,968	0.44	0.01	—	4,982
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

Free-Standing	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	190	190	0.02	< 0.005	—	190
Strip Mall	< 0.005	< 0.005	0.04	0.04	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	50.4	50.4	< 0.005	< 0.005	—	50.5
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
Other Non-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
Total	6.00	3.00	54.5	45.8	0.33	4.14	—	4.14	4.14	—	4.14	—	65,036	65,036	5.76	0.12	—	65,217
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	0.42	0.21	3.81	3.20	0.02	0.29	—	0.29	0.29	—	0.29	—	4,128	4,128	0.37	0.01	—	4,139
Unrefrigerated Warehouse-No Rail	0.42	0.21	3.79	3.18	0.02	0.29	—	0.29	0.29	—	0.29	—	4,102	4,102	0.36	0.01	—	4,114
Manufacturing	0.17	0.09	1.55	1.30	0.01	0.12	—	0.12	0.12	—	0.12	—	1,675	1,675	0.15	< 0.005	—	1,680
Industrial Park	0.08	0.04	0.76	0.64	< 0.005	0.06	—	0.06	0.06	—	0.06	—	823	823	0.07	< 0.005	—	825
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
Free-Standing Discount Superstore	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.4	31.4	< 0.005	< 0.005	—	31.5
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	8.34	8.34	< 0.005	< 0.005	—	8.36
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

Other Non-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
Total	1.09	0.55	9.95	8.36	0.06	0.76	—	0.76	0.76	—	0.76	—	10,768	10,768	0.95	0.02	—	10,797

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	180	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	21.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	65.2	60.1	3.08	366	0.02	0.49	—	0.49	0.65	—	0.65	—	1,505	1,505	0.06	0.14	—	1,549
Total	65.2	262	3.08	366	0.02	0.49	—	0.49	0.65	—	0.65	—	1,505	1,505	0.06	0.14	—	1,549
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	180	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	21.6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	202	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	32.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	3.94	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	8.14	7.52	0.38	45.7	< 0.005	0.06	—	0.06	0.08	—	0.08	—	171	171	0.01	0.02	—	176
Total	8.14	44.4	0.38	45.7	< 0.005	0.06	—	0.06	0.08	—	0.08	—	171	171	0.01	0.02	—	176

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	236	737	973	24.3	0.59	—	1,754
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	325	824	1,149	33.4	0.80	—	2,223
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	58.9	150	208	6.06	0.15	—	403

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	45.0	114	159	4.63	0.11	—	308
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	10.2	25.9	36.1	1.05	0.03	—	69.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.71	6.88	9.59	0.28	0.01	—	18.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	677	1,858	2,535	69.7	1.68	—	4,777
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	236	737	973	24.3	0.59	—	1,754
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	325	824	1,149	33.4	0.80	—	2,223
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	58.9	150	208	6.06	0.15	—	403
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	45.0	114	159	4.63	0.11	—	308

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	10.2	25.9	36.1	1.05	0.03	—	69.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.71	6.88	9.59	0.28	0.01	—	18.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	677	1,858	2,535	69.7	1.68	—	4,777
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	39.0	122	161	4.02	0.10	—	290
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	53.7	136	190	5.53	0.13	—	368
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	9.75	24.8	34.5	1.00	0.02	—	66.8
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	7.46	18.9	26.4	0.77	0.02	—	51.1
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	1.69	4.29	5.98	0.17	< 0.005	—	11.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.45	1.14	1.59	0.05	< 0.005	—	3.07
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	112	308	420	11.5	0.28	—	791

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,489	0.00	1,489	149	0.00	—	5,211
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2,052	0.00	2,052	205	0.00	—	7,178
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	491	0.00	491	49.1	0.00	—	1,719

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	376	0.00	376	37.5	0.00	—	1,314
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	232	0.00	232	23.2	0.00	—	811
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	15.0	0.00	15.0	1.50	0.00	—	52.5
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4,654	0.00	4,654	465	0.00	—	16,284
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,489	0.00	1,489	149	0.00	—	5,211
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2,052	0.00	2,052	205	0.00	—	7,178
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	491	0.00	491	49.1	0.00	—	1,719
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	376	0.00	376	37.5	0.00	—	1,314

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	232	0.00	232	23.2	0.00	—	811
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	15.0	0.00	15.0	1.50	0.00	—	52.5
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4,654	0.00	4,654	465	0.00	—	16,284
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	247	0.00	247	24.6	0.00	—	863
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	340	0.00	340	33.9	0.00	—	1,188
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	81.3	0.00	81.3	8.13	0.00	—	285
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	62.2	0.00	62.2	6.21	0.00	—	218
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.49	0.00	2.49	0.25	0.00	—	8.70
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	771	0.00	771	77.0	0.00	—	2,696

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	68.7	68.7
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.5	52.5
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.14	0.14

Refrigerated Warehouse-No	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,997	2,997
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,119	3,119
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	68.7	68.7
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	52.5	52.5
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.14	0.14
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,997	2,997
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,119	3,119
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.4	11.4
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	8.70	8.70
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.09	0.09
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Refrigerated Warehou Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	496	496
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	516	516

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Refrigerated Warehouse-No Rail	3,837	2,181	2,087	1,222,874	11,510	6,544	6,262	3,668,622
Unrefrigerated Warehouse-No Rail	6,168	4,860	4,783	2,110,741	18,503	14,579	14,348	6,332,223
Manufacturing	3,114	977	649	896,690	9,343	2,930	1,947	2,690,070
Industrial Park	1,537	1,159	566	490,751	4,612	3,476	1,698	1,472,253
User Defined Industrial	4,367	3,025	2,826	1,443,592	13,101	9,074	8,477	4,330,777
Free-Standing Discount Superstore	3,586	4,530	3,948	1,376,994	10,758	13,590	11,844	4,130,981
Strip Mall	866	669	325	277,588	2,598	2,006	975	832,764
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	12,619,623	4,206,541	171,975

5.10.3. Landscape Equipment

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Refrigerated Warehouse-No Rail	64,296,476	261	0.0330	0.0040	77,795,496
Unrefrigerated Warehouse-No Rail	18,637,756	261	0.0330	0.0040	77,316,005
Manufacturing	7,033,267	261	0.0330	0.0040	31,568,490
Industrial Park	9,801,737	261	0.0330	0.0040	15,501,603
User Defined Industrial	0.00	261	0.0330	0.0040	0.00
Free-Standing Discount Superstore	975,839	261	0.0330	0.0040	592,217

Strip Mall	259,007	261	0.0330	0.0040	157,186
Other Asphalt Surfaces	0.00	261	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	261	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Refrigerated Warehouse-No Rail	122,985,990	36,730,848
Unrefrigerated Warehouse-No Rail	169,403,413	0.00
Manufacturing	30,746,498	0.00
Industrial Park	23,506,388	0.00
User Defined Industrial	0.00	0.00
Free-Standing Discount Superstore	5,329,267	0.00
Strip Mall	1,414,494	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Refrigerated Warehouse-No Rail	2,764	0.00
Unrefrigerated Warehouse-No Rail	3,807	0.00
Manufacturing	911	0.00
Industrial Park	697	0.00
User Defined Industrial	0.00	0.00

Free-Standing Discount Superstore	430	0.00
Strip Mall	27.9	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Manufacturing	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0
Industrial Park	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0
Free-Standing Discount Superstore	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Free-Standing Discount Superstore	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Free-Standing Discount Superstore	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Strip Mall	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Refrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

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	28.5	annual days of extreme heat
Extreme Precipitation	1.90	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	21.3	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

Climate Hazard	Exposure Score	Sensitivity Score	Adaptive Capacity Score	Vulnerability Score
Temperature and Extreme Heat	3	0	0	N/A

Extreme Precipitation	N/A	N/A	N/A	N/A
Sea Level Rise	1	0	0	N/A
Wildfire	1	0	0	N/A
Flooding	N/A	N/A	N/A	N/A
Drought	N/A	N/A	N/A	N/A
Snowpack 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	53.3
AQ-DPM	47.8
Drinking Water	10.2
Lead Risk Housing	22.0
Pesticides	58.8
Toxic Releases	37.7
Traffic	81.9
Effect Indicators	—
CleanUp Sites	69.4
Groundwater	0.00
Haz Waste Facilities/Generators	53.5
Impaired Water Bodies	0.00
Solid Waste	40.1
Sensitive Population	—
Asthma	65.6
Cardio-vascular	90.6
Low Birth Weights	62.9
Socioeconomic Factor Indicators	—
Education	74.7
Housing	57.9

Linguistic	53.4
Poverty	64.5
Unemployment	15.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	36.04516874
Employed	38.00846914
Median HI	53.00911074
Education	—
Bachelor's or higher	28.6154241
High school enrollment	100
Preschool enrollment	5.440780187
Transportation	—
Auto Access	94.58488387
Active commuting	6.723983062
Social	—
2-parent households	87.71974849
Voting	9.636853587
Neighborhood	—
Alcohol availability	84.04978827
Park access	11.88245862
Retail density	29.21852945
Supermarket access	12.06210702
Tree canopy	0.590273322

Housing	—
Homeownership	79.23777749
Housing habitability	40.67753112
Low-inc homeowner severe housing cost burden	12.19042731
Low-inc renter severe housing cost burden	27.61452586
Uncrowded housing	47.8121391
Health Outcomes	—
Insured adults	26.49813936
Arthritis	79.8
Asthma ER Admissions	42.9
High Blood Pressure	64.8
Cancer (excluding skin)	87.6
Asthma	27.9
Coronary Heart Disease	81.5
Chronic Obstructive Pulmonary Disease	59.8
Diagnosed Diabetes	52.6
Life Expectancy at Birth	37.8
Cognitively Disabled	88.7
Physically Disabled	83.0
Heart Attack ER Admissions	7.5
Mental Health Not Good	28.5
Chronic Kidney Disease	64.9
Obesity	17.5
Pedestrian Injuries	92.5
Physical Health Not Good	37.9
Stroke	70.4
Health Risk Behaviors	—

Binge Drinking	30.9
Current Smoker	25.4
No Leisure Time for Physical Activity	29.5
Climate Change Exposures	—
Wildfire Risk	0.0
SLR Inundation Area	0.0
Children	35.2
Elderly	90.4
English Speaking	42.3
Foreign-born	59.5
Outdoor Workers	11.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	72.4
Traffic Density	65.3
Traffic Access	23.0
Other Indices	—
Hardship	70.6
Other Decision Support	—
2016 Voting	23.4

7.3. Overall Health & Equity Scores

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & 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
Operations: Vehicle Data	Trip rates based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate industrial passenger cars and trucks
Operations: Water and Waste Water	Water usage estimates based on Project WSA
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

13265 Stoneridge Without MCP LST Detailed Report

Table of Contents

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	13265 Stoneridge Without MCP LST
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	0.20
Location	33.823133630598434, -117.16971733141742
County	Riverside-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5500
EDFZ	11
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Refrigerated Warehouse-No Rail	2,940	1000sqft	67.5	2,940,000	2,316,569	—	—	—
Unrefrigerated Warehouse-No Rail	4,103	1000sqft	94.2	4,102,759	0.00	—	—	—

Manufacturing	735	1000sqft	16.9	735,000	0.00	—	—	—
Industrial Park	642	1000sqft	14.7	641,639	0.00	—	—	—
User Defined Industrial	8,419	User Defined Unit	0.00	0.00	0.00	—	—	—
Free-Standing Discount Superstore	100	1000sqft	2.30	100,000	0.00	—	—	—
Strip Mall	22.0	1000sqft	0.50	21,968	0.00	—	—	—
Other Asphalt Surfaces	34.4	Acre	34.4	0.00	0.00	—	—	—
Other Non-Asphalt Surfaces	31.4	Acre	31.4	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.	128	321	139	677	1.10	5.48	22.2	27.6	5.60	4.17	9.77	5,419	220,710	226,130	563	10.4	3,257	246,565
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	59.5	258	141	291	1.05	4.98	22.2	27.1	4.94	4.17	9.11	5,419	216,402	221,822	563	10.4	3,129	242,123
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	97.6	293	133	520	0.99	5.24	19.5	24.7	5.32	3.68	8.99	5,419	209,197	214,616	563	9.68	3,176	234,750
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.8	53.4	24.4	94.8	0.18	0.96	3.56	4.52	0.97	0.67	1.64	897	34,635	35,532	93.2	1.60	526	38,866

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	56.0	52.2	80.7	259	0.75	0.77	22.2	22.9	0.73	4.17	4.90	—	77,939	77,939	4.39	7.30	131	80,354
Area	66.2	266	3.13	371	0.02	0.50	—	0.50	0.66	—	0.66	—	1,528	1,528	0.06	0.14	—	1,572
Energy	6.09	3.04	55.4	46.5	0.33	4.21	—	4.21	4.21	—	4.21	—	139,360	139,360	15.1	1.25	—	140,110
Water	—	—	—	—	—	—	—	—	—	—	—	687	1,884	2,571	70.7	1.70	—	4,847
Waste	—	—	—	—	—	—	—	—	—	—	—	4,732	0.00	4,732	473	0.00	—	16,556
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,126	3,126
Total	128	321	139	677	1.10	5.48	22.2	27.6	5.60	4.17	9.77	5,419	220,710	226,130	563	10.4	3,257	246,565
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	53.4	49.6	85.5	244	0.72	0.78	22.2	22.9	0.73	4.17	4.91	—	75,158	75,158	4.64	7.40	3.40	77,484
Area	—	205	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	6.09	3.04	55.4	46.5	0.33	4.21	—	4.21	4.21	—	4.21	—	139,360	139,360	15.1	1.25	—	140,110
Water	—	—	—	—	—	—	—	—	—	—	—	687	1,884	2,571	70.7	1.70	—	4,847
Waste	—	—	—	—	—	—	—	—	—	—	—	4,732	0.00	4,732	473	0.00	—	16,556
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,126	3,126
Total	59.5	258	141	291	1.05	4.98	22.2	27.1	4.94	4.17	9.11	5,419	216,402	221,822	563	10.4	3,129	242,123

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	46.2	42.8	76.0	219	0.64	0.69	19.5	20.2	0.66	3.68	4.33	—	66,906	66,906	4.11	6.63	50.1	69,034
Area	45.3	247	2.14	254	0.02	0.34	—	0.34	0.45	—	0.45	—	1,046	1,046	0.04	0.10	—	1,077
Energy	6.09	3.04	55.4	46.5	0.33	4.21	—	4.21	4.21	—	4.21	—	139,360	139,360	15.1	1.25	—	140,110
Water	—	—	—	—	—	—	—	—	—	—	—	687	1,884	2,571	70.7	1.70	—	4,847
Waste	—	—	—	—	—	—	—	—	—	—	—	4,732	0.00	4,732	473	0.00	—	16,556
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,126	3,126
Total	97.6	293	133	520	0.99	5.24	19.5	24.7	5.32	3.68	8.99	5,419	209,197	214,616	563	9.68	3,176	234,750
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	8.44	7.81	13.9	39.9	0.12	0.13	3.56	3.68	0.12	0.67	0.79	—	11,077	11,077	0.68	1.10	8.29	11,429
Area	8.27	45.0	0.39	46.4	< 0.005	0.06	—	0.06	0.08	—	0.08	—	173	173	0.01	0.02	—	178
Energy	1.11	0.56	10.1	8.49	0.06	0.77	—	0.77	0.77	—	0.77	—	23,073	23,073	2.50	0.21	—	23,197
Water	—	—	—	—	—	—	—	—	—	—	—	114	312	426	11.7	0.28	—	802
Waste	—	—	—	—	—	—	—	—	—	—	—	783	0.00	783	78.3	0.00	—	2,741
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	518	518
Total	17.8	53.4	24.4	94.8	0.18	0.96	3.56	4.52	0.97	0.67	1.64	897	34,635	35,532	93.2	1.60	526	38,866

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Refrigera Warehouse-No Rail	9.51	9.16	2.49	42.1	0.08	0.03	3.06	3.09	0.03	0.52	0.55	—	7,887	7,887	0.51	0.33	12.3	8,011
Unrefrigerated Warehouse-No Rail	15.4	14.9	4.03	68.3	0.13	0.06	4.96	5.01	0.05	0.84	0.89	—	12,795	12,795	0.82	0.54	19.9	12,995
Manufacturing	7.72	7.44	2.02	34.2	0.06	0.03	2.48	2.51	0.03	0.42	0.45	—	6,402	6,402	0.41	0.27	9.96	6,502
Industrial Park	4.35	4.19	1.14	19.3	0.04	0.02	1.40	1.42	0.01	0.24	0.25	—	3,612	3,612	0.23	0.15	5.62	3,668
User Defined Industrial	4.80	2.97	64.5	39.0	0.32	0.56	5.91	6.47	0.53	1.38	1.91	—	34,933	34,933	1.62	5.29	61.6	36,611
Free-Standing Discount Superstore	12.3	11.8	5.63	48.5	0.10	0.07	3.76	3.83	0.06	0.67	0.73	—	10,630	10,630	0.69	0.62	18.7	10,851
Strip Mall	1.94	1.86	0.89	7.67	0.02	0.01	0.59	0.61	0.01	0.11	0.12	—	1,680	1,680	0.11	0.10	2.96	1,715
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
Other Non-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
Total	56.0	52.2	80.7	259	0.75	0.77	22.2	22.9	0.73	4.17	4.90	—	77,939	77,939	4.39	7.30	131	80,354
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	9.11	8.74	2.70	39.1	0.07	0.03	3.06	3.09	0.03	0.52	0.55	—	7,325	7,325	0.56	0.35	0.32	7,444

Unrefrigerated	14.8	14.2	4.38	63.4	0.12	0.06	4.96	5.01	0.05	0.84	0.89	—	11,883	11,883	0.91	0.57	0.52	12,075
Manufacturing	7.39	7.10	2.19	31.7	0.06	0.03	2.48	2.51	0.03	0.42	0.45	—	5,946	5,946	0.45	0.28	0.26	6,042
Industrial Park	4.17	4.00	1.24	17.9	0.03	0.02	1.40	1.42	0.01	0.24	0.25	—	3,354	3,354	0.26	0.16	0.15	3,408
User Defined Industrial	4.49	2.69	68.1	40.1	0.32	0.56	5.91	6.47	0.54	1.38	1.92	—	35,044	35,044	1.61	5.31	1.60	36,667
Free-Standing Discount Superstore	11.6	11.1	6.00	45.2	0.10	0.07	3.76	3.83	0.07	0.67	0.73	—	10,021	10,021	0.74	0.64	0.49	10,231
Strip Mall	1.84	1.75	0.95	7.15	0.02	0.01	0.59	0.61	0.01	0.11	0.12	—	1,584	1,584	0.12	0.10	0.08	1,617
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
Other Non-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
Total	53.4	49.6	85.5	244	0.72	0.78	22.2	22.9	0.73	4.17	4.91	—	75,158	75,158	4.64	7.40	3.40	77,484
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	1.43	1.37	0.44	6.39	0.01	0.01	0.49	0.49	0.01	0.08	0.09	—	1,071	1,071	0.08	0.05	0.77	1,089
Unrefrigerated Warehouse-No Rail	2.49	2.39	0.76	11.1	0.02	0.01	0.85	0.86	0.01	0.14	0.15	—	1,864	1,864	0.14	0.09	1.33	1,895
Manufacturing	1.05	1.01	0.32	4.69	0.01	< 0.005	0.36	0.36	< 0.005	0.06	0.06	—	785	785	0.06	0.04	0.56	798
Industrial Park	0.66	0.63	0.20	2.93	0.01	< 0.005	0.22	0.23	< 0.005	0.04	0.04	—	491	491	0.04	0.02	0.35	499

User Defined Industrial	0.77	0.47	11.1	6.53	0.05	0.09	0.98	1.07	0.09	0.23	0.32	—	5,240	5,240	0.24	0.79	3.98	5,486
Free-Standing Discount Superstore	1.75	1.66	0.92	7.05	0.02	0.01	0.57	0.58	0.01	0.10	0.11	—	1,394	1,394	0.10	0.09	1.11	1,424
Strip Mall	0.29	0.28	0.15	1.18	< 0.005	< 0.005	0.10	0.10	< 0.005	0.02	0.02	—	232	232	0.02	0.01	0.19	237
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
Other Non-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
Total	8.44	7.81	13.9	39.9	0.12	0.13	3.56	3.68	0.12	0.67	0.79	—	11,077	11,077	0.68	1.10	8.29	11,429

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	45,939	45,939	5.81	0.70	—	46,294
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	13,491	13,491	1.71	0.21	—	13,596

Manufact	—	—	—	—	—	—	—	—	—	—	—	—	5,025	5,025	0.64	0.08	—	5,064
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	7,997	7,997	1.01	0.12	—	8,059
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	697	697	0.09	0.01	—	703
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	153	153	0.02	< 0.005	—	154
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	73,303	73,303	9.28	1.12	—	73,869
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	45,939	45,939	5.81	0.70	—	46,294
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	13,491	13,491	1.71	0.21	—	13,596
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	5,025	5,025	0.64	0.08	—	5,064
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	7,997	7,997	1.01	0.12	—	8,059

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	697	697	0.09	0.01	—	703
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	153	153	0.02	< 0.005	—	154
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	73,303	73,303	9.28	1.12	—	73,869
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	7,606	7,606	0.96	0.12	—	7,665
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	2,234	2,234	0.28	0.03	—	2,251
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	832	832	0.11	0.01	—	838
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	1,324	1,324	0.17	0.02	—	1,334
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	115	115	0.01	< 0.005	—	116
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	25.4	25.4	< 0.005	< 0.005	—	25.6
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	12,136	12,136	1.54	0.19	—	12,230

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	2.30	1.15	20.9	17.6	0.13	1.59	—	1.59	1.59	—	1.59	—	24,932	24,932	2.21	0.05	—	25,001
Unrefrigerated Warehouse-No Rail	2.31	1.16	21.0	17.7	0.13	1.60	—	1.60	1.60	—	1.60	—	25,104	25,104	2.22	0.05	—	25,173
Manufacturing	0.93	0.47	8.48	7.12	0.05	0.64	—	0.64	0.64	—	0.64	—	10,117	10,117	0.90	0.02	—	10,145
Industrial Park	0.52	0.26	4.75	3.99	0.03	0.36	—	0.36	0.36	—	0.36	—	5,673	5,673	0.50	0.01	—	5,689

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
Free-Standing Discount Superstore	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	190	190	0.02	< 0.005	—	190
Strip Mall	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.7	41.7	< 0.005	< 0.005	—	41.8
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
Other Non-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
Total	6.09	3.04	55.4	46.5	0.33	4.21	—	4.21	4.21	—	4.21	—	66,058	66,058	5.85	0.12	—	66,241
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	2.30	1.15	20.9	17.6	0.13	1.59	—	1.59	1.59	—	1.59	—	24,932	24,932	2.21	0.05	—	25,001
Unrefrigerated Warehouse-No Rail	2.31	1.16	21.0	17.7	0.13	1.60	—	1.60	1.60	—	1.60	—	25,104	25,104	2.22	0.05	—	25,173
Manufacturing	0.93	0.47	8.48	7.12	0.05	0.64	—	0.64	0.64	—	0.64	—	10,117	10,117	0.90	0.02	—	10,145
Industrial Park	0.52	0.26	4.75	3.99	0.03	0.36	—	0.36	0.36	—	0.36	—	5,673	5,673	0.50	0.01	—	5,689
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

Free-Standing	0.02	0.01	0.16	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	190	190	0.02	< 0.005	—	190
Strip Mall	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	41.7	41.7	< 0.005	< 0.005	—	41.8
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
Other Non-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
Total	6.09	3.04	55.4	46.5	0.33	4.21	—	4.21	4.21	—	4.21	—	66,058	66,058	5.85	0.12	—	66,241
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	0.42	0.21	3.81	3.20	0.02	0.29	—	0.29	0.29	—	0.29	—	4,128	4,128	0.37	0.01	—	4,139
Unrefrigerated Warehouse-No Rail	0.42	0.21	3.84	3.23	0.02	0.29	—	0.29	0.29	—	0.29	—	4,156	4,156	0.37	0.01	—	4,168
Manufacturing	0.17	0.09	1.55	1.30	0.01	0.12	—	0.12	0.12	—	0.12	—	1,675	1,675	0.15	< 0.005	—	1,680
Industrial Park	0.10	0.05	0.87	0.73	0.01	0.07	—	0.07	0.07	—	0.07	—	939	939	0.08	< 0.005	—	942
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
Free-Standing Discount Superstore	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	31.4	31.4	< 0.005	< 0.005	—	31.5
Strip Mall	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	6.90	6.90	< 0.005	< 0.005	—	6.92
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

Other Non-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
Total	1.11	0.56	10.1	8.49	0.06	0.77	—	0.77	0.77	—	0.77	—	10,937	10,937	0.97	0.02	—	10,967

4.3. Area Emissions by Source

4.3.2. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	183	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	66.2	61.1	3.13	371	0.02	0.50	—	0.50	0.66	—	0.66	—	1,528	1,528	0.06	0.14	—	1,572
Total	66.2	266	3.13	371	0.02	0.50	—	0.50	0.66	—	0.66	—	1,528	1,528	0.06	0.14	—	1,572
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	183	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	21.9	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	205	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	33.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	8.27	7.63	0.39	46.4	< 0.005	0.06	—	0.06	0.08	—	0.08	—	173	173	0.01	0.02	—	178
Total	8.27	45.0	0.39	46.4	< 0.005	0.06	—	0.06	0.08	—	0.08	—	173	173	0.01	0.02	—	178

4.4. Water Emissions by Land Use

4.4.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	236	737	973	24.3	0.59	—	1,754
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	329	835	1,164	33.8	0.81	—	2,252
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	58.9	150	208	6.06	0.15	—	403

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	51.4	131	182	5.29	0.13	—	352
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	10.2	25.9	36.1	1.05	0.03	—	69.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.24	5.69	7.94	0.23	0.01	—	15.4
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	687	1,884	2,571	70.7	1.70	—	4,847
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	236	737	973	24.3	0.59	—	1,754
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	329	835	1,164	33.8	0.81	—	2,252
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	58.9	150	208	6.06	0.15	—	403
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	51.4	131	182	5.29	0.13	—	352

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	10.2	25.9	36.1	1.05	0.03	—	69.9
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.24	5.69	7.94	0.23	0.01	—	15.4
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	687	1,884	2,571	70.7	1.70	—	4,847
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	39.0	122	161	4.02	0.10	—	290
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	54.4	138	193	5.60	0.13	—	373
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	9.75	24.8	34.5	1.00	0.02	—	66.8
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	8.52	21.6	30.1	0.88	0.02	—	58.3
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	1.69	4.29	5.98	0.17	< 0.005	—	11.6
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	0.37	0.94	1.31	0.04	< 0.005	—	2.54
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	114	312	426	11.7	0.28	—	802

4.5. Waste Emissions by Land Use

4.5.2. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,489	0.00	1,489	149	0.00	—	5,211
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2,078	0.00	2,078	208	0.00	—	7,272
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	491	0.00	491	49.1	0.00	—	1,719

Industrial Park	—	—	—	—	—	—	—	—	—	—	—	429	0.00	429	42.9	0.00	—	1,500
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	232	0.00	232	23.2	0.00	—	811
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	12.4	0.00	12.4	1.24	0.00	—	43.5
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4,732	0.00	4,732	473	0.00	—	16,556
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	1,489	0.00	1,489	149	0.00	—	5,211
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	2,078	0.00	2,078	208	0.00	—	7,272
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	491	0.00	491	49.1	0.00	—	1,719
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	429	0.00	429	42.9	0.00	—	1,500

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	232	0.00	232	23.2	0.00	—	811
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	12.4	0.00	12.4	1.24	0.00	—	43.5
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	4,732	0.00	4,732	473	0.00	—	16,556
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	247	0.00	247	24.6	0.00	—	863
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	344	0.00	344	34.4	0.00	—	1,204
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	81.3	0.00	81.3	8.13	0.00	—	285
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	71.0	0.00	71.0	7.10	0.00	—	248
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	38.4	0.00	38.4	3.84	0.00	—	134
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	2.06	0.00	2.06	0.21	0.00	—	7.20
Other Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	783	0.00	783	78.3	0.00	—	2,741

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,997	2,997
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	68.7	68.7
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.0	60.0
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52

Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,126	3,126
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2,997	2,997
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	68.7	68.7
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	60.0	60.0
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.52	0.52
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.11	0.11
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3,126	3,126
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Refrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	496	496
Manufacturing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	11.4	11.4
Industrial Park	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	9.93	9.93
Free-Standing Discount Superstore	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.09	0.09
Strip Mall	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.02	0.02

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	518	518

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

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

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

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

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

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

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

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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

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

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

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

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

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

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

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

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

Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Refrigerated Warehouse-No Rail	3,837	2,181	2,090	1,223,027	11,510	6,544	6,271	3,669,082
Unrefrigerated Warehouse-No Rail	6,224	4,886	4,808	2,128,171	18,672	14,659	14,425	6,384,514
Manufacturing	3,114	977	649	896,690	9,343	2,930	1,947	2,690,070
Industrial Park	1,757	1,324	646	560,737	5,270	3,971	1,938	1,682,212
User Defined Industrial	4,445	3,073	2,854	1,468,054	13,336	9,219	8,563	4,404,163
Free-Standing Discount Superstore	3,586	4,530	3,948	1,376,994	10,758	13,590	11,844	4,130,981
Strip Mall	716	553	269	229,505	2,148	1,658	806	688,515
Other Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	12,812,049	4,270,683	171,975

5.10.3. Landscape Equipment

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Refrigerated Warehouse-No Rail	64,296,476	261	0.0330	0.0040	77,795,496
Unrefrigerated Warehouse-No Rail	18,882,339	261	0.0330	0.0040	78,330,620
Manufacturing	7,033,267	261	0.0330	0.0040	31,568,490
Industrial Park	11,192,220	261	0.0330	0.0040	17,700,673
User Defined Industrial	0.00	261	0.0330	0.0040	0.00
Free-Standing Discount Superstore	975,839	261	0.0330	0.0040	592,217
Strip Mall	214,372	261	0.0330	0.0040	130,098
Other Asphalt Surfaces	0.00	261	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	261	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Refrigerated Warehouse-No Rail	122,985,990	36,730,848
Unrefrigerated Warehouse-No Rail	171,626,489	0.00
Manufacturing	30,746,498	0.00
Industrial Park	26,841,023	0.00
User Defined Industrial	0.00	0.00
Free-Standing Discount Superstore	5,329,267	0.00
Strip Mall	1,170,733	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Refrigerated Warehouse-No Rail	2,764	0.00
Unrefrigerated Warehouse-No Rail	3,857	0.00
Manufacturing	911	0.00
Industrial Park	796	0.00
User Defined Industrial	0.00	0.00
Free-Standing Discount Superstore	430	0.00
Strip Mall	23.1	0.00
Other Asphalt Surfaces	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Refrigerated Warehouse-No Rail	Cold storage	User Defined	150	7.50	7.50	7.50	25.0
Manufacturing	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0
Industrial Park	Other commercial A/C and heat pumps	User Defined	750	0.30	4.00	4.00	18.0
Free-Standing Discount Superstore	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Free-Standing Discount Superstore	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Free-Standing Discount Superstore	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0
Strip Mall	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0
Strip Mall	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00
Strip Mall	Walk-in refrigerators and freezers	R-404A	3,922	< 0.005	7.50	7.50	20.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

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

5.16.2. Process Boilers

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

5.17. User Defined

Equipment Type	Fuel Type
—	—

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

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

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	28.5	annual days of extreme heat
Extreme Precipitation	1.90	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	21.3	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider different increments of sea level rise coupled with extreme storm events. Users may select from four model simulations to view the range in potential inundation depth for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 50 meters (m) by 50 m, or about 164 feet (ft) by 164 ft.
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

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

Snowpack 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	53.3
AQ-DPM	47.8
Drinking Water	10.2
Lead Risk Housing	22.0
Pesticides	58.8
Toxic Releases	37.7
Traffic	81.9
Effect Indicators	—
CleanUp Sites	69.4
Groundwater	0.00
Haz Waste Facilities/Generators	53.5
Impaired Water Bodies	0.00
Solid Waste	40.1
Sensitive Population	—
Asthma	65.6
Cardio-vascular	90.6
Low Birth Weights	62.9
Socioeconomic Factor Indicators	—
Education	74.7
Housing	57.9
Linguistic	53.4
Poverty	64.5
Unemployment	15.8

7.2. Healthy Places Index Scores

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

Indicator	Result for Project Census Tract
Economic	—
Above Poverty	36.04516874
Employed	38.00846914
Median HI	53.00911074
Education	—
Bachelor's or higher	28.6154241
High school enrollment	100
Preschool enrollment	5.440780187
Transportation	—
Auto Access	94.58488387
Active commuting	6.723983062
Social	—
2-parent households	87.71974849
Voting	9.636853587
Neighborhood	—
Alcohol availability	84.04978827
Park access	11.88245862
Retail density	29.21852945
Supermarket access	12.06210702
Tree canopy	0.590273322
Housing	—
Homeownership	79.23777749
Housing habitability	40.67753112
Low-inc homeowner severe housing cost burden	12.19042731
Low-inc renter severe housing cost burden	27.61452586
Uncrowded housing	47.8121391

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

Children	35.2
Elderly	90.4
English Speaking	42.3
Foreign-born	59.5
Outdoor Workers	11.9
Climate Change Adaptive Capacity	—
Impervious Surface Cover	72.4
Traffic Density	65.3
Traffic Access	23.0
Other Indices	—
Hardship	70.6
Other Decision Support	—
2016 Voting	23.4

7.3. Overall Health & Equity Scores

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

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & 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
Operations: Vehicle Data	Trip rates based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate industrial passenger cars and trucks
Operations: Water and Waste Water	Water usage estimates based on Project WSA
Operations: Refrigerants	As of 1 January 2022, new commercial refrigeration equipment may not use refrigerants with a GWP of 150 or greater. Beginning 1 January 2025, all new air conditioning equipment may not use refrigerants with a GWP of 750 or greater.

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APPENDIX 3.4:

AERMOD LST MODELING OUTPUTS

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/2/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Cons\13265 Cons CO\13265
Cons CO.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 1 8
   URBANOPT 2189641 Riverside_County
   POLLUTID CO
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Cons CO.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484610.109  3740632.130      433.870
   LOCATION VOL4         VOLUME     484608.032  3740854.507      438.630
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484429.548  3741072.747      477.830
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
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   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485299.542  3742597.842      431.000
   LOCATION VOL49        VOLUME     485422.827  3742741.720      431.000
   LOCATION VOL50        VOLUME     485422.827  3742529.910      431.000
   LOCATION VOL51        VOLUME     485303.015  3742382.284      431.000
   LOCATION VOL52        VOLUME     485403.571  3742354.470      431.000
   LOCATION VOL53        VOLUME     485161.807  3742202.566      431.000
   LOCATION VOL54        VOLUME     484432.237  3740852.539      472.110
   LOCATION VOL55        VOLUME     484607.676  3740418.220      431.050
   LOCATION VOL56        VOLUME     484611.955  3740259.896      430.000
   LOCATION VOL57        VOLUME     484430.097  3740264.175      431.980
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   SRCPARAM VOL2         0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL3         0.0867781767     5.000    50.305     1.400
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   SRCPARAM VOL7         0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL8         0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL10        0.0867781767     5.000    50.305     1.400
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   SRCPARAM VOL18        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL19        0.0867781767     5.000    50.305     1.400
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   SRCPARAM VOL25        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL26        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL27        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL28        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL29        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL30        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL31        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL33        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL34        0.0867781767     5.000    50.305     1.400
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   SRCPARAM VOL36        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL37        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL38        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL39        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL40        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL41        0.0867781767     5.000    50.305     1.400
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   SRCPARAM VOL52        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL53        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL54        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL55        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL56        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL57        0.0867781767     5.000    50.305     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
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** WeekDays:
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   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
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** 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
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   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
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   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
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   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   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
** 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 VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

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   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
****************************************
** AERMOD Receptor Pathway
****************************************
**
**
RE STARTING
   INCLUDED "13265 Cons CO.rou"
RE FINISHED
**
****************************************
```

```
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "13265 CONS CO.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "13265 CONS CO.AD\08H1GALL.PLT" 32
   SUMMFILE "13265 Cons CO.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/2/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Cons\13265 Cons CO\13265
Cons CO.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 1 8
   URBANOPT 2189641 Riverside_County
   POLLUTID CO
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Cons CO.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484610.109  3740632.130      433.870
   LOCATION VOL4         VOLUME     484608.032  3740854.507      438.630
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484429.548  3741072.747      477.830
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
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   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485299.542  3742597.842      431.000
   LOCATION VOL49        VOLUME     485422.827  3742741.720      431.000
   LOCATION VOL50        VOLUME     485422.827  3742529.910      431.000
   LOCATION VOL51        VOLUME     485303.015  3742382.284      431.000
   LOCATION VOL52        VOLUME     485403.571  3742354.470      431.000
   LOCATION VOL53        VOLUME     485161.807  3742202.566      431.000
   LOCATION VOL54        VOLUME     484432.237  3740852.539      472.110
   LOCATION VOL55        VOLUME     484607.676  3740418.220      431.050
   LOCATION VOL56        VOLUME     484611.955  3740259.896      430.000
   LOCATION VOL57        VOLUME     484430.097  3740264.175      431.980
** Source Parameters **
   SRCPARAM VOL1         0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL2         0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL3         0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL4         0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL5         0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL6         0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL7         0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL8         0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL10        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL11        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL12        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL13        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL14        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL15        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL16        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL17        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL18        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL19        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL20        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL21        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL22        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL23        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL24        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL25        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL26        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL27        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL28        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL29        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL30        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL31        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL33        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL34        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL35        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL36        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL37        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL38        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL39        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL40        0.0867781767     5.000    50.305     1.400
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   SRCPARAM VOL41        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL42        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL43        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL44        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL45        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL46        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL47        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL48        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL49        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL50        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL51        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL52        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL53        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL54        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL55        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL56        0.0867781767     5.000    50.305     1.400
   SRCPARAM VOL57        0.0867781767     5.000    50.305     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
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** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   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
** 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 VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Cons CO.rou"
RE FINISHED
**
```

```
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "13265 CONS CO.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "13265 CONS CO.AD\08H1GALL.PLT" 32
   SUMMFILE "13265 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    1001       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187    1001       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

                     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    55 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:     55 Source(s);       1 Source Group(s); and     201 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     55 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) =   442.00 ;  Decay Coef. =
0.000     ;  Rot. Angle =     0.0
                Emission Units = GRAMS/SEC                                ;  Emission Rate
                Unit Factor =   0.10000E+07
                Output Units   = MICROGRAMS/M**3

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

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

**Detailed Error/Message File:   13265 Cons
CO.err
**File for Summary of Results:   13265 Cons
CO.sum
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
```

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
VOL1	0	0.86778E-01	484430.8	3740413.0	434.6	5.00	50.30	1.40	YES HRDOW
VOL2	0	0.86778E-01	484431.8	3740634.3	442.9	5.00	50.30	1.40	YES HRDOW
VOL3	0	0.86778E-01	484610.1	3740632.1	433.9	5.00	50.30	1.40	YES HRDOW
VOL4	0	0.86778E-01	484608.0	3740854.5	438.6	5.00	50.30	1.40	YES HRDOW
VOL5	0	0.86778E-01	484604.9	3741070.8	448.3	5.00	50.30	1.40	YES HRDOW
VOL6	0	0.86778E-01	484429.5	3741072.7	477.8	5.00	50.30	1.40	YES HRDOW
VOL7	0	0.86778E-01	484433.8	3741291.0	468.5	5.00	50.30	1.40	YES HRDOW
VOL8	0	0.86778E-01	484618.6	3741291.0	453.1	5.00	50.30	1.40	YES HRDOW
VOL10	0	0.86778E-01	484435.7	3741505.4	465.8	5.00	50.30	1.40	YES HRDOW
VOL11	0	0.86778E-01	484626.5	3741507.4	449.9	5.00	50.30	1.40	YES HRDOW
VOL12	0	0.86778E-01	484733.4	3741510.5	442.6	5.00	50.30	1.40	YES HRDOW
VOL13	0	0.86778E-01	484433.8	3741727.6	465.1	5.00	50.30	1.40	YES HRDOW
VOL14	0	0.86778E-01	484652.0	3741727.6	445.5	5.00	50.30	1.40	YES HRDOW
VOL15	0	0.86778E-01	484870.3	3741729.6	436.0	5.00	50.30	1.40	YES HRDOW
VOL16	0	0.86778E-01	484435.7	3741947.8	459.9	5.00	50.30	1.40	YES HRDOW
VOL17	0	0.86778E-01	484607.2	3741945.9	448.5	5.00	50.30	1.40	YES HRDOW
VOL18	0	0.86778E-01	484772.0	3741947.8	440.5	5.00	50.30	1.40	YES HRDOW
VOL19	0	0.86778E-01	484970.2	3741949.8	431.7	5.00	50.30	1.40	YES HRDOW
VOL20	0	0.86778E-01	484435.7	3742166.1	456.5	5.00	50.30	1.40	YES HRDOW
VOL21	0	0.86778E-01	484641.8	3742166.1	447.2	5.00	50.30	1.40	YES HRDOW
VOL22	0	0.86778E-01	484841.6	3742164.5	439.2	5.00	50.30	1.40	YES HRDOW
VOL23	0	0.86778E-01	485044.6	3742165.3	431.2	5.00	50.30	1.40	YES HRDOW
VOL24	0	0.86778E-01	484436.5	3742387.3	456.4	5.00	50.30	1.40	YES HRDOW
VOL25	0	0.86778E-01	484650.5	3742382.3	447.5	5.00	50.30	1.40	

YES HRDOW
VOL26 0 0.86778E-01 484867.8 3742382.3 439.7 5.00 50.30 1.40
YES HRDOW
VOL27 0 0.86778E-01 485083.4 3742384.0 431.9 5.00 50.30 1.40
YES HRDOW
VOL28 0 0.86778E-01 484436.5 3742601.3 456.4 5.00 50.30 1.40
YES HRDOW
VOL29 0 0.86778E-01 484653.8 3742597.9 449.2 5.00 50.30 1.40
YES HRDOW
VOL30 0 0.86778E-01 484869.4 3742597.9 442.0 5.00 50.30 1.40
YES HRDOW
VOL31 0 0.86778E-01 485086.7 3742599.6 434.8 5.00 50.30 1.40
YES HRDOW
VOL33 0 0.86778E-01 484438.2 3742815.2 461.4 5.00 50.30 1.40
YES HRDOW
VOL34 0 0.86778E-01 484653.8 3742813.5 453.1 5.00 50.30 1.40
YES HRDOW
VOL35 0 0.86778E-01 484871.1 3742813.5 444.9 5.00 50.30 1.40
YES HRDOW
VOL36 0 0.86778E-01 485086.7 3742815.2 439.0 5.00 50.30 1.40
YES HRDOW
VOL37 0 0.86778E-01 485297.3 3742815.2 433.7 5.00 50.30 1.40
YES HRDOW
VOL38 0 0.86778E-01 484520.1 3742913.8 459.9 5.00 50.30 1.40
YES HRDOW
VOL39 0 0.86778E-01 484657.2 3743029.2 456.3 5.00 50.30 1.40
YES HRDOW
VOL40 0 0.86778E-01 484869.4 3743029.2 448.1 5.00 50.30 1.40
YES HRDOW
VOL41 0 0.86778E-01 485081.7 3743032.5 443.0 5.00 50.30 1.40
YES HRDOW
VOL42 0 0.86778E-01 485299.0 3743034.2 438.7 5.00 50.30 1.40
YES HRDOW

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE VARY BY
VOL43	0	0.86778E-01	485424.4	3742957.3	433.2	5.00	50.30	1.40	YES HRDOW
VOL44	0	0.86778E-01	485422.7	3743172.9	437.1	5.00	50.30	1.40	YES HRDOW
VOL45	0	0.86778E-01	484844.4	3743194.6	451.9	5.00	50.30	1.40	YES HRDOW
VOL46	0	0.86778E-01	485065.0	3743244.8	447.2	5.00	50.30	1.40	YES HRDOW
VOL47	0	0.86778E-01	485208.7	3743248.1	443.7	5.00	50.30	1.40	YES HRDOW
VOL48	0	0.86778E-01	485299.5	3742597.8	431.0	5.00	50.30	1.40	YES HRDOW
VOL49	0	0.86778E-01	485422.8	3742741.7	431.0	5.00	50.30	1.40	

```
 YES   HRDOW
 VOL50            0   0.86778E-01  485422.8 3742529.9   431.0     5.00    50.30     1.40
 YES   HRDOW
 VOL51            0   0.86778E-01  485303.0 3742382.3   431.0     5.00    50.30     1.40
 YES   HRDOW
 VOL52            0   0.86778E-01  485403.6 3742354.5   431.0     5.00    50.30     1.40
 YES   HRDOW
 VOL53            0   0.86778E-01  485161.8 3742202.6   431.0     5.00    50.30     1.40
 YES   HRDOW
 VOL54            0   0.86778E-01  484432.2 3740852.5   472.1     5.00    50.30     1.40
 YES   HRDOW
 VOL55            0   0.86778E-01  484607.7 3740418.2   431.1     5.00    50.30     1.40
 YES   HRDOW
 VOL56            0   0.86778E-01  484612.0 3740259.9   430.0     5.00    50.30     1.40
 YES   HRDOW
 VOL57            0   0.86778E-01  484430.1 3740264.2   432.0     5.00    50.30     1.40
 YES   HRDOW
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

                     PAGE   4
 *** 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        ,

             VOL10       , VOL11       , VOL12       , VOL13       , VOL14       , VOL15       ,
             VOL16       , VOL17       ,

             VOL18       , VOL19       , VOL20       , VOL21       , VOL22       , VOL23       ,
             VOL24       , VOL25       ,

             VOL26       , VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
             VOL33       , VOL34       ,

             VOL35       , VOL36       , VOL37       , VOL38       , VOL39       , VOL40       ,
             VOL41       , VOL42       ,

             VOL43       , VOL44       , VOL45       , VOL46       , VOL47       , VOL48       ,
             VOL49       , VOL50       ,

             VOL51       , VOL52       , VOL53       , VOL54       , VOL55       , VOL56       ,
             VOL57       ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

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


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

  URBAN ID   URBAN POP                                 SOURCE IDs
  --------   ---------                                 ----------
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```
             2189641.   VOL1        , VOL2        , VOL3        , VOL4        , VOL5        ,
             VOL6        , VOL7        ,
 VOL8        ,

             VOL10       , VOL11       , VOL12       , VOL13       , VOL14       , VOL15       ,
             VOL16       , VOL17       ,

             VOL18       , VOL19       , VOL20       , VOL21       , VOL22       , VOL23       ,
             VOL24       , VOL25       ,

             VOL26       , VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
             VOL33       , VOL34       ,

             VOL35       , VOL36       , VOL37       , VOL38       , VOL39       , VOL40       ,
             VOL41       , VOL42       ,

             VOL43       , VOL44       , VOL45       , VOL46       , VOL47       , VOL48       ,
             VOL49       , VOL50       ,

             VOL51       , VOL52       , VOL53       , VOL54       , VOL55       , VOL56       ,
             VOL57       ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** 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 = VOL1         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        17:37:47

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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
```

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

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = VOL5 ; SOURCE TYPE = VOLUME :

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

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

                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

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

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

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

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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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47
```

*** 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
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	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 = VOL13 ; SOURCE TYPE = VOLUME :

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

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        17:37:47

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        17:37:47

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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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

```
                    (HRDOW) *

 SOURCE ID = VOL19        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
␌ *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***       05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***       17:37:47

                       PAGE  24
 *** 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
␌ *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
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* 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

* 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

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

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

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :

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

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

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

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

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

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = 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

* 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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                     ***        17:37:47

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                     ***        17:37:47

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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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = 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										

                   * 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

                   * 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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

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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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = VOL37 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL38 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = VOL39 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = 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								

* 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

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

* 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

```
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        17:37:47

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        17:37:47

                        PAGE  48
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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* 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = 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

* 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					

DAY OF WEEK = SUNDAY

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

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

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

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

SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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

SOURCE ID = VOL50 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

```
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

                     PAGE  54
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL51        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

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

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

 SOURCE ID = VOL52        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
```

```
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 = VOL53        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 = VOL54 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\ *** 05/02/23
*** AERMET - VERSION 16216 ***
*** *** 17:37:47

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

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

SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

```
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

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

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

 SOURCE ID = VOL56        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47

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

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

 SOURCE ID = VOL57        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
```

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

(483662.3, 3742990.9, 490.5, 817.0, 2.0); (483660.9, 3743037.8, 489.1, 817.0, 2.0);
(483632.7, 3742966.8, 490.2, 817.0, 2.0); (483627.2, 3742954.5, 491.7, 817.0, 2.0);
(483594.9, 3742937.7, 491.3, 817.0, 2.0); (483590.4, 3742925.4, 492.1, 817.0, 2.0);
(483326.9, 3742783.9, 488.8, 765.0, 2.0); (483322.8, 3742801.6, 486.9, 765.0, 2.0);
(483251.4, 3742776.6, 488.3, 765.0, 2.0); (483477.5, 3742955.4, 479.9, 817.0, 2.0);
(483360.2, 3742974.4, 474.4, 817.0, 2.0); (483306.1, 3742974.8, 473.3, 817.0, 2.0);
(483361.9, 3743014.1, 473.1, 817.0, 2.0); (483093.6, 3742973.4, 467.5, 765.0, 2.0);
(483361.3, 3743031.5, 472.7, 817.0, 2.0); (483360.0, 3743046.3, 472.7, 817.0, 2.0);
(483359.3, 3743062.7, 472.4, 817.0, 2.0); (483358.8, 3743077.8, 471.9, 817.0, 2.0);
(483358.6, 3743093.1, 471.4, 817.0, 2.0); (483358.6, 3743108.2, 470.9, 817.0, 2.0);
(483359.1, 3743122.8, 470.6, 817.0, 2.0); (483219.9, 3742777.5, 488.1, 765.0, 2.0);
(483188.2, 3742774.0, 488.1, 765.0, 2.0); (483154.5, 3742774.0, 486.2, 765.0, 2.0);
(487352.8, 3742161.7, 438.6, 817.0, 2.0); (487594.1, 3742883.9, 438.0, 817.0, 2.0);
(487740.6, 3742878.4, 440.0, 817.0, 2.0); (487781.3, 3742945.8, 440.0, 817.0, 2.0);
(487901.0, 3742678.9, 444.0, 817.0, 2.0); (487832.0, 3742515.9, 444.0, 817.0, 2.0);
(487713.5, 3742284.6, 443.8, 817.0, 2.0); (487751.0, 3742334.2, 444.0, 817.0, 2.0);
(487773.1, 3742367.1, 444.0, 817.0, 2.0); (487208.3, 3741774.0, 442.7, 442.7, 2.0);
(487676.3, 3741967.0, 444.0, 444.0, 2.0); (487659.2, 3741865.1, 444.0, 444.0, 2.0);
(487452.2, 3741715.0, 444.0, 444.0, 2.0); (487493.0, 3741728.4, 444.1, 444.1, 2.0);
(487419.5, 3741700.0, 444.2, 444.2, 2.0); (486863.5, 3741608.5, 442.1, 442.1, 2.0);
(483305.4, 3742774.7, 489.4, 765.0, 2.0); (483252.4, 3742826.8, 480.7, 765.0, 2.0);
(483248.0, 3742883.9, 476.5, 765.0, 2.0); (483271.0, 3742977.4,

472.3, 817.0, 2.0);
(483236.4, 3742974.4, 471.3, 817.0, 2.0); (483204.2, 3742969.9,
470.4, 816.0, 2.0);
(483020.3, 3742969.9, 466.9, 765.0, 2.0); (482990.5, 3742969.4,
466.2, 765.0, 2.0);
(482948.5, 3742964.6, 466.0, 765.0, 2.0); (482511.1, 3742964.1,
459.5, 765.0, 2.0);
(482169.1, 3742722.0, 464.6, 765.0, 2.0); (482205.4, 3742635.3,
467.8, 765.0, 2.0);
(482226.6, 3742575.1, 467.5, 765.0, 2.0); (482236.8, 3742526.7,
467.2, 765.0, 2.0);
(482300.1, 3742439.2, 469.5, 765.0, 2.0); (482300.1, 3742368.1,
466.4, 765.0, 2.0);
(482300.1, 3742329.5, 463.9, 765.0, 2.0); (482300.1, 3742219.7,
461.8, 765.0, 2.0);
(482300.8, 3742167.1, 460.9, 765.0, 2.0); (482291.7, 3742092.5,
458.3, 765.0, 2.0);
(482290.2, 3741997.9, 458.0, 765.0, 2.0); (482287.9, 3741884.7,
454.9, 765.0, 2.0);
(482291.0, 3741799.2, 451.2, 765.0, 2.0); (482896.8, 3741725.4,
464.6, 765.0, 2.0);
(482014.2, 3741605.1, 443.9, 765.0, 2.0); (481759.7, 3741616.2,
440.3, 765.0, 2.0);
(481782.5, 3741558.9, 441.0, 765.0, 2.0); (481738.7, 3741497.2,
440.0, 765.0, 2.0);
(482899.2, 3741347.8, 456.0, 765.0, 2.0); (482905.5, 3741318.6,
456.0, 765.0, 2.0);
(483094.8, 3741257.0, 460.7, 765.0, 2.0); (483086.1, 3741104.7,
456.5, 765.0, 2.0);
(483094.0, 3740957.5, 454.9, 765.0, 2.0); (483086.1, 3740568.1,
451.5, 585.0, 2.0);
(483009.2, 3740676.8, 450.0, 585.0, 2.0); (482810.6, 3740169.8,
439.9, 439.9, 2.0);
(482698.8, 3740092.2, 437.7, 437.7, 2.0); (482380.1, 3739846.6,
434.0, 434.0, 2.0);
(482715.4, 3739916.3, 435.3, 435.3, 2.0); (482244.7, 3739706.9,
432.7, 432.7, 2.0);
(482220.6, 3739522.6, 432.0, 432.0, 2.0); (480667.0, 3738428.5,
432.0, 432.0, 2.0);
(484755.3, 3740097.2, 430.0, 533.0, 2.0); (485120.8, 3740097.2,
432.0, 432.0, 2.0);
(485335.3, 3739977.1, 433.0, 433.0, 2.0); (485534.8, 3740109.1,
434.0, 434.0, 2.0);
(485966.3, 3739987.3, 443.8, 800.0, 2.0); (485941.6, 3739925.6,
443.7, 800.0, 2.0);
(485621.3, 3740251.5, 434.5, 434.5, 2.0); (485943.6, 3739842.8,
444.1, 800.0, 2.0);

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

(485942.0, 3739796.7, 444.7, 811.0, 2.0); (485915.8, 3740153.5,
439.8, 800.0, 2.0);
(485964.5, 3740221.6, 438.5, 800.0, 2.0); (485690.2, 3740369.5,
434.3, 434.3, 2.0);
(485710.3, 3740401.3, 434.5, 434.5, 2.0); (485747.4, 3740462.6,
434.1, 434.1, 2.0);
(485787.5, 3740530.0, 434.0, 434.0, 2.0); (485847.4, 3740607.3,

434.0,	434.0,	2.0);
(485870.5, 3740093.4,	439.8,	800.0,	2.0);	(486164.9, 3740527.6,
438.0,	800.0,	2.0);
(486230.3, 3740623.1,	438.0,	800.0,	2.0);	(486330.8, 3740777.2,
439.7,	800.0,	2.0);
(486099.6, 3740920.9,	436.0,	436.0,	2.0);	(486230.6, 3740573.4,
438.4,	800.0,	2.0);
(486472.3, 3741103.2,	440.0,	440.0,	2.0);	(486495.6, 3741156.2,
440.1,	440.1,	2.0);
(486505.7, 3741190.3,	440.0,	440.0,	2.0);	(486565.2, 3741320.1,
439.0,	439.0,	2.0);
(486507.2, 3741478.9,	437.6,	765.0,	2.0);	(486592.8, 3741437.6,
438.4,	438.4,	2.0);
(486467.5, 3741620.8,	436.2,	817.0,	2.0);	(486455.4, 3741644.5,
436.0,	817.0,	2.0);
(486633.2, 3741551.2,	439.0,	765.0,	2.0);	(486717.5, 3741579.2,
440.6,	440.6,	2.0);
(486897.7, 3741647.7,	442.0,	442.0,	2.0);	(486752.2, 3741648.3,
440.7,	440.7,	2.0);
(487191.5, 3741622.8,	444.8,	444.8,	2.0);	(487025.9, 3741639.9,
444.0,	444.0,	2.0);
(487133.3, 3741576.5,	445.3,	445.3,	2.0);	(488012.2, 3743217.0,
442.0,	817.0,	2.0);
(487998.8, 3743333.8,	441.3,	817.0,	2.0);	(488029.1, 3743389.4,
441.3,	817.0,	2.0);
(488022.0, 3743408.6,	441.0,	817.0,	2.0);	(483362.0, 3743140.4,
470.7,	817.0,	2.0);
(483361.3, 3743154.3,	470.4,	817.0,	2.0);	(483360.7, 3743170.7,
469.9,	817.0,	2.0);
(483360.0, 3743171.3,	469.8,	817.0,	2.0);	(483361.0, 3743184.2,
469.4,	817.0,	2.0);
(483361.3, 3743200.3,	468.9,	817.0,	2.0);	(483362.0, 3743217.4,
468.7,	817.0,	2.0);
(483362.0, 3743230.9,	468.7,	817.0,	2.0);	(483362.0, 3743247.9,
468.3,	817.0,	2.0);
(483362.0, 3743261.1,	467.9,	817.0,	2.0);	(483363.6, 3743276.9,
467.8,	817.0,	2.0);
(483366.1, 3743297.8,	467.9,	817.0,	2.0);	(483342.6, 3743400.5,
466.2,	817.0,	2.0);
(482875.3, 3743418.0,	454.0,	817.0,	2.0);	(482893.9, 3743449.0,
454.1,	817.0,	2.0);
(482802.6, 3743396.8,	453.1,	817.0,	2.0);	(482881.8, 3743436.5,
454.0,	817.0,	2.0);
(482070.3, 3742959.5,	446.7,	765.0,	2.0);	(482359.5, 3742961.8,
454.5,	765.0,	2.0);
(488147.6, 3744011.1,	437.0,	817.0,	2.0);	(488355.6, 3743593.9,
444.0,	817.0,	2.0);
(487855.3, 3743109.8,	441.0,	817.0,	2.0);	(487831.3, 3743023.5,
440.7,	817.0,	2.0);
(485884.3, 3741909.5,	431.0,	817.0,	2.0);	(485820.3, 3741815.9,
431.0,	817.0,	2.0);
(485772.7, 3741740.4,	431.0,	817.0,	2.0);	(485707.0, 3741661.6,
431.0,	817.0,	2.0);
(485649.6, 3741582.8,	431.0,	817.0,	2.0);	(485579.0, 3741477.8,
431.0,	817.0,	2.0);
(485505.1, 3741362.8,	431.0,	765.0,	2.0);	(485441.1, 3741261.1,
431.0,	765.0,	2.0);
(485595.4, 3741187.2,	431.1,	765.0,	2.0);	(486002.5, 3741875.0,
432.0,	817.0,	2.0);
(485745.1, 3741113.1,	432.0,	765.0,	2.0);	(485695.9, 3741010.1,
432.0,	765.0,	2.0);
(485643.3, 3740916.6,	432.0,	765.0,	2.0);	(485574.4, 3740788.5,
432.0,	765.0,	2.0);
(485518.6, 3740660.5,	433.0,	765.0,	2.0);	(485431.6, 3740497.9,
433.0,	433.0,	2.0);
(485357.7, 3740369.9,	432.0,	432.0,	2.0);	(485292.0, 3740246.8,

```
    432.0,     432.0,       2.0);
    ( 485243.3, 3740149.9,     432.0,     432.0,       2.0);         ( 484701.0, 3740109.8,
    430.0,     533.0,       2.0);
    ( 484611.2, 3740109.8,     430.0,     533.0,       2.0);         ( 484525.5, 3740111.8,
    430.0,     533.0,       2.0);
    ( 484424.7, 3740110.8,     430.0,     585.0,       2.0);         ( 484326.9, 3740110.8,
    431.1,     585.0,       2.0);
    ( 484236.1, 3740110.8,     432.0,     585.0,       2.0);         ( 484149.4, 3740109.8,
    432.8,     585.0,       2.0);
    ( 484067.8, 3740108.8,     432.9,     585.0,       2.0);         ( 483983.0, 3740110.8,
    433.9,     585.0,       2.0);
    ( 484306.2, 3740724.7,     457.8,     765.0,       2.0);         ( 484307.1, 3740669.0,
    451.3,     765.0,       2.0);
    ( 484305.4, 3740611.5,     447.8,     765.0,       2.0);         ( 484303.0, 3740549.6,
    444.8,     765.0,       2.0);
    ( 484307.1, 3740473.3,     439.6,     765.0,       2.0);         ( 484305.5, 3740397.7,
    437.2,     765.0,       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)

    ( 484303.8, 3740309.1,     434.4,     585.0,       2.0);         ( 484302.2, 3740233.5,
    432.9,     585.0,       2.0);
    ( 484294.0, 3742079.4,     469.2,     765.0,       2.0);         ( 484294.0, 3742181.3,
    466.6,     817.0,       2.0);
    ( 484290.7, 3742271.6,     465.6,     817.0,       2.0);         ( 484294.0, 3742384.9,
    463.4,     817.0,       2.0);
    ( 484289.0, 3742490.0,     463.7,     817.0,       2.0);         ( 484290.7, 3742596.8,
    463.5,     817.0,       2.0);
    ( 484289.0, 3742711.7,     465.3,     817.0,       2.0);         ( 484272.6, 3742813.5,
    468.8,     817.0,       2.0);
    ( 484251.3, 3742890.7,     474.4,     817.0,       2.0);         ( 483927.7, 3743317.7,
    622.8,     765.0,       2.0);
    ( 485532.6, 3743420.2,     437.9,     817.0,       2.0);         ( 485459.0, 3743418.2,
    440.4,     817.0,       2.0);
    ( 485383.4, 3743416.1,     442.9,     817.0,       2.0);         ( 485290.6, 3743410.1,
    445.0,     817.0,       2.0);
    ( 485192.7, 3743405.0,     447.0,     817.0,       2.0);         ( 485106.0, 3743406.1,
    450.8,     817.0,       2.0);
    ( 485005.1, 3743407.1,     451.2,     817.0,       2.0);         ( 484905.3, 3743410.1,
    456.4,     817.0,       2.0);
    ( 486942.5, 3743532.8,     432.0,     817.0,
    2.0);
```

```
 *** 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 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 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
          1   1 1 1 1 1 1 1 1 1 1
          1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

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

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name:
UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WD	WS HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30				

```
 99.    9.1  277.0    5.5
 10 01 01   1 08   -3.3  0.086 -9.000 -9.000 -999.   61.     16.8  0.19   0.61   0.54    0.90
 319.    9.1  278.8    5.5
 10 01 01   1 09   20.1  0.128  0.307  0.010   49.  110.     -9.0  0.19   0.61   0.33    0.90
 239.    9.1  284.2    5.5
 10 01 01   1 10   56.7  0.087  0.560  0.010  107.   62.     -1.0  0.19   0.61   0.26    0.40
 188.    9.1  289.2    5.5
 10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61   0.23    2.70
 310.    9.1  290.9    5.5
 10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61   0.22    2.20
 357.    9.1  293.1    5.5
 10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61   0.22    2.20
 356.    9.1  293.8    5.5
 10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61   0.23    2.20
 50.    9.1  294.2    5.5
 10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61   0.27    1.80
 53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
 11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
 351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
 181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
 318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
 332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        17:37:47

                     PAGE  66
 *** 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        , VOL10       , VOL11       ,
                  VOL12       , VOL13       , VOL14       ,
                  VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                  VOL20       , VOL21       , VOL22       ,
                  VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                  VOL28       , VOL29       ,  . . .      ,

                                        *** DISCRETE CARTESIAN RECEPTOR POINTS ***

                                     ** CONC OF CO       IN
                                     MICROGRAMS/M**3                          **
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X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)	X-COORD (M)	Y-COORD (M)	CONC	(YYMMDDHH)
483662.28	3742990.90	19.11869	(10121516)	483660.92	3743037.77	18.86687	(10121516)
483632.71	3742966.78	18.57045	(10121516)	483627.25	3742954.49	18.67779	(10121516)
483594.94	3742937.66	18.09955	(10121516)	483590.39	3742925.37	18.08075	(10121516)
483326.92	3742783.86	13.56055	(10121516)	483322.83	3742801.60	13.30229	(10121516)
483251.38	3742776.57	12.66449	(10121516)	483477.54	3742955.40	13.80556	(10121516)
483360.24	3742974.39	11.30258	(10121516)	483306.13	3742974.79	10.53309	(10121516)
483361.93	3743014.11	11.02870	(10121516)	483093.56	3742973.36	7.61434	(10121516)
483361.29	3743031.51	10.91699	(10121516)	483359.96	3743046.35	10.90684	(10121516)
483359.27	3743062.67	10.83848	(10121516)	483358.76	3743077.79	10.69566	(10121516)
483358.58	3743093.09	10.56292	(10121516)	483358.58	3743108.21	10.42549	(10121516)
483359.10	3743122.81	10.35929	(10121516)	483219.94	3742777.51	12.34754	(10121516)
483188.19	3742774.03	12.02570	(10121516)	483154.49	3742774.03	11.39591	(10121516)
487352.85	3742161.74	3.24128	(10121516)	487594.10	3742883.93	2.74341	(10121516)
487740.59	3742878.41	2.52487	(10121516)	487781.26	3742945.81	2.45361	(10121516)
487900.95	3742678.93	2.34524	(10121516)	487832.01	3742515.86	2.44920	(10121516)
487713.48	3742284.61	2.61955	(10121516)	487751.05	3742334.19	2.56601	(10121516)
487773.13	3742367.11	2.53485	(10121516)	487208.30	3741773.97	3.42330	(10121516)
487676.34	3741966.97	2.64025	(10121516)	487659.19	3741865.11	2.64522	(10121516)
487452.24	3741714.99	2.92943	(10121516)	487492.98	3741728.39	2.86595	(10121516)
487419.53	3741699.98	2.98005	(10121516)	486863.50	3741608.53	4.17770	(10121516)
483305.42	3742774.69	13.35638	(10121516)	483252.39	3742826.78	11.22474	(10121516)
483248.01	3742883.93	10.51578	(10121516)	483271.02	3742977.45	9.95100	(10121516)
483236.43	3742974.42	9.39380	(10121516)	483204.18	3742969.89	8.89430	(10121516)
483020.32	3742969.89	7.04116	(10121516)	482990.46	3742969.37	6.74894	(10121516)
482948.55	3742964.65	6.46987	(10121516)	482511.10	3742964.13	3.85354	(10121516)
482169.09	3742721.99	3.12117	(10121516)	482205.43	3742635.31	3.26592	(10121516)
482226.62	3742575.13	3.22161	(10121516)	482236.84	3742526.68	3.17532	(10121516)
482300.06	3742439.24	3.32116	(10121516)	482300.06	3742368.08	3.16479	(10121516)
482300.06	3742329.47	3.12675	(10121516)	482300.06	3742219.70	3.13009	(10121516)
482300.81	3742167.09	3.14614	(10121516)	482291.73	3742092.52	3.16592	(10121516)
482290.21	3741997.89	3.18781	(10121516)	482287.94			

3741884.71 3.19992 (10121516)
482290.97 3741799.17 3.19641 (10121516) 482896.84
3741725.43 7.70079 (10122116)
482014.24 3741605.12 2.69475 (10121516) 481759.68
3741616.21 2.35133 (10121516)
481782.49 3741558.89 2.37213 (10121516) 481738.72
3741497.25 2.32350 (10012109)
482899.19 3741347.84 7.83728 (10122116) 482905.50
3741318.60 8.01662 (10122116)
483094.76 3741256.97 10.75469 (10122116) 483086.06
3741104.69 9.63818 (10122116)
483094.04 3740957.48 8.72118 (10122116) 483086.06
3740568.07 5.72641 (11010316)
483009.20 3740676.84 5.69942 (11010316) 482810.58
3740169.82 4.20282 (11010316)
482698.82 3740092.19 3.95171 (11010316) 482380.08
3739846.62 3.33601 (11010316)
482715.43 3739916.28 3.40418 (11010316) 482244.68
3739706.94 3.06205 (11010316)

*** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
482220.64	3739522.63	2.66285	(11010316)	480667.03	3738428.48	1.83736	(10113009)
484755.27	3740097.17	14.65538	(10121516)	485120.82	3740097.17	7.92543	(10121516)
485335.35	3739977.14	5.83889	(10121516)	485534.79	3740109.14	5.53233	(10121516)
485966.31	3739987.30	3.96143	(10121516)	485941.65	3739925.65	3.88724	(10121516)
485621.34	3740251.52	5.67067	(10121516)	485943.59	3739842.81	3.71821	(10121516)
485942.02	3739796.70	3.65105	(16122216)	485915.82	3740153.53	4.43988	(10121516)
485964.55	3740221.65	4.46510	(10121516)	485690.25	3740369.51	5.76494	(10121516)
485710.31	3740401.31	5.78063	(10121516)	485747.41	3740462.64	5.81311	(10121516)
485787.54	3740530.03	5.84743	(10121516)	485847.36	3740607.26	5.82370	(10121516)
485870.49	3740093.39	4.41833	(10121516)	486164.92			

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      3740527.57        4.56299  (10121516)
      486230.27   3740623.12        4.56703  (10121516)                486330.75
      3740777.24        4.56929  (10121516)
      486099.57   3740920.88        5.64555  (10121516)                486230.56
      3740573.44        4.47208  (10121516)
      486472.35   3741103.24        4.71111  (10121516)                486495.56
      3741156.19        4.72478  (10121516)
      486505.71   3741190.27        4.74745  (10121516)                486565.19
      3741320.10        4.75616  (10121516)
      486507.16   3741478.93        5.21383  (10121516)                486592.75
      3741437.59        4.83645  (10121516)
      486467.45   3741620.75        5.61935  (10121516)                486455.41
      3741644.54        5.71578  (10121516)
      486633.17   3741551.18        4.85268  (10121516)                486717.51
      3741579.21        4.59832  (10121516)
      486897.68   3741647.66        4.11466  (10121516)                486752.18
      3741648.28        4.56079  (10121516)
      487191.46   3741622.85        3.37994  (10121516)                487025.90
      3741639.92        3.76803  (10121516)
      487133.34   3741576.51        3.47612  (10121516)                488012.16
      3743217.05        2.11178  (10121516)
      487998.80   3743333.76        2.15983  (10122309)                488029.09
      3743389.44        2.17976  (10122309)
      488021.96   3743408.60        2.19146  (10122309)                483361.96
      3743140.42       10.40021  (10121516)
      483361.31   3743154.26       10.30373  (10121516)                483360.67
      3743170.68       10.13557  (10121516)
      483360.02   3743171.33       10.11694  (10121516)                483360.99
      3743184.20        9.99992  (10121516)
      483361.31   3743200.30        9.82286  (10121516)                483361.96
      3743217.36        9.74074  (10121516)
      483361.96   3743230.88        9.70846  (10121516)                483361.96
      3743247.94        9.54243  (10121516)
      483361.96   3743261.14        9.36226  (10121516)                483363.57
      3743276.91        9.28629  (10121516)
      483366.14   3743297.84        9.24800  (10121516)                483342.64
      3743400.52        8.22373  (10121516)
      482875.35   3743417.98        3.75845  (10121516)                482893.91
      3743449.04        3.78118  (10121516)
      482802.63   3743396.77        3.61877  (10121516)                482881.79
      3743436.54        3.75050  (10121516)
      482070.28   3742959.52        2.87970  (16010616)                482359.49
      3742961.75        3.09482  (16010616)
      488147.65   3744011.06        2.27827  (10122114)                488355.64
      3743593.90        2.14098  (10122309)
      487855.29   3743109.83        2.31670  (10121516)                487831.34
      3743023.47        2.36929  (10121516)
      485884.32   3741909.49       11.11684  (10121516)                485820.30
      3741815.92       11.29806  (10121516)
      485772.69   3741740.41       11.34245  (10121516)                485707.03
      3741661.61       11.55198  (10121516)
      485649.57   3741582.82       11.63430  (10121516)                485578.98
      3741477.76       11.65363  (10121516)
      485505.11   3741362.84       11.63504  (10121516)                485441.09
      3741261.06       11.61837  (10121516)
      485595.40   3741187.19        9.59003  (10121516)                486002.51
      3741875.02        9.53248  (10121516)
      485745.13   3741113.07        8.09071  (10121516)                485695.88
      3741010.14        7.98891  (10121516)
      485643.35   3740916.57        7.94987  (10121516)                485574.40
      3740788.52        7.88299  (10121516)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:37:47
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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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
485518.59	3740660.47	7.73661	(10121516)	485431.58	3740497.94	7.65330	(10121516)
485357.70	3740369.90	7.60310	(10121516)	485292.04	3740246.77	7.46986	(10121516)
485243.34	3740149.91	7.28380	(10121516)	484700.97	3740109.82	17.60729	(10121516)
484611.23	3740109.82	23.88059	(14111116)	484525.52	3740111.83	24.96072	(14111116)
484424.69	3740110.82	26.69704	(14111116)	484326.88	3740110.82	21.33847	(11010316)
484236.14	3740110.82	19.74640	(11010316)	484149.42	3740109.82	14.99076	(11010316)
484067.75	3740108.81	11.16901	(11010316)	483983.05	3740110.82	8.57545	(11010316)
484306.22	3740724.68	28.57289	(10121516)	484307.08	3740668.97	29.90475	(10121516)
484305.37	3740611.54	30.60680	(16010616)	484303.01	3740549.61	28.40193	(10121516)
484307.10	3740473.28	30.12415	(16010616)	484305.46	3740397.74	37.62355	(16010616)
484303.82	3740309.06	36.67603	(16010616)	484302.18	3740233.51	32.21393	(11010316)
484293.97	3742079.44	37.59882	(10122116)	484293.97	3742181.26	36.16848	(10121516)
484290.68	3742271.59	35.28662	(10121516)	484293.96	3742384.90	36.75919	(10121516)
484289.04	3742490.01	35.99078	(10121516)	484290.68	3742596.76	37.01861	(10121516)
484289.04	3742711.72	36.40063	(10121516)	484272.62	3742813.54	34.89736	(10121516)
484251.27	3742890.73	32.04281	(10121516)	483927.74	3743317.73	14.48023	(10121516)
485532.63	3743420.18	17.24354	(10121516)	485459.00	3743418.16	20.21310	(10121716)
485383.36	3743416.14	26.87548	(10121716)	485290.56	3743410.09	29.23367	(10121716)
485192.73	3743405.05	30.77124	(10121716)	485105.99	3743406.06	34.14432	(10121716)
485005.14	3743407.07	30.02446	(10121716)	484905.29	3743410.09	31.63579	(10121716)
486942.50	3743532.82	3.64709	(10121516)				

*** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
483662.28	3742990.90	3.82728	(10121516)	483660.92	3743037.77	3.76759	(10121516)
483632.71	3742966.78	3.73052	(10121516)	483627.25	3742954.49	3.74150	(10121516)
483594.94	3742937.66	3.63562	(10121516)	483590.39	3742925.37	3.63246	(10121516)
483326.92	3742783.86	2.86273	(10121516)	483322.83	3742801.60	2.82564	(10121516)
483251.38	3742776.57	2.70231	(10121516)	483477.54	3742955.40	2.97244	(10121516)
483360.24	3742974.39	2.55699	(10121516)	483306.13	3742974.79	2.42304	(10121516)
483361.93	3743014.11	2.50680	(10121516)	483093.56	3742973.36	1.94373	(10121516)
483361.29	3743031.51	2.48428	(10121516)	483359.96	3743046.35	2.47466	(10121516)
483359.27	3743062.67	2.45758	(10121516)	483358.76	3743077.79	2.43218	(10121516)
483358.58	3743093.09	2.40815	(10121516)	483358.58	3743108.21	2.38372	(10121516)
483359.10	3743122.81	2.36853	(10121516)	483219.94	3742777.51	2.64378	(10121516)
483188.19	3742774.03	2.58615	(10121516)	483154.49	3742774.03	2.49046	(10121516)
487352.85	3742161.74	0.98465	(14010316)	487594.10	3742883.93	0.91458	(14010316)
487740.59	3742878.41	0.87464	(14010316)	487781.26	3742945.81	0.85870	(14010316)
487900.95	3742678.93	0.84298	(14010316)	487832.01	3742515.86	0.86054	(14010316)
487713.48	3742284.61	0.88318	(14010316)	487751.05	3742334.19	0.87572	(14010316)
487773.13	3742367.11	0.87141	(14010316)	487208.30	3741773.97	1.00756	(14010816)
487676.34	3741966.97	0.86906	(14010316)	487659.19	3741865.11	0.86421	(14010316)
487452.24	3741714.99	0.91816	(14010816)	487492.98	3741728.39	0.90616	(14010816)
487419.53	3741699.98	0.92766	(14010816)	486863.50			

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       3741608.53        1.14351  (14010816)
       483305.42   3742774.69        2.82339  (10121516)                483252.39
       3742826.78        2.51826  (10121516)
       483248.01   3742883.93        2.41463  (10121516)                483271.02
       3742977.45        2.32706  (10121516)
       483236.43   3742974.42        2.23842  (10121516)                483204.18
       3742969.89        2.15999  (10121516)
       483020.32   3742969.89        1.84091  (10121516)                482990.46
       3742969.37        1.79257  (10121516)
       482948.55   3742964.65        1.74281  (10121516)                482511.10
       3742964.13        1.28651  (10121516)
       482169.09   3742721.99        1.18417  (10121516)                482205.43
       3742635.31        1.22048  (10121516)
       482226.62   3742575.13        1.22479  (10121516)                482236.84
       3742526.68        1.22372  (10121516)
       482300.06   3742439.24        1.25301  (10121516)                482300.06
       3742368.08        1.23119  (10121516)
       482300.06   3742329.47        1.22425  (10121516)                482300.06
       3742219.70        1.21018  (10121516)
       482300.81   3742167.09        1.20265  (10121516)                482291.73
       3742092.52        1.18756  (10121516)
       482290.21   3741997.89        1.16421  (10121516)                482287.94
       3741884.71        1.13094  (10121516)
       482290.97   3741799.17        1.10311  (10121516)                482896.84
       3741725.43        1.92888c (10122116)
       482014.24   3741605.12        0.94597  (14120316)                481759.68
       3741616.21        0.88579  (14120316)
       481782.49   3741558.89        0.88514  (14120316)                481738.72
       3741497.25        0.86659  (14120316)
       482899.19   3741347.84        1.89407c (10122116)                482905.50
       3741318.60        1.91886c (10122116)
       483094.76   3741256.97        2.37897c (10122116)                483086.06
       3741104.69        2.20054c (10122116)
       483094.04   3740957.48        2.05850c (10122116)                483086.06
       3740568.07        1.47192c (10122116)
       483009.20   3740676.84        1.55607c (10122116)                482810.58
       3740169.82        1.00664  (14112616)
       482698.82   3740092.19        0.94756  (14112616)                482380.08
       3739846.62        0.81714  (14010116)
       482715.43   3739916.28        0.92679  (14112616)                482244.68
       3739706.94        0.76964  (14010116)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       17:37:47

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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        , VOL10       , VOL11       ,
                VOL12       , VOL13       , VOL14       ,
                VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                VOL20       , VOL21       , VOL22       ,
                VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                VOL28       , VOL29       ,  . . .      ,

                                        *** 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)	
482220.64	3739522.63	0.75035	(16011516)	480667.03
3738428.48		0.49156	(16011516)	
484755.27	3740097.17	6.65071	(14120116)	485120.82
3740097.17		2.23213	(14120116)	
485335.35	3739977.14	1.78528	(14120116)	485534.79
3740109.14		1.71335	(14120116)	
485966.31	3739987.30	1.46753	(14120116)	485941.65
3739925.65		1.45224	(14120116)	
485621.34	3740251.52	1.75442	(14120116)	485943.59
3739842.81		1.42033	(14120116)	
485942.02	3739796.70	1.40357	(14120116)	485915.82
3740153.53		1.55758	(14120116)	
485964.55	3740221.65	1.56523	(14120116)	485690.25
3740369.51		1.78895	(14120116)	
485710.31	3740401.31	1.79641	(14120116)	485747.41
3740462.64		1.81093	(14120116)	
485787.54	3740530.03	1.82522	(14120116)	485847.36
3740607.26		1.82877	(14120116)	
485870.49	3740093.39	1.54959	(14120116)	486164.92
3740527.57		1.54457	(14120116)	
486230.27	3740623.12	1.50395	(14120116)	486330.75
3740777.24		1.42068	(15120916)	
486099.57	3740920.88	1.73376	(14120116)	486230.56
3740573.44		1.49403	(14120116)	
486472.35	3741103.24	1.35467	(15120916)	486495.56
3741156.19		1.33512	(15120916)	
486505.71	3741190.27	1.32648	(15120916)	486565.19
3741320.10		1.28807	(14010816)	
486507.16	3741478.93	1.35198	(14010816)	486592.75
3741437.59		1.28407	(14010816)	
486467.45	3741620.75	1.40284	(14010816)	486455.41
3741644.54		1.41615	(14010816)	
486633.17	3741551.18	1.27078	(14010816)	486717.51
3741579.21		1.22089	(14010816)	
486897.68	3741647.66	1.13068	(14010816)	486752.18
3741648.28		1.20857	(14010816)	
487191.46	3741622.85	1.00129	(14010816)	487025.90
3741639.92		1.07004	(14010816)	
487133.34	3741576.51	1.01932	(14010816)	488012.16
3743217.05		0.77649	(14010316)	
487998.80	3743333.76	0.77597	(10121516)	488029.09
3743389.44		0.77362	(10121516)	
488021.96	3743408.60	0.77833	(10121516)	483361.96
3743140.42		2.36648	(10121516)	
483361.31	3743154.26	2.34718	(10121516)	483360.67
3743170.68		2.31801	(10121516)	
483360.02	3743171.33	2.31495	(10121516)	483360.99
3743184.20		2.29501	(10121516)	
483361.31	3743200.30	2.26579	(10121516)	483361.96
3743217.36		2.24791	(10121516)	
483361.96	3743230.88	2.23746	(10121516)	483361.96
3743247.94		2.20928	(10121516)	
483361.96	3743261.14	2.18135	(10121516)	483363.57
3743276.91		2.16620	(10121516)	
483366.14	3743297.84	2.15423	(10121516)	483342.64
3743400.52		1.97419	(10121516)	
482875.35	3743417.98	1.21474	(10121516)	482893.91
3743449.04		1.21474	(10121516)	
482802.63	3743396.77	1.18292	(10121516)	482881.79
3743436.54		1.21057	(10121516)	
482070.28	3742959.52	1.05064	(10121516)	482359.49
3742961.75		1.16021	(10121516)	
488147.65	3744011.06	0.79514	(10121516)	488355.64

*** THE 1ST HIGHEST 8-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , . . . ,

*** 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)
485518.59	3740660.47	2.14704	(14120116)	485431.58	3740497.94	2.08814	(14120116)
485357.70	3740369.90	2.04820	(14120116)	485292.04	3740246.77	2.02007	(14120116)
485243.34	3740149.91	2.01455	(14120116)	484700.97	3740109.82	8.63506	(14120116)
484611.23	3740109.82	9.35115	(10123016)	484525.52	3740111.83	8.42497	(10120616)
484424.69	3740110.82	8.39960	(11010316)	484326.88	3740110.82	6.22241	(11010316)
484236.14	3740110.82	4.54219	(11010316)	484149.42	3740109.82	3.43135	(11010316)
484067.75	3740108.81	2.70811	(11010316)	483983.05	3740110.82	2.23226	(11010316)
484306.22	3740724.68	8.90601	(10121516)	484307.08	3740668.97	9.87616	(10121516)
484305.37	3740611.54	9.38391	(10121516)	484303.01	3740549.61	8.75685	(10121516)
484307.10	3740473.28	10.11094	(10121516)	484305.46	3740397.74	10.31901	(10121516)
484303.82	3740309.06	9.59655	(10121516)	484302.18			

3740233.51 8.95603 (11010316)
484293.97 3742079.44 10.13636 (10121516) 484293.97
3742181.26 10.87413 (10121516)
484290.68 3742271.59 10.33130 (10121516) 484293.96
3742384.90 11.03247 (10121516)
484289.04 3742490.01 10.57329 (10121516) 484290.68
3742596.76 11.00774 (10121516)
484289.04 3742711.72 10.69587 (10121516) 484272.62
3742813.54 10.09862 (10121516)
484251.27 3742890.73 8.94534 (10121516) 483927.74
3743317.73 3.34683 (10121516)
485532.63 3743420.18 5.53428 (11112416) 485459.00
3743418.16 6.27549 (11112416)
485383.36 3743416.14 7.19254 (11112416) 485290.56
3743410.09 9.15195 (11112416)
485192.73 3743405.05 11.28154 (11100516) 485105.99
3743406.06 12.12340 (16010516)
485005.14 3743407.07 11.84345 (16010516) 484905.29
3743410.09 8.59129 (10121716)
486942.50 3743532.82 1.31795c
(10122116)

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE GRID-ID
ALL	1ST HIGH VALUE IS	37.62355	ON 16010616: AT (484305.46, 3740397.74, 437.21, 765.00, 2.00)	DC

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

*** THE SUMMARY OF HIGHEST 8-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      12.12340  ON 16010516: AT (  485105.99,  3743406.06,
450.76,   817.00,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***       17:37:47

                      PAGE  74
 *** 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            4 Warning Message(s)
 A Total of         2028 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of          978 Calm Hours Identified

 A Total of         1050 Missing Hours Identified (  2.40 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186    1001       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187    1001       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:      14010101
 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:    2 year gap

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

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/2/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Cons\13265 Cons NOX\13265
Cons NOX.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 1
   URBANOPT 2189641 Riverside_County
   POLLUTID NOX
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Cons NOX.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484610.109  3740632.130      433.870
   LOCATION VOL4         VOLUME     484608.032  3740854.507      438.630
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484429.548  3741072.747      477.830
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
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   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485299.542  3742597.842      431.000
   LOCATION VOL49        VOLUME     485422.827  3742741.720      431.000
   LOCATION VOL50        VOLUME     485422.827  3742529.910      431.000
   LOCATION VOL51        VOLUME     485303.015  3742382.284      431.000
   LOCATION VOL52        VOLUME     485403.571  3742354.470      431.000
   LOCATION VOL53        VOLUME     485161.807  3742202.566      431.000
   LOCATION VOL54        VOLUME     484432.237  3740852.539      472.110
   LOCATION VOL55        VOLUME     484607.676  3740418.220      431.050
   LOCATION VOL56        VOLUME     484611.955  3740259.896      430.000
   LOCATION VOL57        VOLUME     484430.097  3740264.175      431.980
** Source Parameters **
   SRCPARAM VOL1         0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL2         0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL3         0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL4         0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL5         0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL6         0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL7         0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL8         0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL10        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL11        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL12        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL13        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL14        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL15        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL16        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL17        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL18        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL19        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL20        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL21        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL22        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL23        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL24        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL25        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL26        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL27        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL28        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL29        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL30        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL31        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL33        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL34        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL35        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL36        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL37        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL38        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL39        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL40        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL41        0.0193349474     5.000    50.305     1.400
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   SRCPARAM VOL42        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL43        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL44        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL45        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL46        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL47        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL48        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL49        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL50        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL51        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL52        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL53        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL54        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL55        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL56        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL57        0.0193349474     5.000    50.305     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:
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   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   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
** 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 VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Cons NOX.rou"
RE FINISHED
**
**************************************
```

```
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "13265 CONS NOX.AD\01H1GALL.PLT" 31
   SUMMFILE "13265 Cons NOX.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/2/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Cons\13265 Cons NOX\13265
Cons NOX.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 1
   URBANOPT 2189641 Riverside_County
   POLLUTID NOX
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Cons NOX.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484610.109  3740632.130      433.870
   LOCATION VOL4         VOLUME     484608.032  3740854.507      438.630
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484429.548  3741072.747      477.830
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
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   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485299.542  3742597.842      431.000
   LOCATION VOL49        VOLUME     485422.827  3742741.720      431.000
   LOCATION VOL50        VOLUME     485422.827  3742529.910      431.000
   LOCATION VOL51        VOLUME     485303.015  3742382.284      431.000
   LOCATION VOL52        VOLUME     485403.571  3742354.470      431.000
   LOCATION VOL53        VOLUME     485161.807  3742202.566      431.000
   LOCATION VOL54        VOLUME     484432.237  3740852.539      472.110
   LOCATION VOL55        VOLUME     484607.676  3740418.220      431.050
   LOCATION VOL56        VOLUME     484611.955  3740259.896      430.000
   LOCATION VOL57        VOLUME     484430.097  3740264.175      431.980
** Source Parameters **
   SRCPARAM VOL1         0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL2         0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL3         0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL4         0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL5         0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL6         0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL7         0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL8         0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL10        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL11        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL12        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL13        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL14        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL15        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL16        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL17        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL18        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL19        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL20        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL21        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL22        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL23        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL24        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL25        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL26        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL27        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL28        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL29        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL30        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL31        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL33        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL34        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL35        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL36        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL37        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL38        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL39        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL40        0.0193349474     5.000    50.305     1.400
```

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   SRCPARAM VOL41        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL42        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL43        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL44        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL45        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL46        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL47        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL48        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL49        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL50        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL51        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL52        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL53        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL54        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL55        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL56        0.0193349474     5.000    50.305     1.400
   SRCPARAM VOL57        0.0193349474     5.000    50.305     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
```

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** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   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
** 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 VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Cons NOX.rou"
RE FINISHED
**
```

```
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "13265 CONS NOX.AD\01H1GALL.PLT" 31
   SUMMFILE "13265 Cons NOX.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    1001       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187    1001       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:41:44

                     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    55 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:     55 Source(s);       1 Source Group(s); and     201 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     55 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) =   442.00 ;  Decay Coef. =
 0.000     ;  Rot. Angle =     0.0
                Emission Units = GRAMS/SEC                                ;  Emission Rate
                Unit Factor =   0.10000E+07
                Output Units   = MICROGRAMS/M**3

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

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

 **Detailed Error/Message File:   13265 Cons
 NOX.err
 **File for Summary of Results:   13265 Cons
 NOX.sum
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
```

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
VOL1	0	0.19335E-01	484430.8	3740413.0	434.6	5.00	50.30	1.40	YES HRDOW
VOL2	0	0.19335E-01	484431.8	3740634.3	442.9	5.00	50.30	1.40	YES HRDOW
VOL3	0	0.19335E-01	484610.1	3740632.1	433.9	5.00	50.30	1.40	YES HRDOW
VOL4	0	0.19335E-01	484608.0	3740854.5	438.6	5.00	50.30	1.40	YES HRDOW
VOL5	0	0.19335E-01	484604.9	3741070.8	448.3	5.00	50.30	1.40	YES HRDOW
VOL6	0	0.19335E-01	484429.5	3741072.7	477.8	5.00	50.30	1.40	YES HRDOW
VOL7	0	0.19335E-01	484433.8	3741291.0	468.5	5.00	50.30	1.40	YES HRDOW
VOL8	0	0.19335E-01	484618.6	3741291.0	453.1	5.00	50.30	1.40	YES HRDOW
VOL10	0	0.19335E-01	484435.7	3741505.4	465.8	5.00	50.30	1.40	YES HRDOW
VOL11	0	0.19335E-01	484626.5	3741507.4	449.9	5.00	50.30	1.40	YES HRDOW
VOL12	0	0.19335E-01	484733.4	3741510.5	442.6	5.00	50.30	1.40	YES HRDOW
VOL13	0	0.19335E-01	484433.8	3741727.6	465.1	5.00	50.30	1.40	YES HRDOW
VOL14	0	0.19335E-01	484652.0	3741727.6	445.5	5.00	50.30	1.40	YES HRDOW
VOL15	0	0.19335E-01	484870.3	3741729.6	436.0	5.00	50.30	1.40	YES HRDOW
VOL16	0	0.19335E-01	484435.7	3741947.8	459.9	5.00	50.30	1.40	YES HRDOW
VOL17	0	0.19335E-01	484607.2	3741945.9	448.5	5.00	50.30	1.40	YES HRDOW
VOL18	0	0.19335E-01	484772.0	3741947.8	440.5	5.00	50.30	1.40	YES HRDOW
VOL19	0	0.19335E-01	484970.2	3741949.8	431.7	5.00	50.30	1.40	YES HRDOW
VOL20	0	0.19335E-01	484435.7	3742166.1	456.5	5.00	50.30	1.40	YES HRDOW
VOL21	0	0.19335E-01	484641.8	3742166.1	447.2	5.00	50.30	1.40	YES HRDOW
VOL22	0	0.19335E-01	484841.6	3742164.5	439.2	5.00	50.30	1.40	YES HRDOW
VOL23	0	0.19335E-01	485044.6	3742165.3	431.2	5.00	50.30	1.40	YES HRDOW
VOL24	0	0.19335E-01	484436.5	3742387.3	456.4	5.00	50.30	1.40	YES HRDOW
VOL25	0	0.19335E-01	484650.5	3742382.3	447.5	5.00	50.30	1.40	YES HRDOW
VOL26	0	0.19335E-01	484867.8	3742382.3	439.7	5.00	50.30	1.40	

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 YES   HRDOW
 VOL27           0   0.19335E-01  485083.4 3742384.0   431.9     5.00    50.30     1.40
 YES   HRDOW
 VOL28           0   0.19335E-01  484436.5 3742601.3   456.4     5.00    50.30     1.40
 YES   HRDOW
 VOL29           0   0.19335E-01  484653.8 3742597.9   449.2     5.00    50.30     1.40
 YES   HRDOW
 VOL30           0   0.19335E-01  484869.4 3742597.9   442.0     5.00    50.30     1.40
 YES   HRDOW
 VOL31           0   0.19335E-01  485086.7 3742599.6   434.8     5.00    50.30     1.40
 YES   HRDOW
 VOL33           0   0.19335E-01  484438.2 3742815.2   461.4     5.00    50.30     1.40
 YES   HRDOW
 VOL34           0   0.19335E-01  484653.8 3742813.5   453.1     5.00    50.30     1.40
 YES   HRDOW
 VOL35           0   0.19335E-01  484871.1 3742813.5   444.9     5.00    50.30     1.40
 YES   HRDOW
 VOL36           0   0.19335E-01  485086.7 3742815.2   439.0     5.00    50.30     1.40
 YES   HRDOW
 VOL37           0   0.19335E-01  485297.3 3742815.2   433.7     5.00    50.30     1.40
 YES   HRDOW
 VOL38           0   0.19335E-01  484520.1 3742913.8   459.9     5.00    50.30     1.40
 YES   HRDOW
 VOL39           0   0.19335E-01  484657.2 3743029.2   456.3     5.00    50.30     1.40
 YES   HRDOW
 VOL40           0   0.19335E-01  484869.4 3743029.2   448.1     5.00    50.30     1.40
 YES   HRDOW
 VOL41           0   0.19335E-01  485081.7 3743032.5   443.0     5.00    50.30     1.40
 YES   HRDOW
 VOL42           0   0.19335E-01  485299.0 3743034.2   438.7     5.00    50.30     1.40
 YES   HRDOW
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:41:44

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


                                                *** VOLUME SOURCE DATA ***

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

 VOL43           0   0.19335E-01  485424.4 3742957.3   433.2     5.00    50.30     1.40
 YES   HRDOW
 VOL44           0   0.19335E-01  485422.7 3743172.9   437.1     5.00    50.30     1.40
 YES   HRDOW
 VOL45           0   0.19335E-01  484844.4 3743194.6   451.9     5.00    50.30     1.40
 YES   HRDOW
 VOL46           0   0.19335E-01  485065.0 3743244.8   447.2     5.00    50.30     1.40
 YES   HRDOW
 VOL47           0   0.19335E-01  485208.7 3743248.1   443.7     5.00    50.30     1.40
 YES   HRDOW
 VOL48           0   0.19335E-01  485299.5 3742597.8   431.0     5.00    50.30     1.40
 YES   HRDOW
 VOL49           0   0.19335E-01  485422.8 3742741.7   431.0     5.00    50.30     1.40
 YES   HRDOW
 VOL50           0   0.19335E-01  485422.8 3742529.9   431.0     5.00    50.30     1.40
```

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 YES   HRDOW
 VOL51           0   0.19335E-01  485303.0 3742382.3   431.0     5.00    50.30     1.40
 YES   HRDOW
 VOL52           0   0.19335E-01  485403.6 3742354.5   431.0     5.00    50.30     1.40
 YES   HRDOW
 VOL53           0   0.19335E-01  485161.8 3742202.6   431.0     5.00    50.30     1.40
 YES   HRDOW
 VOL54           0   0.19335E-01  484432.2 3740852.5   472.1     5.00    50.30     1.40
 YES   HRDOW
 VOL55           0   0.19335E-01  484607.7 3740418.2   431.1     5.00    50.30     1.40
 YES   HRDOW
 VOL56           0   0.19335E-01  484612.0 3740259.9   430.0     5.00    50.30     1.40
 YES   HRDOW
 VOL57           0   0.19335E-01  484430.1 3740264.2   432.0     5.00    50.30     1.40
 YES   HRDOW
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       17:41:44

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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        ,

             VOL10       , VOL11       , VOL12       , VOL13       , VOL14       , VOL15       ,
             VOL16       , VOL17       ,

             VOL18       , VOL19       , VOL20       , VOL21       , VOL22       , VOL23       ,
             VOL24       , VOL25       ,

             VOL26       , VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
             VOL33       , VOL34       ,

             VOL35       , VOL36       , VOL37       , VOL38       , VOL39       , VOL40       ,
             VOL41       , VOL42       ,

             VOL43       , VOL44       , VOL45       , VOL46       , VOL47       , VOL48       ,
             VOL49       , VOL50       ,

             VOL51       , VOL52       , VOL53       , VOL54       , VOL55       , VOL56       ,
             VOL57       ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       17:41:44

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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        ,

             VOL10       , VOL11       , VOL12       , VOL13       , VOL14       , VOL15       ,
             VOL16       , VOL17       ,

             VOL18       , VOL19       , VOL20       , VOL21       , VOL22       , VOL23       ,
             VOL24       , VOL25       ,

             VOL26       , VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
             VOL33       , VOL34       ,

             VOL35       , VOL36       , VOL37       , VOL38       , VOL39       , VOL40       ,
             VOL41       , VOL42       ,

             VOL43       , VOL44       , VOL45       , VOL46       , VOL47       , VOL48       ,
             VOL49       , VOL50       ,

             VOL51       , VOL52       , VOL53       , VOL54       , VOL55       , VOL56       ,
             VOL57       ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:41:44

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:41:44

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:41:44

                     PAGE   8
 *** 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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
```

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

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :

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

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

```
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        17:41:44

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        17:41:44

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:41:44

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:41:44

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***       05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:41:44

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***       05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:41:44

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* 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = 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

* 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

* 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

* 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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:41:44

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:41:44

                     PAGE  23
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *
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 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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:41:44

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
```

* 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

* 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					

* 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

```
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        17:41:44

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        17:41:44

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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

* 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

* 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								

*** 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								

* 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

* 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					

DAY OF WEEK = SUNDAY

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

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

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

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

SOURCE ID = VOL33 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = 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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        17:41:44

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        17:41:44
```

*** 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
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	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 = VOL39 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = 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								

* 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												

DAY OF WEEK = SUNDAY

* 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

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

* 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

```
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       17:41:44

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       17:41:44

                     PAGE  48
 *** 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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        17:41:44

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
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 *** AERMET - VERSION  16216 ***
 ***                                                                           ***        17:41:44

                      PAGE  50
 *** 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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***       05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                           ***        17:41:44

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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
␌ *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        17:41:44

                        PAGE  52
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL49        ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
␌ *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        17:41:44

                        PAGE  53
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL50        ; SOURCE TYPE = VOLUME    :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
```

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL52 ; SOURCE TYPE = VOLUME :

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

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 - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
␌ *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***       05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        17:41:44

                        PAGE  56
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL53        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
␌ *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***       05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        17:41:44

                        PAGE  57
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
```

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

SOURCE ID = VOL54 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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

SOURCE ID = VOL55 ; 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

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

SOURCE ID = VOL56 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = VOL57 ; SOURCE TYPE = VOLUME :

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

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

(483662.3, 3742990.9, 490.5, 817.0, 2.0); (483660.9, 3743037.8, 489.1, 817.0, 2.0);
(483632.7, 3742966.8, 490.2, 817.0, 2.0); (483627.2, 3742954.5, 491.7, 817.0, 2.0);
(483594.9, 3742937.7, 491.3, 817.0, 2.0); (483590.4, 3742925.4, 492.1, 817.0, 2.0);
(483326.9, 3742783.9, 488.8, 765.0, 2.0); (483322.8, 3742801.6, 486.9, 765.0, 2.0);
(483251.4, 3742776.6, 488.3, 765.0, 2.0); (483477.5, 3742955.4, 479.9, 817.0, 2.0);
(483360.2, 3742974.4, 474.4, 817.0, 2.0); (483306.1, 3742974.8, 473.3, 817.0, 2.0);
(483361.9, 3743014.1, 473.1, 817.0, 2.0); (483093.6, 3742973.4, 467.5, 765.0, 2.0);
(483361.3, 3743031.5, 472.7, 817.0, 2.0); (483360.0, 3743046.3, 472.7, 817.0, 2.0);
(483359.3, 3743062.7, 472.4, 817.0, 2.0); (483358.8, 3743077.8, 471.9, 817.0, 2.0);
(483358.6, 3743093.1, 471.4, 817.0, 2.0); (483358.6, 3743108.2, 470.9, 817.0, 2.0);
(483359.1, 3743122.8, 470.6, 817.0, 2.0); (483219.9, 3742777.5, 488.1, 765.0, 2.0);
(483188.2, 3742774.0, 488.1, 765.0, 2.0); (483154.5, 3742774.0, 486.2, 765.0, 2.0);
(487352.8, 3742161.7, 438.6, 817.0, 2.0); (487594.1, 3742883.9, 438.0, 817.0, 2.0);
(487740.6, 3742878.4, 440.0, 817.0, 2.0); (487781.3, 3742945.8, 440.0, 817.0, 2.0);
(487901.0, 3742678.9, 444.0, 817.0, 2.0); (487832.0, 3742515.9, 444.0, 817.0, 2.0);
(487713.5, 3742284.6, 443.8, 817.0, 2.0); (487751.0, 3742334.2, 444.0, 817.0, 2.0);
(487773.1, 3742367.1, 444.0, 817.0, 2.0); (487208.3, 3741774.0, 442.7, 442.7, 2.0);
(487676.3, 3741967.0, 444.0, 444.0, 2.0); (487659.2, 3741865.1, 444.0, 444.0, 2.0);
(487452.2, 3741715.0, 444.0, 444.0, 2.0); (487493.0, 3741728.4, 444.1, 444.1, 2.0);
(487419.5, 3741700.0, 444.2, 444.2, 2.0); (486863.5, 3741608.5, 442.1, 442.1, 2.0);
(483305.4, 3742774.7, 489.4, 765.0, 2.0); (483252.4, 3742826.8, 480.7, 765.0, 2.0);
(483248.0, 3742883.9, 476.5, 765.0, 2.0); (483271.0, 3742977.4, 472.3, 817.0, 2.0);
(483236.4, 3742974.4, 471.3, 817.0, 2.0); (483204.2, 3742969.9,

470.4, 816.0, 2.0);
(483020.3, 3742969.9, 466.9, 765.0, 2.0); (482990.5, 3742969.4, 466.2, 765.0, 2.0);
(482948.5, 3742964.6, 466.0, 765.0, 2.0); (482511.1, 3742964.1, 459.5, 765.0, 2.0);
(482169.1, 3742722.0, 464.6, 765.0, 2.0); (482205.4, 3742635.3, 467.8, 765.0, 2.0);
(482226.6, 3742575.1, 467.5, 765.0, 2.0); (482236.8, 3742526.7, 467.2, 765.0, 2.0);
(482300.1, 3742439.2, 469.5, 765.0, 2.0); (482300.1, 3742368.1, 466.4, 765.0, 2.0);
(482300.1, 3742329.5, 463.9, 765.0, 2.0); (482300.1, 3742219.7, 461.8, 765.0, 2.0);
(482300.8, 3742167.1, 460.9, 765.0, 2.0); (482291.7, 3742092.5, 458.3, 765.0, 2.0);
(482290.2, 3741997.9, 458.0, 765.0, 2.0); (482287.9, 3741884.7, 454.9, 765.0, 2.0);
(482291.0, 3741799.2, 451.2, 765.0, 2.0); (482896.8, 3741725.4, 464.6, 765.0, 2.0);
(482014.2, 3741605.1, 443.9, 765.0, 2.0); (481759.7, 3741616.2, 440.3, 765.0, 2.0);
(481782.5, 3741558.9, 441.0, 765.0, 2.0); (481738.7, 3741497.2, 440.0, 765.0, 2.0);
(482899.2, 3741347.8, 456.0, 765.0, 2.0); (482905.5, 3741318.6, 456.0, 765.0, 2.0);
(483094.8, 3741257.0, 460.7, 765.0, 2.0); (483086.1, 3741104.7, 456.5, 765.0, 2.0);
(483094.0, 3740957.5, 454.9, 765.0, 2.0); (483086.1, 3740568.1, 451.5, 585.0, 2.0);
(483009.2, 3740676.8, 450.0, 585.0, 2.0); (482810.6, 3740169.8, 439.9, 439.9, 2.0);
(482698.8, 3740092.2, 437.7, 437.7, 2.0); (482380.1, 3739846.6, 434.0, 434.0, 2.0);
(482715.4, 3739916.3, 435.3, 435.3, 2.0); (482244.7, 3739706.9, 432.7, 432.7, 2.0);
(482220.6, 3739522.6, 432.0, 432.0, 2.0); (480667.0, 3738428.5, 432.0, 432.0, 2.0);
(484755.3, 3740097.2, 430.0, 533.0, 2.0); (485120.8, 3740097.2, 432.0, 432.0, 2.0);
(485335.3, 3739977.1, 433.0, 433.0, 2.0); (485534.8, 3740109.1, 434.0, 434.0, 2.0);
(485966.3, 3739987.3, 443.8, 800.0, 2.0); (485941.6, 3739925.6, 443.7, 800.0, 2.0);
(485621.3, 3740251.5, 434.5, 434.5, 2.0); (485943.6, 3739842.8, 444.1, 800.0, 2.0);

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

(485942.0, 3739796.7, 444.7, 811.0, 2.0); (485915.8, 3740153.5, 439.8, 800.0, 2.0);
(485964.5, 3740221.6, 438.5, 800.0, 2.0); (485690.2, 3740369.5, 434.3, 434.3, 2.0);
(485710.3, 3740401.3, 434.5, 434.5, 2.0); (485747.4, 3740462.6, 434.1, 434.1, 2.0);
(485787.5, 3740530.0, 434.0, 434.0, 2.0); (485847.4, 3740607.3, 434.0, 434.0, 2.0);
(485870.5, 3740093.4, 439.8, 800.0, 2.0); (486164.9, 3740527.6,

438.0,	800.0,	2.0);
(486230.3, 3740623.1,	438.0,	800.0,	2.0);	(486330.8, 3740777.2,
439.7,	800.0,	2.0);
(486099.6, 3740920.9,	436.0,	436.0,	2.0);	(486230.6, 3740573.4,
438.4,	800.0,	2.0);
(486472.3, 3741103.2,	440.0,	440.0,	2.0);	(486495.6, 3741156.2,
440.1,	440.1,	2.0);
(486505.7, 3741190.3,	440.0,	440.0,	2.0);	(486565.2, 3741320.1,
439.0,	439.0,	2.0);
(486507.2, 3741478.9,	437.6,	765.0,	2.0);	(486592.8, 3741437.6,
438.4,	438.4,	2.0);
(486467.5, 3741620.8,	436.2,	817.0,	2.0);	(486455.4, 3741644.5,
436.0,	817.0,	2.0);
(486633.2, 3741551.2,	439.0,	765.0,	2.0);	(486717.5, 3741579.2,
440.6,	440.6,	2.0);
(486897.7, 3741647.7,	442.0,	442.0,	2.0);	(486752.2, 3741648.3,
440.7,	440.7,	2.0);
(487191.5, 3741622.8,	444.8,	444.8,	2.0);	(487025.9, 3741639.9,
444.0,	444.0,	2.0);
(487133.3, 3741576.5,	445.3,	445.3,	2.0);	(488012.2, 3743217.0,
442.0,	817.0,	2.0);
(487998.8, 3743333.8,	441.3,	817.0,	2.0);	(488029.1, 3743389.4,
441.3,	817.0,	2.0);
(488022.0, 3743408.6,	441.0,	817.0,	2.0);	(483362.0, 3743140.4,
470.7,	817.0,	2.0);
(483361.3, 3743154.3,	470.4,	817.0,	2.0);	(483360.7, 3743170.7,
469.9,	817.0,	2.0);
(483360.0, 3743171.3,	469.8,	817.0,	2.0);	(483361.0, 3743184.2,
469.4,	817.0,	2.0);
(483361.3, 3743200.3,	468.9,	817.0,	2.0);	(483362.0, 3743217.4,
468.7,	817.0,	2.0);
(483362.0, 3743230.9,	468.7,	817.0,	2.0);	(483362.0, 3743247.9,
468.3,	817.0,	2.0);
(483362.0, 3743261.1,	467.9,	817.0,	2.0);	(483363.6, 3743276.9,
467.8,	817.0,	2.0);
(483366.1, 3743297.8,	467.9,	817.0,	2.0);	(483342.6, 3743400.5,
466.2,	817.0,	2.0);
(482875.3, 3743418.0,	454.0,	817.0,	2.0);	(482893.9, 3743449.0,
454.1,	817.0,	2.0);
(482802.6, 3743396.8,	453.1,	817.0,	2.0);	(482881.8, 3743436.5,
454.0,	817.0,	2.0);
(482070.3, 3742959.5,	446.7,	765.0,	2.0);	(482359.5, 3742961.8,
454.5,	765.0,	2.0);
(488147.6, 3744011.1,	437.0,	817.0,	2.0);	(488355.6, 3743593.9,
444.0,	817.0,	2.0);
(487855.3, 3743109.8,	441.0,	817.0,	2.0);	(487831.3, 3743023.5,
440.7,	817.0,	2.0);
(485884.3, 3741909.5,	431.0,	817.0,	2.0);	(485820.3, 3741815.9,
431.0,	817.0,	2.0);
(485772.7, 3741740.4,	431.0,	817.0,	2.0);	(485707.0, 3741661.6,
431.0,	817.0,	2.0);
(485649.6, 3741582.8,	431.0,	817.0,	2.0);	(485579.0, 3741477.8,
431.0,	817.0,	2.0);
(485505.1, 3741362.8,	431.0,	765.0,	2.0);	(485441.1, 3741261.1,
431.0,	765.0,	2.0);
(485595.4, 3741187.2,	431.1,	765.0,	2.0);	(486002.5, 3741875.0,
432.0,	817.0,	2.0);
(485745.1, 3741113.1,	432.0,	765.0,	2.0);	(485695.9, 3741010.1,
432.0,	765.0,	2.0);
(485643.3, 3740916.6,	432.0,	765.0,	2.0);	(485574.4, 3740788.5,
432.0,	765.0,	2.0);
(485518.6, 3740660.5,	433.0,	765.0,	2.0);	(485431.6, 3740497.9,
433.0,	433.0,	2.0);
(485357.7, 3740369.9,	432.0,	432.0,	2.0);	(485292.0, 3740246.8,
432.0,	432.0,	2.0);
(485243.3, 3740149.9,	432.0,	432.0,	2.0);	(484701.0, 3740109.8,

```
     430.0,     533.0,       2.0);
     ( 484611.2, 3740109.8,     430.0,     533.0,       2.0);         ( 484525.5, 3740111.8,
     430.0,     533.0,       2.0);
     ( 484424.7, 3740110.8,     430.0,     585.0,       2.0);         ( 484326.9, 3740110.8,
     431.1,     585.0,       2.0);
     ( 484236.1, 3740110.8,     432.0,     585.0,       2.0);         ( 484149.4, 3740109.8,
     432.8,     585.0,       2.0);
     ( 484067.8, 3740108.8,     432.9,     585.0,       2.0);         ( 483983.0, 3740110.8,
     433.9,     585.0,       2.0);
     ( 484306.2, 3740724.7,     457.8,     765.0,       2.0);         ( 484307.1, 3740669.0,
     451.3,     765.0,       2.0);
     ( 484305.4, 3740611.5,     447.8,     765.0,       2.0);         ( 484303.0, 3740549.6,
     444.8,     765.0,       2.0);
     ( 484307.1, 3740473.3,     439.6,     765.0,       2.0);         ( 484305.5, 3740397.7,
     437.2,     765.0,       2.0);
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        17:41:44

                      PAGE  63
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

     ( 484303.8, 3740309.1,     434.4,     585.0,       2.0);         ( 484302.2, 3740233.5,
     432.9,     585.0,       2.0);
     ( 484294.0, 3742079.4,     469.2,     765.0,       2.0);         ( 484294.0, 3742181.3,
     466.6,     817.0,       2.0);
     ( 484290.7, 3742271.6,     465.6,     817.0,       2.0);         ( 484294.0, 3742384.9,
     463.4,     817.0,       2.0);
     ( 484289.0, 3742490.0,     463.7,     817.0,       2.0);         ( 484290.7, 3742596.8,
     463.5,     817.0,       2.0);
     ( 484289.0, 3742711.7,     465.3,     817.0,       2.0);         ( 484272.6, 3742813.5,
     468.8,     817.0,       2.0);
     ( 484251.3, 3742890.7,     474.4,     817.0,       2.0);         ( 483927.7, 3743317.7,
     622.8,     765.0,       2.0);
     ( 485532.6, 3743420.2,     437.9,     817.0,       2.0);         ( 485459.0, 3743418.2,
     440.4,     817.0,       2.0);
     ( 485383.4, 3743416.1,     442.9,     817.0,       2.0);         ( 485290.6, 3743410.1,
     445.0,     817.0,       2.0);
     ( 485192.7, 3743405.0,     447.0,     817.0,       2.0);         ( 485106.0, 3743406.1,
     450.8,     817.0,       2.0);
     ( 485005.1, 3743407.1,     451.2,     817.0,       2.0);         ( 484905.3, 3743410.1,
     456.4,     817.0,       2.0);
     ( 486942.5, 3743532.8,     432.0,     817.0,
     2.0);
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        17:41:44

                      PAGE  64
 *** 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 1 1   1 1 1 1 1 1 1 1 1
            1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 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 1 1 1   1 1 1 1 1 1 1 1 1 1
           1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

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

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name:
UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90				

```
 319.    9.1  278.8    5.5
 10 01 01   1 09   20.1  0.128  0.307  0.010   49.  110.     -9.0  0.19   0.61   0.33    0.90
 239.    9.1  284.2    5.5
 10 01 01   1 10   56.7  0.087  0.560  0.010  107.   62.     -1.0  0.19   0.61   0.26    0.40
 188.    9.1  289.2    5.5
 10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61   0.23    2.70
 310.    9.1  290.9    5.5
 10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61   0.22    2.20
 357.    9.1  293.1    5.5
 10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61   0.22    2.20
 356.    9.1  293.8    5.5
 10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61   0.23    2.20
 50.    9.1  294.2    5.5
 10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61   0.27    1.80
 53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
 11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
 351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
 181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
 318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
 332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:41:44

                     PAGE  66
 *** 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        , VOL10       , VOL11       ,
                  VOL12       , VOL13       , VOL14       ,
                  VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                  VOL20       , VOL21       , VOL22       ,
                  VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                  VOL28       , VOL29       ,  . . .      ,

                                       *** 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)
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - - -
        483662.28   3742990.90        4.25981  (10121516)                 483660.92
        3743037.77        4.20371  (10121516)
        483632.71   3742966.78        4.13766  (10121516)                 483627.25
        3742954.49        4.16158  (10121516)
        483594.94   3742937.66        4.03274  (10121516)                 483590.39
        3742925.37        4.02855  (10121516)
        483326.92   3742783.86        3.02141  (10121516)                 483322.83
        3742801.60        2.96387  (10121516)
        483251.38   3742776.57        2.82176  (10121516)                 483477.54
        3742955.40        3.07600  (10121516)
        483360.24   3742974.39        2.51831  (10121516)                 483306.13
        3742974.79        2.34687  (10121516)
        483361.93   3743014.11        2.45729  (10121516)                 483093.56
        3742973.36        1.69654  (10121516)
        483361.29   3743031.51        2.43240  (10121516)                 483359.96
        3743046.35        2.43014  (10121516)
        483359.27   3743062.67        2.41491  (10121516)                 483358.76
        3743077.79        2.38309  (10121516)
        483358.58   3743093.09        2.35351  (10121516)                 483358.58
        3743108.21        2.32289  (10121516)
        483359.10   3743122.81        2.30814  (10121516)                 483219.94
        3742777.51        2.75114  (10121516)
        483188.19   3742774.03        2.67943  (10121516)                 483154.49
        3742774.03        2.53911  (10121516)
        487352.85   3742161.74        0.72218  (10121516)                 487594.10
        3742883.93        0.61126  (10121516)
        487740.59   3742878.41        0.56256  (10121516)                 487781.26
        3742945.81        0.54669  (10121516)
        487900.95   3742678.93        0.52254  (10121516)                 487832.01
        3742515.86        0.54570  (10121516)
        487713.48   3742284.61        0.58366  (10121516)                 487751.05
        3742334.19        0.57173  (10121516)
        487773.13   3742367.11        0.56479  (10121516)                 487208.30
        3741773.97        0.76274  (10121516)
        487676.34   3741966.97        0.58827  (10121516)                 487659.19
        3741865.11        0.58938  (10121516)
        487452.24   3741714.99        0.65270  (10121516)                 487492.98
        3741728.39        0.63856  (10121516)
        487419.53   3741699.98        0.66398  (10121516)                 486863.50
        3741608.53        0.93083  (10121516)
        483305.42   3742774.69        2.97592  (10121516)                 483252.39
        3742826.78        2.50097  (10121516)
        483248.01   3742883.93        2.34301  (10121516)                 483271.02
        3742977.45        2.21717  (10121516)
        483236.43   3742974.42        2.09302  (10121516)                 483204.18
        3742969.89        1.98173  (10121516)
        483020.32   3742969.89        1.56883  (10121516)                 482990.46
        3742969.37        1.50372  (10121516)
        482948.55   3742964.65        1.44154  (10121516)                 482511.10
        3742964.13        0.85860  (10121516)
        482169.09   3742721.99        0.69542  (10121516)                 482205.43
        3742635.31        0.72768  (10121516)
        482226.62   3742575.13        0.71780  (10121516)                 482236.84
        3742526.68        0.70749  (10121516)
        482300.06   3742439.24        0.73998  (10121516)                 482300.06
        3742368.08        0.70514  (10121516)
        482300.06   3742329.47        0.69667  (10121516)                 482300.06
        3742219.70        0.69741  (10121516)
        482300.81   3742167.09        0.70099  (10121516)                 482291.73
        3742092.52        0.70540  (10121516)
        482290.21   3741997.89        0.71027  (10121516)                 482287.94
        3741884.71        0.71297  (10121516)
        482290.97   3741799.17        0.71219  (10121516)                 482896.84
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        3741725.43        1.71581  (10122116)
        482014.24   3741605.12        0.60041  (10121516)                    481759.68
        3741616.21        0.52390  (10121516)
        481782.49   3741558.89        0.52853  (10121516)                    481738.72
        3741497.25        0.51770  (10012109)
        482899.19   3741347.84        1.74622  (10122116)                    482905.50
        3741318.60        1.78617  (10122116)
        483094.76   3741256.97        2.39624  (10122116)                    483086.06
        3741104.69        2.14747  (10122116)
        483094.04   3740957.48        1.94316  (10122116)                    483086.06
        3740568.07        1.27589  (11010316)
        483009.20   3740676.84        1.26988  (11010316)                    482810.58
        3740169.82        0.93643  (11010316)
        482698.82   3740092.19        0.88048  (11010316)                    482380.08
        3739846.62        0.74329  (11010316)
        482715.43   3739916.28        0.75848  (11010316)                    482244.68
        3739706.94        0.68225  (11010316)
 *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        17:41:44

                        PAGE  67
 *** 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          , VOL10         , VOL11         ,
                   VOL12        , VOL13         , VOL14         ,
                   VOL15        , VOL16         , VOL17         , VOL18         , VOL19         ,
                   VOL20        , VOL21         , VOL22         ,
                   VOL23        , VOL24         , VOL25         , VOL26         , VOL27         ,
                   VOL28        , VOL29         ,  . . .        ,

                                               *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
        482220.64   3739522.63        0.59331  (11010316)                    480667.03
        3738428.48        0.40938  (10113009)
        484755.27   3740097.17        3.26535  (10121516)                    485120.82
        3740097.17        1.76586  (10121516)
        485335.35   3739977.14        1.30096  (10121516)                    485534.79
        3740109.14        1.23265  (10121516)
        485966.31   3739987.30        0.88264  (10121516)                    485941.65
        3739925.65        0.86611  (10121516)
        485621.34   3740251.52        1.26348  (10121516)                    485943.59
        3739842.81        0.82845  (10121516)
        485942.02   3739796.70        0.81349  (16122216)                    485915.82
        3740153.53        0.98924  (10121516)
        485964.55   3740221.65        0.99486  (10121516)                    485690.25
        3740369.51        1.28448  (10121516)
        485710.31   3740401.31        1.28797  (10121516)                    485747.41
        3740462.64        1.29521  (10121516)
        485787.54   3740530.03        1.30286  (10121516)                    485847.36
        3740607.26        1.29757  (10121516)
        485870.49   3740093.39        0.98444  (10121516)                    486164.92
        3740527.57        1.01667  (10121516)
        486230.27   3740623.12        1.01758  (10121516)                    486330.75
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      3740777.24        1.01808  (10121516)
      486099.57   3740920.88        1.25788  (10121516)                486230.56
      3740573.44        0.99642  (10121516)
      486472.35   3741103.24        1.04968  (10121516)                486495.56
      3741156.19        1.05272  (10121516)
      486505.71   3741190.27        1.05777  (10121516)                486565.19
      3741320.10        1.05972  (10121516)
      486507.16   3741478.93        1.16169  (10121516)                486592.75
      3741437.59        1.07760  (10121516)
      486467.45   3741620.75        1.25204  (10121516)                486455.41
      3741644.54        1.27353  (10121516)
      486633.17   3741551.18        1.08122  (10121516)                486717.51
      3741579.21        1.02455  (10121516)
      486897.68   3741647.66        0.91678  (10121516)                486752.18
      3741648.28        1.01619  (10121516)
      487191.46   3741622.85        0.75308  (10121516)                487025.90
      3741639.92        0.83955  (10121516)
      487133.34   3741576.51        0.77451  (10121516)                488012.16
      3743217.05        0.47052  (10121516)
      487998.80   3743333.76        0.48123  (10122309)                488029.09
      3743389.44        0.48567  (10122309)
      488021.96   3743408.60        0.48828  (10122309)                483361.96
      3743140.42        2.31726  (10121516)
      483361.31   3743154.26        2.29576  (10121516)                483360.67
      3743170.68        2.25830  (10121516)
      483360.02   3743171.33        2.25414  (10121516)                483360.99
      3743184.20        2.22807  (10121516)
      483361.31   3743200.30        2.18862  (10121516)                483361.96
      3743217.36        2.17032  (10121516)
      483361.96   3743230.88        2.16313  (10121516)                483361.96
      3743247.94        2.12614  (10121516)
      483361.96   3743261.14        2.08600  (10121516)                483363.57
      3743276.91        2.06907  (10121516)
      483366.14   3743297.84        2.06054  (10121516)                483342.64
      3743400.52        1.83232  (10121516)
      482875.35   3743417.98        0.83742  (10121516)                482893.91
      3743449.04        0.84248  (10121516)
      482802.63   3743396.77        0.80629  (10121516)                482881.79
      3743436.54        0.83564  (10121516)
      482070.28   3742959.52        0.64162  (16010616)                482359.49
      3742961.75        0.68955  (16010616)
      488147.65   3744011.06        0.50762  (10122114)                488355.64
      3743593.90        0.47703  (10122309)
      487855.29   3743109.83        0.51618  (10121516)                487831.34
      3743023.47        0.52790  (10121516)
      485884.32   3741909.49        2.47693  (10121516)                485820.30
      3741815.92        2.51731  (10121516)
      485772.69   3741740.41        2.52720  (10121516)                485707.03
      3741661.61        2.57388  (10121516)
      485649.57   3741582.82        2.59223  (10121516)                485578.98
      3741477.76        2.59653  (10121516)
      485505.11   3741362.84        2.59239  (10121516)                485441.09
      3741261.06        2.58868  (10121516)
      485595.40   3741187.19        2.13674  (10121516)                486002.51
      3741875.02        2.12392  (10121516)
      485745.13   3741113.07        1.80268  (10121516)                485695.88
      3741010.14        1.78000  (10121516)
      485643.35   3740916.57        1.77130  (10121516)                485574.40
      3740788.52        1.75640  (10121516)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:41:44

                     PAGE  68
 *** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
485518.59	3740660.47	1.72378	(10121516)	485431.58	3740497.94	1.70522	(10121516)
485357.70	3740369.90	1.69404	(10121516)	485292.04	3740246.77	1.66435	(10121516)
485243.34	3740149.91	1.62290	(10121516)	484700.97	3740109.82	3.92306	(10121516)
484611.23	3740109.82	5.32081	(14111116)	484525.52	3740111.83	5.56147	(14111116)
484424.69	3740110.82	5.94834	(14111116)	484326.88	3740110.82	4.75440	(11010316)
484236.14	3740110.82	4.39967	(11010316)	484149.42	3740109.82	3.34008	(11010316)
484067.75	3740108.81	2.48856	(11010316)	483983.05	3740110.82	1.91069	(11010316)
484306.22	3740724.68	6.36629	(10121516)	484307.08	3740668.97	6.66304	(10121516)
484305.37	3740611.54	6.81947	(16010616)	484303.01	3740549.61	6.32820	(10121516)
484307.10	3740473.28	6.71193	(16010616)	484305.46	3740397.74	8.38286	(16010616)
484303.82	3740309.06	8.17174	(16010616)	484302.18	3740233.51	7.17755	(11010316)
484293.97	3742079.44	8.37735	(10122116)	484293.97	3742181.26	8.05866	(10121516)
484290.68	3742271.59	7.86217	(10121516)	484293.96	3742384.90	8.19027	(10121516)
484289.04	3742490.01	8.01907	(10121516)	484290.68	3742596.76	8.24807	(10121516)
484289.04	3742711.72	8.11038	(10121516)	484272.62	3742813.54	7.77544	(10121516)
484251.27	3742890.73	7.13942	(10121516)	483927.74	3743317.73	3.22632	(10121516)
485532.63	3743420.18	3.84201	(10121516)	485459.00	3743418.16	4.50366	(10121716)
485383.36	3743416.14	5.98809	(10121716)	485290.56	3743410.09	6.51352	(10121716)
485192.73	3743405.05	6.85611	(10121716)	485105.99	3743406.06	7.60766	(10121716)
485005.14	3743407.07	6.68972	(10121716)	484905.29	3743410.09	7.04873	(10121716)
486942.50	3743532.82	0.81260	(10121516)				

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
ALL	1ST HIGH	1ST HIGH VALUE IS	8.38286	ON 16010616:	AT (484305.46, 3740397.74, 437.21, 765.00, 2.00)	DC	

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

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

******** WARNING MESSAGES ********

ME W186	1001	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	1001	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	2 year gap

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

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/2/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Cons\13265 Cons
PM10\13265 Cons PM10.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_10
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Cons PM10.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484610.109  3740632.130      433.870
   LOCATION VOL4         VOLUME     484608.032  3740854.507      438.630
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484429.548  3741072.747      477.830
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
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   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485299.542  3742597.842      431.000
   LOCATION VOL49        VOLUME     485422.827  3742741.720      431.000
   LOCATION VOL50        VOLUME     485422.827  3742529.910      431.000
   LOCATION VOL51        VOLUME     485303.015  3742382.284      431.000
   LOCATION VOL52        VOLUME     485403.571  3742354.470      431.000
   LOCATION VOL53        VOLUME     485161.807  3742202.566      431.000
   LOCATION VOL54        VOLUME     484432.237  3740852.539      472.110
   LOCATION VOL55        VOLUME     484607.676  3740418.220      431.050
   LOCATION VOL56        VOLUME     484611.955  3740259.896      430.000
   LOCATION VOL57        VOLUME     484430.097  3740264.175      431.980
   LOCATION PAREA1       AREAPOLY   484315.993  3742945.944      472.580
** Source Parameters **
   SRCPARAM VOL1         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL2         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL3         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL4         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL5         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL6         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL7         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL8         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL10        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL11        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL12        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL13        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL14        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL15        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL16        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL17        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL18        0.0000715897     5.000    50.305     1.400
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   SRCPARAM VOL20        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL21        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL22        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL23        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL24        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL25        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL26        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL27        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL28        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL29        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL30        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL31        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL33        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL34        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL35        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL36        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL37        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL38        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL39        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL40        0.0000715897     5.000    50.305     1.400
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   SRCPARAM VOL43        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL44        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL45        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL46        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL47        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL48        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL49        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL50        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL51        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL52        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL53        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL54        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL55        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL56        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL57        0.0000715897     5.000    50.305     1.400
   SRCPARAM PAREA1       5.3859E-08     0.000        14     1.000
   AREAVERT PAREA1       484315.993 3742945.944 484390.561 3742982.319
   AREAVERT PAREA1       484443.305 3743015.056 484514.236 3743064.162
   AREAVERT PAREA1       484641.549 3743184.200 484810.693 3743349.706
   AREAVERT PAREA1       485263.561 3743362.437 485267.199 3743284.231
   AREAVERT PAREA1       485527.280 3743284.231 485529.099 3742247.544
   AREAVERT PAREA1       485323.580 3742247.544 484723.393 3741336.350
   AREAVERT PAREA1       484725.211 3740150.525 484321.449 3740152.343
   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
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   EMISFACT VOL3          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4          HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4          HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5          HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5          HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6          HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7          HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   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
** 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 VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        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
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   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 "13265 Cons PM10.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "13265 CONS PM10.AD\24H1GALL.PLT" 31
   SUMMFILE "13265 Cons PM10.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

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** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/2/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Cons\13265 Cons
PM10\13265 Cons PM10.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_10
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Cons PM10.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484610.109  3740632.130      433.870
   LOCATION VOL4         VOLUME     484608.032  3740854.507      438.630
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484429.548  3741072.747      477.830
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
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   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485299.542  3742597.842      431.000
   LOCATION VOL49        VOLUME     485422.827  3742741.720      431.000
   LOCATION VOL50        VOLUME     485422.827  3742529.910      431.000
   LOCATION VOL51        VOLUME     485303.015  3742382.284      431.000
   LOCATION VOL52        VOLUME     485403.571  3742354.470      431.000
   LOCATION VOL53        VOLUME     485161.807  3742202.566      431.000
   LOCATION VOL54        VOLUME     484432.237  3740852.539      472.110
   LOCATION VOL55        VOLUME     484607.676  3740418.220      431.050
   LOCATION VOL56        VOLUME     484611.955  3740259.896      430.000
   LOCATION VOL57        VOLUME     484430.097  3740264.175      431.980
   LOCATION PAREA1       AREAPOLY   484315.993  3742945.944      472.580
** Source Parameters **
   SRCPARAM VOL1         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL2         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL3         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL4         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL5         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL6         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL7         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL8         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL10        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL11        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL12        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL13        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL14        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL15        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL16        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL17        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL18        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL19        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL20        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL21        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL22        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL23        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL24        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL25        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL26        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL27        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL28        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL29        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL30        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL31        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL33        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL34        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL35        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL36        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL37        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL38        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL39        0.0000715897     5.000    50.305     1.400
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   SRCPARAM VOL40        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL41        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL42        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL43        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL44        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL45        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL46        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL47        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL48        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL49        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL50        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL51        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL52        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL53        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL54        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL55        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL56        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL57        0.0000715897     5.000    50.305     1.400
   SRCPARAM PAREA1       5.3859E-08     0.000        14     1.000
   AREAVERT PAREA1       484315.993 3742945.944 484390.561 3742982.319
   AREAVERT PAREA1       484443.305 3743015.056 484514.236 3743064.162
   AREAVERT PAREA1       484641.549 3743184.200 484810.693 3743349.706
   AREAVERT PAREA1       485263.561 3743362.437 485267.199 3743284.231
   AREAVERT PAREA1       485527.280 3743284.231 485529.099 3742247.544
   AREAVERT PAREA1       485323.580 3742247.544 484723.393 3741336.350
   AREAVERT PAREA1       484725.211 3740150.525 484321.449 3740152.343
   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:
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   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   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
** 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 VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        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
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   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 "13265 Cons PM10.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "13265 CONS PM10.AD\24H1GALL.PLT" 31
   SUMMFILE "13265 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   ********
```

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 ME W186    1025       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187    1025       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

                     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    56 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:     56 Source(s);       1 Source Group(s); and     200 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:     55 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) = 442.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

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

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

**Detailed Error/Message File: 13265 Cons
PM10.err
**File for Summary of Results: 13265 Cons
PM10.sum

FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\ *** 05/02/23
*** AERMET - VERSION 16216 ***
*** *** 17:43:48

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	
VOL1	0	0.71590E-04	484430.8	3740413.0	434.6	5.00	50.30	1.40	YES HRDOW
VOL2	0	0.71590E-04	484431.8	3740634.3	442.9	5.00	50.30	1.40	YES HRDOW
VOL3	0	0.71590E-04	484610.1	3740632.1	433.9	5.00	50.30	1.40	YES HRDOW
VOL4	0	0.71590E-04	484608.0	3740854.5	438.6	5.00	50.30	1.40	YES HRDOW
VOL5	0	0.71590E-04	484604.9	3741070.8	448.3	5.00	50.30	1.40	YES HRDOW
VOL6	0	0.71590E-04	484429.5	3741072.7	477.8	5.00	50.30	1.40	YES HRDOW
VOL7	0	0.71590E-04	484433.8	3741291.0	468.5	5.00	50.30	1.40	YES HRDOW
VOL8	0	0.71590E-04	484618.6	3741291.0	453.1	5.00	50.30	1.40	YES HRDOW
VOL10	0	0.71590E-04	484435.7	3741505.4	465.8	5.00	50.30	1.40	YES HRDOW
VOL11	0	0.71590E-04	484626.5	3741507.4	449.9	5.00	50.30	1.40	YES HRDOW
VOL12	0	0.71590E-04	484733.4	3741510.5	442.6	5.00	50.30	1.40	YES HRDOW
VOL13	0	0.71590E-04	484433.8	3741727.6	465.1	5.00	50.30	1.40	YES HRDOW
VOL14	0	0.71590E-04	484652.0	3741727.6	445.5	5.00	50.30	1.40	

YES HRDOW								
VOL15	0	0.71590E-04	484870.3	3741729.6	436.0	5.00	50.30	1.40
YES HRDOW								
VOL16	0	0.71590E-04	484435.7	3741947.8	459.9	5.00	50.30	1.40
YES HRDOW								
VOL17	0	0.71590E-04	484607.2	3741945.9	448.5	5.00	50.30	1.40
YES HRDOW								
VOL18	0	0.71590E-04	484772.0	3741947.8	440.5	5.00	50.30	1.40
YES HRDOW								
VOL19	0	0.71590E-04	484970.2	3741949.8	431.7	5.00	50.30	1.40
YES HRDOW								
VOL20	0	0.71590E-04	484435.7	3742166.1	456.5	5.00	50.30	1.40
YES HRDOW								
VOL21	0	0.71590E-04	484641.8	3742166.1	447.2	5.00	50.30	1.40
YES HRDOW								
VOL22	0	0.71590E-04	484841.6	3742164.5	439.2	5.00	50.30	1.40
YES HRDOW								
VOL23	0	0.71590E-04	485044.6	3742165.3	431.2	5.00	50.30	1.40
YES HRDOW								
VOL24	0	0.71590E-04	484436.5	3742387.3	456.4	5.00	50.30	1.40
YES HRDOW								
VOL25	0	0.71590E-04	484650.5	3742382.3	447.5	5.00	50.30	1.40
YES HRDOW								
VOL26	0	0.71590E-04	484867.8	3742382.3	439.7	5.00	50.30	1.40
YES HRDOW								
VOL27	0	0.71590E-04	485083.4	3742384.0	431.9	5.00	50.30	1.40
YES HRDOW								
VOL28	0	0.71590E-04	484436.5	3742601.3	456.4	5.00	50.30	1.40
YES HRDOW								
VOL29	0	0.71590E-04	484653.8	3742597.9	449.2	5.00	50.30	1.40
YES HRDOW								
VOL30	0	0.71590E-04	484869.4	3742597.9	442.0	5.00	50.30	1.40
YES HRDOW								
VOL31	0	0.71590E-04	485086.7	3742599.6	434.8	5.00	50.30	1.40
YES HRDOW								
VOL33	0	0.71590E-04	484438.2	3742815.2	461.4	5.00	50.30	1.40
YES HRDOW								
VOL34	0	0.71590E-04	484653.8	3742813.5	453.1	5.00	50.30	1.40
YES HRDOW								
VOL35	0	0.71590E-04	484871.1	3742813.5	444.9	5.00	50.30	1.40
YES HRDOW								
VOL36	0	0.71590E-04	485086.7	3742815.2	439.0	5.00	50.30	1.40
YES HRDOW								
VOL37	0	0.71590E-04	485297.3	3742815.2	433.7	5.00	50.30	1.40
YES HRDOW								
VOL38	0	0.71590E-04	484520.1	3742913.8	459.9	5.00	50.30	1.40
YES HRDOW								
VOL39	0	0.71590E-04	484657.2	3743029.2	456.3	5.00	50.30	1.40
YES HRDOW								
VOL40	0	0.71590E-04	484869.4	3743029.2	448.1	5.00	50.30	1.40
YES HRDOW								
VOL41	0	0.71590E-04	485081.7	3743032.5	443.0	5.00	50.30	1.40
YES HRDOW								
VOL42	0	0.71590E-04	485299.0	3743034.2	438.7	5.00	50.30	1.40
YES HRDOW								

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
VOL43	0	0.71590E-04	485424.4	3742957.3	433.2	5.00	50.30	1.40	YES HRDOW
VOL44	0	0.71590E-04	485422.7	3743172.9	437.1	5.00	50.30	1.40	YES HRDOW
VOL45	0	0.71590E-04	484844.4	3743194.6	451.9	5.00	50.30	1.40	YES HRDOW
VOL46	0	0.71590E-04	485065.0	3743244.8	447.2	5.00	50.30	1.40	YES HRDOW
VOL47	0	0.71590E-04	485208.7	3743248.1	443.7	5.00	50.30	1.40	YES HRDOW
VOL48	0	0.71590E-04	485299.5	3742597.8	431.0	5.00	50.30	1.40	YES HRDOW
VOL49	0	0.71590E-04	485422.8	3742741.7	431.0	5.00	50.30	1.40	YES HRDOW
VOL50	0	0.71590E-04	485422.8	3742529.9	431.0	5.00	50.30	1.40	YES HRDOW
VOL51	0	0.71590E-04	485303.0	3742382.3	431.0	5.00	50.30	1.40	YES HRDOW
VOL52	0	0.71590E-04	485403.6	3742354.5	431.0	5.00	50.30	1.40	YES HRDOW
VOL53	0	0.71590E-04	485161.8	3742202.6	431.0	5.00	50.30	1.40	YES HRDOW
VOL54	0	0.71590E-04	484432.2	3740852.5	472.1	5.00	50.30	1.40	YES HRDOW
VOL55	0	0.71590E-04	484607.7	3740418.2	431.1	5.00	50.30	1.40	YES HRDOW
VOL56	0	0.71590E-04	484612.0	3740259.9	430.0	5.00	50.30	1.40	YES HRDOW
VOL57	0	0.71590E-04	484430.1	3740264.2	432.0	5.00	50.30	1.40	YES HRDOW

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

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART. CATS.	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)	SCALAR VARY BY
PAREA1	0	0.53859E-07	484316.0	3742945.9	472.6	0.00	14	1.00	YES HRDOW

*** 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 ,
	VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 ,
	VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 , VOL25 ,
	VOL26 , VOL27 , VOL28 , VOL29 , VOL30 , VOL31 , VOL33 , VOL34 ,
	VOL35 , VOL36 , VOL37 , VOL38 , VOL39 , VOL40 , VOL41 , VOL42 ,
	VOL43 , VOL44 , VOL45 , VOL46 , VOL47 , VOL48 , VOL49 , VOL50 ,
	VOL51 , VOL52 , VOL53 , VOL54 , VOL55 , VOL56 , VOL57 , PAREA1 ,

*** 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 ,
		VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 ,
		VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 , VOL25 ,
		VOL26 , VOL27 , VOL28 , VOL29 , VOL30 , VOL31 , VOL33 , VOL34 ,
		VOL35 , VOL36 , VOL37 , VOL38 , VOL39 , VOL40 , VOL41 , VOL42 ,
		VOL43 , VOL44 , VOL45 , VOL46 , VOL47 , VOL48 , VOL49 , VOL50 ,
		VOL51 , VOL52 , VOL53 , VOL54 , VOL55 , VOL56 , VOL57 , PAREA1 ,

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

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

SOURCE ID = VOL2 ; 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													

DAY OF WEEK = SUNDAY

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

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

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

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

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        17:43:48

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        17:43:48

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        17:43:48

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        17:43:48
```

*** 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\ *** 05/02/23
*** AERMET - VERSION 16216 ***
*** *** 17:43:48

*** 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

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

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

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

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

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

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

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

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

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

DAY OF WEEK = SUNDAY

* 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

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

* 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

```
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       17:43:48

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       17:43:48

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

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *
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```
 SOURCE ID = VOL16        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        17:43:48

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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\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
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 *** AERMET - VERSION  16216 ***
 ***                                                                           ***        17:43:48

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***       05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                           ***        17:43:48

                      PAGE  24
 *** 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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        17:43:48

                      PAGE  25
 *** 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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        17:43:48

                      PAGE  26
 *** 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								

* 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :

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

```
 - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***       05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                           ***        17:43:48

                        PAGE  29
 *** 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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***       05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                           ***        17:43:48

                        PAGE  30
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*
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                    * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                    (HRDOW) *

 SOURCE ID = VOL25        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
 *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        17:43:48

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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
```

* 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

* 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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

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

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

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

                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

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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
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48
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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
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	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 = VOL36 ; 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												

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    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

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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

FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\ *** 05/02/23
*** AERMET - VERSION 16216 ***
*** *** 17:43:48

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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

FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\ *** 05/02/23
*** AERMET - VERSION 16216 ***
*** *** 17:43:48

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
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* 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

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

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :

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

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

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

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

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

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :

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

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

```
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

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

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

 SOURCE ID = VOL49        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

```
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        17:43:48

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

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

 SOURCE ID = VOL50        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        17:43:48

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

SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL52 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL53 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = VOL54 ; 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	

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    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

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

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

 SOURCE ID = VOL55        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

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

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

 SOURCE ID = VOL56        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

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

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

 SOURCE ID = VOL57        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

                     PAGE  62
 *** 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 :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        17:43:48

                        PAGE  63
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

     ( 483662.3, 3742990.9,     490.5,     817.0,       2.0);         ( 483660.9, 3743037.8,
     489.1,     817.0,       2.0);
     ( 483632.7, 3742966.8,     490.2,     817.0,       2.0);         ( 483627.2, 3742954.5,
     491.7,     817.0,       2.0);
     ( 483594.9, 3742937.7,     491.3,     817.0,       2.0);         ( 483590.4, 3742925.4,
     492.1,     817.0,       2.0);
     ( 483326.9, 3742783.9,     488.8,     765.0,       2.0);         ( 483322.8, 3742801.6,
     486.9,     765.0,       2.0);
     ( 483251.4, 3742776.6,     488.3,     765.0,       2.0);         ( 483477.5, 3742955.4,
     479.9,     817.0,       2.0);
     ( 483360.2, 3742974.4,     474.4,     817.0,       2.0);         ( 483306.1, 3742974.8,
     473.3,     817.0,       2.0);
     ( 483361.9, 3743014.1,     473.1,     817.0,       2.0);         ( 483093.6, 3742973.4,
     467.5,     765.0,       2.0);
     ( 483361.3, 3743031.5,     472.7,     817.0,       2.0);         ( 483360.0, 3743046.3,
     472.7,     817.0,       2.0);
     ( 483359.3, 3743062.7,     472.4,     817.0,       2.0);         ( 483358.8, 3743077.8,
     471.9,     817.0,       2.0);
     ( 483358.6, 3743093.1,     471.4,     817.0,       2.0);         ( 483358.6, 3743108.2,
     470.9,     817.0,       2.0);
     ( 483359.1, 3743122.8,     470.6,     817.0,       2.0);         ( 483219.9, 3742777.5,
     488.1,     765.0,       2.0);
     ( 483188.2, 3742774.0,     488.1,     765.0,       2.0);         ( 483154.5, 3742774.0,
     486.2,     765.0,       2.0);
     ( 487352.8, 3742161.7,     438.6,     817.0,       2.0);         ( 487594.1, 3742883.9,
     438.0,     817.0,       2.0);
     ( 487740.6, 3742878.4,     440.0,     817.0,       2.0);         ( 487781.3, 3742945.8,
     440.0,     817.0,       2.0);
```

(487901.0, 3742678.9, 444.0, 817.0, 2.0); (487832.0, 3742515.9, 444.0, 817.0, 2.0);
(487713.5, 3742284.6, 443.8, 817.0, 2.0); (487751.0, 3742334.2, 444.0, 817.0, 2.0);
(487773.1, 3742367.1, 444.0, 817.0, 2.0); (487208.3, 3741774.0, 442.7, 442.7, 2.0);
(487676.3, 3741967.0, 444.0, 444.0, 2.0); (487659.2, 3741865.1, 444.0, 444.0, 2.0);
(487452.2, 3741715.0, 444.0, 444.0, 2.0); (487493.0, 3741728.4, 444.1, 444.1, 2.0);
(487419.5, 3741700.0, 444.2, 444.2, 2.0); (486863.5, 3741608.5, 442.1, 442.1, 2.0);
(483305.4, 3742774.7, 489.4, 765.0, 2.0); (483252.4, 3742826.8, 480.7, 765.0, 2.0);
(483248.0, 3742883.9, 476.5, 765.0, 2.0); (483271.0, 3742977.4, 472.3, 817.0, 2.0);
(483236.4, 3742974.4, 471.3, 817.0, 2.0); (483204.2, 3742969.9, 470.4, 816.0, 2.0);
(483020.3, 3742969.9, 466.9, 765.0, 2.0); (482990.5, 3742969.4, 466.2, 765.0, 2.0);
(482948.5, 3742964.6, 466.0, 765.0, 2.0); (482511.1, 3742964.1, 459.5, 765.0, 2.0);
(482169.1, 3742722.0, 464.6, 765.0, 2.0); (482205.4, 3742635.3, 467.8, 765.0, 2.0);
(482226.6, 3742575.1, 467.5, 765.0, 2.0); (482236.8, 3742526.7, 467.2, 765.0, 2.0);
(482300.1, 3742439.2, 469.5, 765.0, 2.0); (482300.1, 3742368.1, 466.4, 765.0, 2.0);
(482300.1, 3742329.5, 463.9, 765.0, 2.0); (482300.1, 3742219.7, 461.8, 765.0, 2.0);
(482300.8, 3742167.1, 460.9, 765.0, 2.0); (482291.7, 3742092.5, 458.3, 765.0, 2.0);
(482290.2, 3741997.9, 458.0, 765.0, 2.0); (482287.9, 3741884.7, 454.9, 765.0, 2.0);
(482291.0, 3741799.2, 451.2, 765.0, 2.0); (482896.8, 3741725.4, 464.6, 765.0, 2.0);
(482014.2, 3741605.1, 443.9, 765.0, 2.0); (481759.7, 3741616.2, 440.3, 765.0, 2.0);
(481782.5, 3741558.9, 441.0, 765.0, 2.0); (481738.7, 3741497.2, 440.0, 765.0, 2.0);
(482899.2, 3741347.8, 456.0, 765.0, 2.0); (482905.5, 3741318.6, 456.0, 765.0, 2.0);
(483094.8, 3741257.0, 460.7, 765.0, 2.0); (483086.1, 3741104.7, 456.5, 765.0, 2.0);
(483094.0, 3740957.5, 454.9, 765.0, 2.0); (483086.1, 3740568.1, 451.5, 585.0, 2.0);
(483009.2, 3740676.8, 450.0, 585.0, 2.0); (482810.6, 3740169.8, 439.9, 439.9, 2.0);
(482698.8, 3740092.2, 437.7, 437.7, 2.0); (482380.1, 3739846.6, 434.0, 434.0, 2.0);
(482715.4, 3739916.3, 435.3, 435.3, 2.0); (482244.7, 3739706.9, 432.7, 432.7, 2.0);
(482220.6, 3739522.6, 432.0, 432.0, 2.0); (480667.0, 3738428.5, 432.0, 432.0, 2.0);
(484755.3, 3740097.2, 430.0, 533.0, 2.0); (485120.8, 3740097.2, 432.0, 432.0, 2.0);
(485335.3, 3739977.1, 433.0, 433.0, 2.0); (485534.8, 3740109.1, 434.0, 434.0, 2.0);
(485966.3, 3739987.3, 443.8, 800.0, 2.0); (485941.6, 3739925.6, 443.7, 800.0, 2.0);
(485621.3, 3740251.5, 434.5, 434.5, 2.0); (485943.6, 3739842.8, 444.1, 800.0, 2.0);

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

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

(485942.0, 3739796.7, 444.7, 811.0, 2.0); (485915.8, 3740153.5, 439.8, 800.0, 2.0);
(485964.5, 3740221.6, 438.5, 800.0, 2.0); (485690.2, 3740369.5, 434.3, 434.3, 2.0);
(485710.3, 3740401.3, 434.5, 434.5, 2.0); (485747.4, 3740462.6, 434.1, 434.1, 2.0);
(485787.5, 3740530.0, 434.0, 434.0, 2.0); (485847.4, 3740607.3, 434.0, 434.0, 2.0);
(485870.5, 3740093.4, 439.8, 800.0, 2.0); (486164.9, 3740527.6, 438.0, 800.0, 2.0);
(486230.3, 3740623.1, 438.0, 800.0, 2.0); (486330.8, 3740777.2, 439.7, 800.0, 2.0);
(486099.6, 3740920.9, 436.0, 436.0, 2.0); (486230.6, 3740573.4, 438.4, 800.0, 2.0);
(486472.3, 3741103.2, 440.0, 440.0, 2.0); (486495.6, 3741156.2, 440.1, 440.1, 2.0);
(486505.7, 3741190.3, 440.0, 440.0, 2.0); (486565.2, 3741320.1, 439.0, 439.0, 2.0);
(486507.2, 3741478.9, 437.6, 765.0, 2.0); (486592.8, 3741437.6, 438.4, 438.4, 2.0);
(486467.5, 3741620.8, 436.2, 817.0, 2.0); (486455.4, 3741644.5, 436.0, 817.0, 2.0);
(486633.2, 3741551.2, 439.0, 765.0, 2.0); (486717.5, 3741579.2, 440.6, 440.6, 2.0);
(486897.7, 3741647.7, 442.0, 442.0, 2.0); (486752.2, 3741648.3, 440.7, 440.7, 2.0);
(487191.5, 3741622.8, 444.8, 444.8, 2.0); (487025.9, 3741639.9, 444.0, 444.0, 2.0);
(487133.3, 3741576.5, 445.3, 445.3, 2.0); (488012.2, 3743217.0, 442.0, 817.0, 2.0);
(487998.8, 3743333.8, 441.3, 817.0, 2.0); (488029.1, 3743389.4, 441.3, 817.0, 2.0);
(488022.0, 3743408.6, 441.0, 817.0, 2.0); (483362.0, 3743140.4, 470.7, 817.0, 2.0);
(483361.3, 3743154.3, 470.4, 817.0, 2.0); (483360.7, 3743170.7, 469.9, 817.0, 2.0);
(483361.0, 3743184.2, 469.4, 817.0, 2.0); (483361.3, 3743200.3, 468.9, 817.0, 2.0);
(483362.0, 3743217.4, 468.7, 817.0, 2.0); (483362.0, 3743230.9, 468.7, 817.0, 2.0);
(483362.0, 3743247.9, 468.3, 817.0, 2.0); (483362.0, 3743261.1, 467.9, 817.0, 2.0);
(483363.6, 3743276.9, 467.8, 817.0, 2.0); (483366.1, 3743297.8, 467.9, 817.0, 2.0);
(483342.6, 3743400.5, 466.2, 817.0, 2.0); (482875.3, 3743418.0, 454.0, 817.0, 2.0);
(482893.9, 3743449.0, 454.1, 817.0, 2.0); (482802.6, 3743396.8, 453.1, 817.0, 2.0);
(482881.8, 3743436.5, 454.0, 817.0, 2.0); (482070.3, 3742959.5, 446.7, 765.0, 2.0);
(482359.5, 3742961.8, 454.5, 765.0, 2.0); (488147.6, 3744011.1, 437.0, 817.0, 2.0);
(488355.6, 3743593.9, 444.0, 817.0, 2.0); (487855.3, 3743109.8, 441.0, 817.0, 2.0);
(487831.3, 3743023.5, 440.7, 817.0, 2.0); (485884.3, 3741909.5, 431.0, 817.0, 2.0);
(485820.3, 3741815.9, 431.0, 817.0, 2.0); (485772.7, 3741740.4, 431.0, 817.0, 2.0);

(485707.0, 3741661.6, 431.0, 817.0, 2.0); (485649.6, 3741582.8, 431.0, 817.0, 2.0);
(485579.0, 3741477.8, 431.0, 817.0, 2.0); (485505.1, 3741362.8, 431.0, 765.0, 2.0);
(485441.1, 3741261.1, 431.0, 765.0, 2.0); (485595.4, 3741187.2, 431.1, 765.0, 2.0);
(486002.5, 3741875.0, 432.0, 817.0, 2.0); (485745.1, 3741113.1, 432.0, 765.0, 2.0);
(485695.9, 3741010.1, 432.0, 765.0, 2.0); (485643.3, 3740916.6, 432.0, 765.0, 2.0);
(485574.4, 3740788.5, 432.0, 765.0, 2.0); (485518.6, 3740660.5, 433.0, 765.0, 2.0);
(485431.6, 3740497.9, 433.0, 433.0, 2.0); (485357.7, 3740369.9, 432.0, 432.0, 2.0);
(485292.0, 3740246.8, 432.0, 432.0, 2.0); (485243.3, 3740149.9, 432.0, 432.0, 2.0);
(484701.0, 3740109.8, 430.0, 533.0, 2.0); (484611.2, 3740109.8, 430.0, 533.0, 2.0);
(484525.5, 3740111.8, 430.0, 533.0, 2.0); (484424.7, 3740110.8, 430.0, 585.0, 2.0);
(484326.9, 3740110.8, 431.1, 585.0, 2.0); (484236.1, 3740110.8, 432.0, 585.0, 2.0);
(484149.4, 3740109.8, 432.8, 585.0, 2.0); (484067.8, 3740108.8, 432.9, 585.0, 2.0);
(483983.0, 3740110.8, 433.9, 585.0, 2.0); (484306.2, 3740724.7, 457.8, 765.0, 2.0);
(484307.1, 3740669.0, 451.3, 765.0, 2.0); (484305.4, 3740611.5, 447.8, 765.0, 2.0);
(484303.0, 3740549.6, 444.8, 765.0, 2.0); (484307.1, 3740473.3, 439.6, 765.0, 2.0);
(484305.5, 3740397.7, 437.2, 765.0, 2.0); (484303.8, 3740309.1, 434.4, 585.0, 2.0);

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

(484302.2, 3740233.5, 432.9, 585.0, 2.0); (484294.0, 3742079.4, 469.2, 765.0, 2.0);
(484294.0, 3742181.3, 466.6, 817.0, 2.0); (484290.7, 3742271.6, 465.6, 817.0, 2.0);
(484294.0, 3742384.9, 463.4, 817.0, 2.0); (484289.0, 3742490.0, 463.7, 817.0, 2.0);
(484290.7, 3742596.8, 463.5, 817.0, 2.0); (484289.0, 3742711.7, 465.3, 817.0, 2.0);
(484272.6, 3742813.5, 468.8, 817.0, 2.0); (484251.3, 3742890.7, 474.4, 817.0, 2.0);
(483927.7, 3743317.7, 622.8, 765.0, 2.0); (485532.6, 3743420.2, 437.9, 817.0, 2.0);
(485459.0, 3743418.2, 440.4, 817.0, 2.0); (485383.4, 3743416.1, 442.9, 817.0, 2.0);
(485290.6, 3743410.1, 445.0, 817.0, 2.0); (485192.7, 3743405.0, 447.0, 817.0, 2.0);
(485106.0, 3743406.1, 450.8, 817.0, 2.0); (485005.1, 3743407.1, 451.2, 817.0, 2.0);
(484905.3, 3743410.1, 456.4, 817.0, 2.0); (486942.5, 3743532.8, 432.0, 817.0, 2.0);

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

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

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

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

(METERS/SEC)

1.54,   3.09,   5.14,   8.23, 10.80,

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name:
UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT

```
 10 01 01   1 01   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
 335.    9.1  282.5    5.5
 10 01 01   1 02   -3.9  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 142.    9.1  280.9    5.5
 10 01 01   1 03   -3.9  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 324.    9.1  280.4    5.5
 10 01 01   1 04   -1.3  0.064 -9.000 -9.000 -999.   39.     18.3  0.19   0.61   1.00    0.40
 294.    9.1  278.8    5.5
 10 01 01   1 05   -3.9  0.088 -9.000 -9.000 -999.   62.     15.0  0.19   0.61   1.00    0.90
 205.    9.1  278.1    5.5
 10 01 01   1 06   -1.3  0.065 -9.000 -9.000 -999.   39.     18.3  0.19   0.61   1.00    0.40
 3.    9.1  277.0    5.5
 10 01 01   1 07   -8.0  0.125 -9.000 -9.000 -999.  106.     21.0  0.19   0.61   1.00    1.30
 99.    9.1  277.0    5.5
 10 01 01   1 08   -3.3  0.086 -9.000 -9.000 -999.   61.     16.8  0.19   0.61   0.54    0.90
 319.    9.1  278.8    5.5
 10 01 01   1 09   20.1  0.128  0.307  0.010   49.  110.     -9.0  0.19   0.61   0.33    0.90
 239.    9.1  284.2    5.5
 10 01 01   1 10   56.7  0.087  0.560  0.010  107.   62.     -1.0  0.19   0.61   0.26    0.40
 188.    9.1  289.2    5.5
 10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61   0.23    2.70
 310.    9.1  290.9    5.5
 10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61   0.22    2.20
 357.    9.1  293.1    5.5
 10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61   0.22    2.20
 356.    9.1  293.8    5.5
 10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61   0.23    2.20
 50.    9.1  294.2    5.5
 10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61   0.27    1.80
 53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
 11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
 351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
 181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
 318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
 332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

                      PAGE  68
 *** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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 (M)	CONC	(YYMMDDHH)
483662.28	3742990.90	0.05930	(10121524)	483660.92	3743037.77	0.05979	(10121524)
483632.71	3742966.78	0.05750	(10121524)	483627.25	3742954.49	0.05695	(10121524)
483594.94	3742937.66	0.05516	(10121524)	483590.39	3742925.37	0.05467	(10121524)
483326.92	3742783.86	0.04268	(10121524)	483322.83	3742801.60	0.04292	(10121524)
483251.38	3742776.57	0.04046	(10121524)	483477.54	3742955.40	0.05085	(10121524)
483360.24	3742974.39	0.04707	(10121524)	483306.13	3742974.79	0.04539	(10121524)
483361.93	3743014.11	0.04764	(10121524)	483093.56	3742973.36	0.03963	(10121524)
483361.29	3743031.51	0.04782	(10121524)	483359.96	3743046.35	0.04794	(10121524)
483359.27	3743062.67	0.04807	(10121524)	483358.76	3743077.79	0.04820	(10121524)
483358.58	3743093.09	0.04832	(10121524)	483358.58	3743108.21	0.04842	(10121524)
483359.10	3743122.81	0.04850	(10121524)	483219.94	3742777.51	0.03966	(10121524)
483188.19	3742774.03	0.03881	(10121524)	483154.49	3742774.03	0.03804	(10121524)
487352.85	3742161.74	0.01317	(14122224)	487594.10	3742883.93	0.01742	(14122224)
487740.59	3742878.41	0.01705	(14122224)	487781.26	3742945.81	0.01706	(14122224)
487900.95	3742678.93	0.01587	(14122224)	487832.01	3742515.86	0.01497	(14122224)
487713.48	3742284.61	0.01336	(14122224)	487751.05	3742334.19	0.01370	(14122224)
487773.13	3742367.11	0.01392	(14122224)	487208.30	3741773.97	0.01372	(10021524)
487676.34	3741966.97	0.01250	(10021524)	487659.19	3741865.11	0.01274	(10021524)
487452.24	3741714.99	0.01312	(10021524)	487492.98	3741728.39	0.01306	(10021524)
487419.53	3741699.98	0.01317	(10021524)	486863.50	3741608.53	0.01526	(10021524)
483305.42	3742774.69	0.04188	(10121524)	483252.39	3742826.78	0.04152	(10121524)
483248.01	3742883.93	0.04235	(10121524)	483271.02	3742977.45	0.04439	(10121524)
483236.43	3742974.42	0.04338	(10121524)	483204.18	3742969.89	0.04243	(10121524)
483020.32	3742969.89	0.03789	(10121524)	482990.46	3742969.37	0.03722	(10121524)

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       482948.55   3742964.65        0.03628  (10121524)                482511.10
       3742964.13        0.03069c (15120924)
       482169.09   3742721.99        0.02998c (15120924)                482205.43
       3742635.31        0.03042c (15120924)
       482226.62   3742575.13        0.03057c (15120924)                482236.84
       3742526.68        0.03062c (15120924)
       482300.06   3742439.24        0.03101c (15120924)                482300.06
       3742368.08        0.03078c (15120924)
       482300.06   3742329.47        0.03061c (15120924)                482300.06
       3742219.70        0.03027c (15120924)
       482300.81   3742167.09        0.03011c (15120924)                482291.73
       3742092.52        0.02979  (11012424)
       482290.21   3741997.89        0.03045  (11012424)                482287.94
       3741884.71        0.03077  (11012424)
       482290.97   3741799.17        0.03075  (11012424)                482896.84
       3741725.43        0.03476c (15120924)
       482014.24   3741605.12        0.02900  (11012424)                481759.68
       3741616.21        0.02800  (11012424)
       481782.49   3741558.89        0.02797  (11012424)                481738.72
       3741497.25        0.02761  (11012424)
       482899.19   3741347.84        0.03503c (15120924)                482905.50
       3741318.60        0.03517c (15120924)
       483094.76   3741256.97        0.03836c (15120924)                483086.06
       3741104.69        0.03835c (15120924)
       483094.04   3740957.48        0.03908b (14012924)                483086.06
       3740568.07        0.03874b (14012924)
       483009.20   3740676.84        0.03832b (14012924)                482810.58
       3740169.82        0.03328b (14012924)
       482698.82   3740092.19        0.03211b (14012924)                482380.08
       3739846.62        0.02933b (14012924)
       482715.43   3739916.28        0.03072b (14012924)                482244.68
       3739706.94        0.02825b (14012924)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:43:48

                     PAGE  69
 *** 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        , VOL10       , VOL11       ,
                  VOL12       , VOL13       , VOL14       ,
                  VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                  VOL20       , VOL21       , VOL22       ,
                  VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                  VOL28       , VOL29       ,  . . .      ,

                                          *** 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
     (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
       482220.64   3739522.63        0.02732b (14012924)                480667.03
       3738428.48        0.02210b (14012924)
       484755.27   3740097.17        0.08368  (16122224)                485120.82
       3740097.17        0.03608  (16122224)
       485335.35   3739977.14        0.03116  (16122224)                485534.79
       3740109.14        0.02669  (16122224)
```

485966.31 3739987.30 0.01847c (14110324) 485941.65
3739925.65 0.01857c (14110324)
485621.34 3740251.52 0.02422 (16122224) 485943.59
3739842.81 0.01842c (14110324)
485942.02 3739796.70 0.01835c (14110324) 485915.82
3740153.53 0.01911c (14110324)
485964.55 3740221.65 0.01869c (14110324) 485690.25
3740369.51 0.02185 (16122224)
485710.31 3740401.31 0.02160c (14110324) 485747.41
3740462.64 0.02142c (14110324)
485787.54 3740530.03 0.02113c (14110324) 485847.36
3740607.26 0.02048c (14110324)
485870.49 3740093.39 0.01941c (14110324) 486164.92
3740527.57 0.01806 (14120124)
486230.27 3740623.12 0.01781 (14120124) 486330.75
3740777.24 0.01653 (14120124)
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486472.35 3741103.24 0.01716 (16122024) 486495.56
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486505.71 3741190.27 0.01693 (16122024) 486565.19
3741320.10 0.01621 (10021524)
486507.16 3741478.93 0.01696 (10021524) 486592.75
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486633.17 3741551.18 0.01652 (10021524) 486717.51
3741579.21 0.01608 (10021524)
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3743217.05 0.01622 (14122224)
487998.80 3743333.76 0.01568 (14122224) 488029.09
3743389.44 0.01530 (14122224)
488021.96 3743408.60 0.01518 (14122224) 483361.96
3743140.42 0.04865 (10121524)
483361.31 3743154.26 0.04865 (10121524) 483360.67
3743170.68 0.04863 (10121524)
483360.99 3743184.20 0.04860 (10121524) 483361.31
3743200.30 0.04854 (10121524)
483361.96 3743217.36 0.04844 (10121524) 483361.96
3743230.88 0.04832 (10121524)
483361.96 3743247.94 0.04812 (10121524) 483361.96
3743261.14 0.04793 (10121524)
483363.57 3743276.91 0.04772 (10121524) 483366.14
3743297.84 0.04738 (10121524)
483342.64 3743400.52 0.04429 (10121524) 482875.35
3743417.98 0.03709 (10121524)
482893.91 3743449.04 0.03718 (10121524) 482802.63
3743396.77 0.03601 (10121524)
482881.79 3743436.54 0.03709 (10121524) 482070.28
3742959.52 0.02807c (15120924)
482359.49 3742961.75 0.02973c (15120924) 488147.65
3744011.06 0.01571 (10010624)
488355.64 3743593.90 0.01367 (14122224) 487855.29
3743109.83 0.01682 (14122224)
487831.34 3743023.47 0.01698 (14122224) 485884.32
3741909.49 0.02472 (14120124)
485820.30 3741815.92 0.02970 (14120124) 485772.69
3741740.41 0.03149 (14120124)
485707.03 3741661.61 0.03163 (14120124) 485649.57
3741582.82 0.03074 (14120124)
485578.98 3741477.76 0.03016 (14120124) 485505.11
3741362.84 0.03211 (16122224)

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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 (M)	CONC	(YYMMDDHH)
485441.09	3741261.06	0.03373	(16122224)	485595.40	3741187.19	0.02673	(16122224)
486002.51	3741875.02	0.02140	(10021524)	485745.13	3741113.07	0.02377	(14120124)
485695.88	3741010.14	0.02374c	(14110324)	485643.35	3740916.57	0.02431c	(14110324)
485574.40	3740788.52	0.02640	(16122224)	485518.59	3740660.47	0.02809	(16122224)
485431.58	3740497.94	0.03031	(16122224)	485357.70	3740369.90	0.03186	(16122224)
485292.04	3740246.77	0.03300	(16122224)	485243.34	3740149.91	0.03367	(16122224)
484700.97	3740109.82	0.12501	(16122224)	484611.23	3740109.82	0.13251	(16122224)
484525.52	3740111.83	0.12708	(16122224)	484424.69	3740110.82	0.10748	(16122224)
484326.88	3740110.82	0.09009c	(15012824)	484236.14	3740110.82	0.05891c	(15012824)
484149.42	3740109.82	0.04997	(10111724)	484067.75	3740108.81	0.04547	(10111724)
483983.05	3740110.82	0.04193	(10111724)	484306.22	3740724.68	0.15628	(10121524)
484307.08	3740668.97	0.15200	(10121524)	484305.37	3740611.54	0.14379	(10121524)
484303.01	3740549.61	0.13523	(10121524)	484307.10	3740473.28	0.14065	(10121524)
484305.46	3740397.74	0.13151	(10121524)	484303.82	3740309.06	0.11577	(10121524)
484302.18	3740233.51	0.10355m	(15123124)	484293.97	3742079.44	0.19690	(10121524)
484293.97	3742181.26	0.19979	(10121524)	484290.68	3742271.59	0.19606	(10121524)
484293.96	3742384.90	0.20336	(10121524)	484289.04	3742490.01	0.19866	(10121524)
484290.68	3742596.76	0.20507	(10121524)	484289.04	3742711.72	0.20839	(10121524)
484272.62	3742813.54	0.18796	(10121524)	484251.27	3742890.73	0.16333	(10121524)

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       483927.74   3743317.73        0.04601c (14010324)                485532.63
       3743420.18        0.06228c (10020924)
       485459.00   3743418.16        0.08275c (10121724)                485383.36
       3743416.14        0.09548c (10121724)
       485290.56   3743410.09        0.11360c (10121724)                485192.73
       3743405.05        0.15165c (10121724)
       485105.99   3743406.06        0.15971c (10121724)                485005.14
       3743407.07        0.16472c (10121724)
       484905.29   3743410.09        0.17081c (10121724)                486942.50
       3743532.82        0.01944  (10010624)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       17:43:48

                     PAGE  71
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                                          *** THE SUMMARY OF HIGHEST 24-HR RESULTS ***


                                    ** CONC OF PM_10    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       0.20839  ON 10121524: AT (  484289.04,  3742711.72,
465.26,   817.00,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       17:43:48

                     PAGE  72
 *** 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            4 Warning Message(s)
 A Total of         2028 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of          978 Calm Hours Identified

 A Total of         1050 Missing Hours Identified (  2.40 Percent)


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

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   ********   WARNING MESSAGES   ********
ME W186    1025       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187    1025       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:      14010101
MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:    2 year gap

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

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/2/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Cons\13265 Cons
PM25\13265 Cons PM25.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_2.5
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Cons PM25.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484610.109  3740632.130      433.870
   LOCATION VOL4         VOLUME     484608.032  3740854.507      438.630
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484429.548  3741072.747      477.830
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
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   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485299.542  3742597.842      431.000
   LOCATION VOL49        VOLUME     485422.827  3742741.720      431.000
   LOCATION VOL50        VOLUME     485422.827  3742529.910      431.000
   LOCATION VOL51        VOLUME     485303.015  3742382.284      431.000
   LOCATION VOL52        VOLUME     485403.571  3742354.470      431.000
   LOCATION VOL53        VOLUME     485161.807  3742202.566      431.000
   LOCATION VOL54        VOLUME     484432.237  3740852.539      472.110
   LOCATION VOL55        VOLUME     484607.676  3740418.220      431.050
   LOCATION VOL56        VOLUME     484611.955  3740259.896      430.000
   LOCATION VOL57        VOLUME     484430.097  3740264.175      431.980
   LOCATION PAREA1       AREAPOLY   484315.993  3742945.944      472.580
** Source Parameters **
   SRCPARAM VOL1         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL2         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL3         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL4         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL5         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL6         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL7         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL8         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL10        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL11        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL12        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL13        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL14        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL15        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL16        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL17        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL18        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL19        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL20        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL21        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL22        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL23        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL24        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL25        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL26        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL27        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL28        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL29        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL30        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL31        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL33        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL34        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL35        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL36        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL37        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL38        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL39        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL40        0.0000715897     5.000    50.305     1.400
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   SRCPARAM VOL41        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL42        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL43        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL44        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL45        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL46        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL47        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL48        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL49        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL50        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL51        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL52        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL53        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL54        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL55        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL56        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL57        0.0000715897     5.000    50.305     1.400
   SRCPARAM PAREA1       1.4259E-08     0.000        14     1.000
   AREAVERT PAREA1       484315.993 3742945.944 484390.561 3742982.319
   AREAVERT PAREA1       484443.305 3743015.056 484514.236 3743064.162
   AREAVERT PAREA1       484641.549 3743184.200 484810.693 3743349.706
   AREAVERT PAREA1       485263.561 3743362.437 485267.199 3743284.231
   AREAVERT PAREA1       485527.280 3743284.231 485529.099 3742247.544
   AREAVERT PAREA1       485323.580 3742247.544 484723.393 3741336.350
   AREAVERT PAREA1       484725.211 3740150.525 484321.449 3740152.343
   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
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   EMISFACT VOL3          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4          HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4          HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5          HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5          HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6          HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7          HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7          HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   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
** 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 VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        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 "13265 Cons PM25.rou"
RE FINISHED
**
**********************************
** AERMOD Meteorology Pathway
**********************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**********************************
** AERMOD Output Pathway
**********************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "13265 CONS PM25.AD\24H1GALL.PLT" 31
   SUMMFILE "13265 Cons PM25.sum"
OU FINISHED
**
**********************************
** Project Parameters
**********************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/2/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Cons\13265 Cons
PM25\13265 Cons PM25.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_2.5
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Cons PM25.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484610.109  3740632.130      433.870
   LOCATION VOL4         VOLUME     484608.032  3740854.507      438.630
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484429.548  3741072.747      477.830
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
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   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485299.542  3742597.842      431.000
   LOCATION VOL49        VOLUME     485422.827  3742741.720      431.000
   LOCATION VOL50        VOLUME     485422.827  3742529.910      431.000
   LOCATION VOL51        VOLUME     485303.015  3742382.284      431.000
   LOCATION VOL52        VOLUME     485403.571  3742354.470      431.000
   LOCATION VOL53        VOLUME     485161.807  3742202.566      431.000
   LOCATION VOL54        VOLUME     484432.237  3740852.539      472.110
   LOCATION VOL55        VOLUME     484607.676  3740418.220      431.050
   LOCATION VOL56        VOLUME     484611.955  3740259.896      430.000
   LOCATION VOL57        VOLUME     484430.097  3740264.175      431.980
   LOCATION PAREA1       AREAPOLY   484315.993  3742945.944      472.580
** Source Parameters **
   SRCPARAM VOL1         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL2         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL3         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL4         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL5         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL6         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL7         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL8         0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL10        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL11        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL12        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL13        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL14        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL15        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL16        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL17        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL18        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL19        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL20        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL21        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL22        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL23        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL24        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL25        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL26        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL27        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL28        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL29        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL30        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL31        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL33        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL34        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL35        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL36        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL37        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL38        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL39        0.0000715897     5.000    50.305     1.400
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   SRCPARAM VOL40        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL41        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL42        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL43        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL44        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL45        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL46        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL47        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL48        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL49        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL50        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL51        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL52        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL53        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL54        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL55        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL56        0.0000715897     5.000    50.305     1.400
   SRCPARAM VOL57        0.0000715897     5.000    50.305     1.400
   SRCPARAM PAREA1       1.4259E-08     0.000        14     1.000
   AREAVERT PAREA1       484315.993 3742945.944 484390.561 3742982.319
   AREAVERT PAREA1       484443.305 3743015.056 484514.236 3743064.162
   AREAVERT PAREA1       484641.549 3743184.200 484810.693 3743349.706
   AREAVERT PAREA1       485263.561 3743362.437 485267.199 3743284.231
   AREAVERT PAREA1       485527.280 3743284.231 485529.099 3742247.544
   AREAVERT PAREA1       485323.580 3742247.544 484723.393 3741336.350
   AREAVERT PAREA1       484725.211 3740150.525 484321.449 3740152.343
   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:
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   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL5         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL5         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL6         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL6         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL7         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL7         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL8         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL11        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL11        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL12        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL12        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL21        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL21        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL22        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL22        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL23        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL23        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL24        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL24        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL25        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL25        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL26        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL26        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL27        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL27        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL28        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL28        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL29        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL29        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL30        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL30        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL31        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL31        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL33        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL33        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL34        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL34        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL35        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL35        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
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   EMISFACT VOL36        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL36        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL37        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL37        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL38        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL38        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL39        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL39        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL40        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL40        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL41        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL41        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL42        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL42        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL43        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL43        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL44        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL44        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** WeekDays:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL45        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL45        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL46        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL46        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL47        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL47        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   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
** 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 VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL49        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
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   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL49        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL50        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL50        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL51        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL51        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL52        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL52        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL53        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL53        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL54        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL54        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL55        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL55        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL56        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL56        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL57        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL57        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
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   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 "13265 Cons PM25.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "13265 CONS PM25.AD\24H1GALL.PLT" 31
   SUMMFILE "13265 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   ********
```

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 ME W186    1025       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187    1025       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       17:51:39

                     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    56 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:     56 Source(s);       1 Source Group(s); and     200 Receptor(s)

                with:      0 POINT(s), including
                           0 POINTCAP(s) and      0 POINTHOR(s)
                 and:     55 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) = 442.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

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

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

**Detailed Error/Message File: 13265 Cons
PM25.err
**File for Summary of Results: 13265 Cons
PM25.sum

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	
VOL1	0	0.71590E-04	484430.8	3740413.0	434.6	5.00	50.30	1.40	YES HRDOW
VOL2	0	0.71590E-04	484431.8	3740634.3	442.9	5.00	50.30	1.40	YES HRDOW
VOL3	0	0.71590E-04	484610.1	3740632.1	433.9	5.00	50.30	1.40	YES HRDOW
VOL4	0	0.71590E-04	484608.0	3740854.5	438.6	5.00	50.30	1.40	YES HRDOW
VOL5	0	0.71590E-04	484604.9	3741070.8	448.3	5.00	50.30	1.40	YES HRDOW
VOL6	0	0.71590E-04	484429.5	3741072.7	477.8	5.00	50.30	1.40	YES HRDOW
VOL7	0	0.71590E-04	484433.8	3741291.0	468.5	5.00	50.30	1.40	YES HRDOW
VOL8	0	0.71590E-04	484618.6	3741291.0	453.1	5.00	50.30	1.40	YES HRDOW
VOL10	0	0.71590E-04	484435.7	3741505.4	465.8	5.00	50.30	1.40	YES HRDOW
VOL11	0	0.71590E-04	484626.5	3741507.4	449.9	5.00	50.30	1.40	YES HRDOW
VOL12	0	0.71590E-04	484733.4	3741510.5	442.6	5.00	50.30	1.40	YES HRDOW
VOL13	0	0.71590E-04	484433.8	3741727.6	465.1	5.00	50.30	1.40	YES HRDOW
VOL14	0	0.71590E-04	484652.0	3741727.6	445.5	5.00	50.30	1.40	

YES HRDOW								
VOL15	0	0.71590E-04	484870.3	3741729.6	436.0	5.00	50.30	1.40
YES HRDOW								
VOL16	0	0.71590E-04	484435.7	3741947.8	459.9	5.00	50.30	1.40
YES HRDOW								
VOL17	0	0.71590E-04	484607.2	3741945.9	448.5	5.00	50.30	1.40
YES HRDOW								
VOL18	0	0.71590E-04	484772.0	3741947.8	440.5	5.00	50.30	1.40
YES HRDOW								
VOL19	0	0.71590E-04	484970.2	3741949.8	431.7	5.00	50.30	1.40
YES HRDOW								
VOL20	0	0.71590E-04	484435.7	3742166.1	456.5	5.00	50.30	1.40
YES HRDOW								
VOL21	0	0.71590E-04	484641.8	3742166.1	447.2	5.00	50.30	1.40
YES HRDOW								
VOL22	0	0.71590E-04	484841.6	3742164.5	439.2	5.00	50.30	1.40
YES HRDOW								
VOL23	0	0.71590E-04	485044.6	3742165.3	431.2	5.00	50.30	1.40
YES HRDOW								
VOL24	0	0.71590E-04	484436.5	3742387.3	456.4	5.00	50.30	1.40
YES HRDOW								
VOL25	0	0.71590E-04	484650.5	3742382.3	447.5	5.00	50.30	1.40
YES HRDOW								
VOL26	0	0.71590E-04	484867.8	3742382.3	439.7	5.00	50.30	1.40
YES HRDOW								
VOL27	0	0.71590E-04	485083.4	3742384.0	431.9	5.00	50.30	1.40
YES HRDOW								
VOL28	0	0.71590E-04	484436.5	3742601.3	456.4	5.00	50.30	1.40
YES HRDOW								
VOL29	0	0.71590E-04	484653.8	3742597.9	449.2	5.00	50.30	1.40
YES HRDOW								
VOL30	0	0.71590E-04	484869.4	3742597.9	442.0	5.00	50.30	1.40
YES HRDOW								
VOL31	0	0.71590E-04	485086.7	3742599.6	434.8	5.00	50.30	1.40
YES HRDOW								
VOL33	0	0.71590E-04	484438.2	3742815.2	461.4	5.00	50.30	1.40
YES HRDOW								
VOL34	0	0.71590E-04	484653.8	3742813.5	453.1	5.00	50.30	1.40
YES HRDOW								
VOL35	0	0.71590E-04	484871.1	3742813.5	444.9	5.00	50.30	1.40
YES HRDOW								
VOL36	0	0.71590E-04	485086.7	3742815.2	439.0	5.00	50.30	1.40
YES HRDOW								
VOL37	0	0.71590E-04	485297.3	3742815.2	433.7	5.00	50.30	1.40
YES HRDOW								
VOL38	0	0.71590E-04	484520.1	3742913.8	459.9	5.00	50.30	1.40
YES HRDOW								
VOL39	0	0.71590E-04	484657.2	3743029.2	456.3	5.00	50.30	1.40
YES HRDOW								
VOL40	0	0.71590E-04	484869.4	3743029.2	448.1	5.00	50.30	1.40
YES HRDOW								
VOL41	0	0.71590E-04	485081.7	3743032.5	443.0	5.00	50.30	1.40
YES HRDOW								
VOL42	0	0.71590E-04	485299.0	3743034.2	438.7	5.00	50.30	1.40
YES HRDOW								

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART. SCALAR VARY CATS. BY	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)
VOL43	0	0.71590E-04	485424.4	3742957.3	433.2	5.00	50.30	1.40
YES	HRDOW							
VOL44	0	0.71590E-04	485422.7	3743172.9	437.1	5.00	50.30	1.40
YES	HRDOW							
VOL45	0	0.71590E-04	484844.4	3743194.6	451.9	5.00	50.30	1.40
YES	HRDOW							
VOL46	0	0.71590E-04	485065.0	3743244.8	447.2	5.00	50.30	1.40
YES	HRDOW							
VOL47	0	0.71590E-04	485208.7	3743248.1	443.7	5.00	50.30	1.40
YES	HRDOW							
VOL48	0	0.71590E-04	485299.5	3742597.8	431.0	5.00	50.30	1.40
YES	HRDOW							
VOL49	0	0.71590E-04	485422.8	3742741.7	431.0	5.00	50.30	1.40
YES	HRDOW							
VOL50	0	0.71590E-04	485422.8	3742529.9	431.0	5.00	50.30	1.40
YES	HRDOW							
VOL51	0	0.71590E-04	485303.0	3742382.3	431.0	5.00	50.30	1.40
YES	HRDOW							
VOL52	0	0.71590E-04	485403.6	3742354.5	431.0	5.00	50.30	1.40
YES	HRDOW							
VOL53	0	0.71590E-04	485161.8	3742202.6	431.0	5.00	50.30	1.40
YES	HRDOW							
VOL54	0	0.71590E-04	484432.2	3740852.5	472.1	5.00	50.30	1.40
YES	HRDOW							
VOL55	0	0.71590E-04	484607.7	3740418.2	431.1	5.00	50.30	1.40
YES	HRDOW							
VOL56	0	0.71590E-04	484612.0	3740259.9	430.0	5.00	50.30	1.40
YES	HRDOW							
VOL57	0	0.71590E-04	484430.1	3740264.2	432.0	5.00	50.30	1.40
YES	HRDOW							

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

*** AREAPOLY SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART. SCALAR VARY CATS. BY	EMISSION RATE (GRAMS/SEC /METER**2)	LOCATION OF AREA X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	NUMBER OF VERTS.	INIT. SZ (METERS)
PAREA1	0	0.14259E-07	484316.0	3742945.9	472.6	0.00	14	1.00
YES	HRDOW							

*** 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 ,
	VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 ,
	VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 , VOL25 ,
	VOL26 , VOL27 , VOL28 , VOL29 , VOL30 , VOL31 , VOL33 , VOL34 ,
	VOL35 , VOL36 , VOL37 , VOL38 , VOL39 , VOL40 , VOL41 , VOL42 ,
	VOL43 , VOL44 , VOL45 , VOL46 , VOL47 , VOL48 , VOL49 , VOL50 ,
	VOL51 , VOL52 , VOL53 , VOL54 , VOL55 , VOL56 , VOL57 , PAREA1 ,

*** 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 ,
		VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 ,
		VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 , VOL25 ,
		VOL26 , VOL27 , VOL28 , VOL29 , VOL30 , VOL31 , VOL33 , VOL34 ,
		VOL35 , VOL36 , VOL37 , VOL38 , VOL39 , VOL40 , VOL41 , VOL42 ,
		VOL43 , VOL44 , VOL45 , VOL46 , VOL47 , VOL48 , VOL49 , VOL50 ,
		VOL51 , VOL52 , VOL53 , VOL54 , VOL55 , VOL56 , VOL57 , PAREA1 ,

* 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

* 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					

DAY OF WEEK = SUNDAY

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

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

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

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

SOURCE ID = VOL3 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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

SOURCE ID = VOL4 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

```
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
␌ *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        17:51:39

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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
␌ *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        17:51:39

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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
```

*** 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
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	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 = 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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:51:39

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:51:39

                      PAGE  17
 *** 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
```

DAY OF WEEK = SUNDAY

* 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

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

* 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

```
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       17:51:39

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       17:51:39

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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

*** 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 ***
 ***                                                                          ***        17:51:39

                     PAGE  23
 *** 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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***       05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        17:51:39

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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
```

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

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

SOURCE ID = VOL21 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL22 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL23 ; SOURCE TYPE = VOLUME :

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

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

DAY OF WEEK = WEEKDAY

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

9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01

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

DAY OF WEEK = SATURDAY

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

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

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

DAY OF WEEK = SUNDAY

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

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

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

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

SOURCE ID = 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

* 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

* 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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = 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

* 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

DAY OF WEEK = WEEKDAY

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

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    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
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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
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+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   :
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```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:51:39

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:51:39
```

*** 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\ *** 05/02/23
*** AERMET - VERSION 16216 ***
*** *** 17:51:39

*** 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:51:39

                      PAGE  41
 *** 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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:51:39

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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

FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\ *** 05/02/23
*** AERMET - VERSION 16216 ***
*** *** 17:51:39

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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

FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\ *** 05/02/23
*** AERMET - VERSION 16216 ***
*** *** 17:51:39

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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

* 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

* 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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:51:39

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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
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
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* 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL45 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

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

SOURCE ID = VOL46 ; SOURCE TYPE = VOLUME :

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

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

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

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

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

SOURCE ID = VOL47 ; SOURCE TYPE = VOLUME :

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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = 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

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

SOURCE ID = VOL49 ; SOURCE TYPE = VOLUME :

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

```
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                               DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***       05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        17:51:39

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

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

 SOURCE ID = VOL50        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                               DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***       05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        17:51:39

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

SOURCE ID = VOL51 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = VOL52 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = VOL53 ; SOURCE TYPE = VOLUME :

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

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

SOURCE ID = VOL54 ; SOURCE TYPE = VOLUME :

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

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL55 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL56 ; 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

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    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        17:51:39

                      PAGE  61
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

 SOURCE ID = VOL57        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        17:51:39

                      PAGE  62
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                   * SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK
                   (HRDOW) *
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 SOURCE ID = PAREA1       ; SOURCE TYPE = AREAPOLY :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
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                                               *** DISCRETE CARTESIAN RECEPTORS ***
                                             (X-COORD, Y-COORD, ZELEV, ZHILL, ZFLAG)
                                                              (METERS)

     ( 483662.3, 3742990.9,     490.5,     817.0,       2.0);         ( 483660.9, 3743037.8,
     489.1,     817.0,       2.0);
     ( 483632.7, 3742966.8,     490.2,     817.0,       2.0);         ( 483627.2, 3742954.5,
     491.7,     817.0,       2.0);
     ( 483594.9, 3742937.7,     491.3,     817.0,       2.0);         ( 483590.4, 3742925.4,
     492.1,     817.0,       2.0);
     ( 483326.9, 3742783.9,     488.8,     765.0,       2.0);         ( 483322.8, 3742801.6,
     486.9,     765.0,       2.0);
     ( 483251.4, 3742776.6,     488.3,     765.0,       2.0);         ( 483477.5, 3742955.4,
     479.9,     817.0,       2.0);
     ( 483360.2, 3742974.4,     474.4,     817.0,       2.0);         ( 483306.1, 3742974.8,
     473.3,     817.0,       2.0);
     ( 483361.9, 3743014.1,     473.1,     817.0,       2.0);         ( 483093.6, 3742973.4,
     467.5,     765.0,       2.0);
     ( 483361.3, 3743031.5,     472.7,     817.0,       2.0);         ( 483360.0, 3743046.3,
     472.7,     817.0,       2.0);
     ( 483359.3, 3743062.7,     472.4,     817.0,       2.0);         ( 483358.8, 3743077.8,
     471.9,     817.0,       2.0);
     ( 483358.6, 3743093.1,     471.4,     817.0,       2.0);         ( 483358.6, 3743108.2,
     470.9,     817.0,       2.0);
     ( 483359.1, 3743122.8,     470.6,     817.0,       2.0);         ( 483219.9, 3742777.5,
     488.1,     765.0,       2.0);
     ( 483188.2, 3742774.0,     488.1,     765.0,       2.0);         ( 483154.5, 3742774.0,
     486.2,     765.0,       2.0);
     ( 487352.8, 3742161.7,     438.6,     817.0,       2.0);         ( 487594.1, 3742883.9,
     438.0,     817.0,       2.0);
     ( 487740.6, 3742878.4,     440.0,     817.0,       2.0);         ( 487781.3, 3742945.8,
     440.0,     817.0,       2.0);
```

(487901.0, 3742678.9, 444.0, 817.0, 2.0); (487832.0, 3742515.9, 444.0, 817.0, 2.0);
(487713.5, 3742284.6, 443.8, 817.0, 2.0); (487751.0, 3742334.2, 444.0, 817.0, 2.0);
(487773.1, 3742367.1, 444.0, 817.0, 2.0); (487208.3, 3741774.0, 442.7, 442.7, 2.0);
(487676.3, 3741967.0, 444.0, 444.0, 2.0); (487659.2, 3741865.1, 444.0, 444.0, 2.0);
(487452.2, 3741715.0, 444.0, 444.0, 2.0); (487493.0, 3741728.4, 444.1, 444.1, 2.0);
(487419.5, 3741700.0, 444.2, 444.2, 2.0); (486863.5, 3741608.5, 442.1, 442.1, 2.0);
(483305.4, 3742774.7, 489.4, 765.0, 2.0); (483252.4, 3742826.8, 480.7, 765.0, 2.0);
(483248.0, 3742883.9, 476.5, 765.0, 2.0); (483271.0, 3742977.4, 472.3, 817.0, 2.0);
(483236.4, 3742974.4, 471.3, 817.0, 2.0); (483204.2, 3742969.9, 470.4, 816.0, 2.0);
(483020.3, 3742969.9, 466.9, 765.0, 2.0); (482990.5, 3742969.4, 466.2, 765.0, 2.0);
(482948.5, 3742964.6, 466.0, 765.0, 2.0); (482511.1, 3742964.1, 459.5, 765.0, 2.0);
(482169.1, 3742722.0, 464.6, 765.0, 2.0); (482205.4, 3742635.3, 467.8, 765.0, 2.0);
(482226.6, 3742575.1, 467.5, 765.0, 2.0); (482236.8, 3742526.7, 467.2, 765.0, 2.0);
(482300.1, 3742439.2, 469.5, 765.0, 2.0); (482300.1, 3742368.1, 466.4, 765.0, 2.0);
(482300.1, 3742329.5, 463.9, 765.0, 2.0); (482300.1, 3742219.7, 461.8, 765.0, 2.0);
(482300.8, 3742167.1, 460.9, 765.0, 2.0); (482291.7, 3742092.5, 458.3, 765.0, 2.0);
(482290.2, 3741997.9, 458.0, 765.0, 2.0); (482287.9, 3741884.7, 454.9, 765.0, 2.0);
(482291.0, 3741799.2, 451.2, 765.0, 2.0); (482896.8, 3741725.4, 464.6, 765.0, 2.0);
(482014.2, 3741605.1, 443.9, 765.0, 2.0); (481759.7, 3741616.2, 440.3, 765.0, 2.0);
(481782.5, 3741558.9, 441.0, 765.0, 2.0); (481738.7, 3741497.2, 440.0, 765.0, 2.0);
(482899.2, 3741347.8, 456.0, 765.0, 2.0); (482905.5, 3741318.6, 456.0, 765.0, 2.0);
(483094.8, 3741257.0, 460.7, 765.0, 2.0); (483086.1, 3741104.7, 456.5, 765.0, 2.0);
(483094.0, 3740957.5, 454.9, 765.0, 2.0); (483086.1, 3740568.1, 451.5, 585.0, 2.0);
(483009.2, 3740676.8, 450.0, 585.0, 2.0); (482810.6, 3740169.8, 439.9, 439.9, 2.0);
(482698.8, 3740092.2, 437.7, 437.7, 2.0); (482380.1, 3739846.6, 434.0, 434.0, 2.0);
(482715.4, 3739916.3, 435.3, 435.3, 2.0); (482244.7, 3739706.9, 432.7, 432.7, 2.0);
(482220.6, 3739522.6, 432.0, 432.0, 2.0); (480667.0, 3738428.5, 432.0, 432.0, 2.0);
(484755.3, 3740097.2, 430.0, 533.0, 2.0); (485120.8, 3740097.2, 432.0, 432.0, 2.0);
(485335.3, 3739977.1, 433.0, 433.0, 2.0); (485534.8, 3740109.1, 434.0, 434.0, 2.0);
(485966.3, 3739987.3, 443.8, 800.0, 2.0); (485941.6, 3739925.6, 443.7, 800.0, 2.0);
(485621.3, 3740251.5, 434.5, 434.5, 2.0); (485943.6, 3739842.8, 444.1, 800.0, 2.0);

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

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

(485942.0, 3739796.7, 444.7, 811.0, 2.0); (485915.8, 3740153.5, 439.8, 800.0, 2.0);
(485964.5, 3740221.6, 438.5, 800.0, 2.0); (485690.2, 3740369.5, 434.3, 434.3, 2.0);
(485710.3, 3740401.3, 434.5, 434.5, 2.0); (485747.4, 3740462.6, 434.1, 434.1, 2.0);
(485787.5, 3740530.0, 434.0, 434.0, 2.0); (485847.4, 3740607.3, 434.0, 434.0, 2.0);
(485870.5, 3740093.4, 439.8, 800.0, 2.0); (486164.9, 3740527.6, 438.0, 800.0, 2.0);
(486230.3, 3740623.1, 438.0, 800.0, 2.0); (486330.8, 3740777.2, 439.7, 800.0, 2.0);
(486099.6, 3740920.9, 436.0, 436.0, 2.0); (486230.6, 3740573.4, 438.4, 800.0, 2.0);
(486472.3, 3741103.2, 440.0, 440.0, 2.0); (486495.6, 3741156.2, 440.1, 440.1, 2.0);
(486505.7, 3741190.3, 440.0, 440.0, 2.0); (486565.2, 3741320.1, 439.0, 439.0, 2.0);
(486507.2, 3741478.9, 437.6, 765.0, 2.0); (486592.8, 3741437.6, 438.4, 438.4, 2.0);
(486467.5, 3741620.8, 436.2, 817.0, 2.0); (486455.4, 3741644.5, 436.0, 817.0, 2.0);
(486633.2, 3741551.2, 439.0, 765.0, 2.0); (486717.5, 3741579.2, 440.6, 440.6, 2.0);
(486897.7, 3741647.7, 442.0, 442.0, 2.0); (486752.2, 3741648.3, 440.7, 440.7, 2.0);
(487191.5, 3741622.8, 444.8, 444.8, 2.0); (487025.9, 3741639.9, 444.0, 444.0, 2.0);
(487133.3, 3741576.5, 445.3, 445.3, 2.0); (488012.2, 3743217.0, 442.0, 817.0, 2.0);
(487998.8, 3743333.8, 441.3, 817.0, 2.0); (488029.1, 3743389.4, 441.3, 817.0, 2.0);
(488022.0, 3743408.6, 441.0, 817.0, 2.0); (483362.0, 3743140.4, 470.7, 817.0, 2.0);
(483361.3, 3743154.3, 470.4, 817.0, 2.0); (483360.7, 3743170.7, 469.9, 817.0, 2.0);
(483361.0, 3743184.2, 469.4, 817.0, 2.0); (483361.3, 3743200.3, 468.9, 817.0, 2.0);
(483362.0, 3743217.4, 468.7, 817.0, 2.0); (483362.0, 3743230.9, 468.7, 817.0, 2.0);
(483362.0, 3743247.9, 468.3, 817.0, 2.0); (483362.0, 3743261.1, 467.9, 817.0, 2.0);
(483363.6, 3743276.9, 467.8, 817.0, 2.0); (483366.1, 3743297.8, 467.9, 817.0, 2.0);
(483342.6, 3743400.5, 466.2, 817.0, 2.0); (482875.3, 3743418.0, 454.0, 817.0, 2.0);
(482893.9, 3743449.0, 454.1, 817.0, 2.0); (482802.6, 3743396.8, 453.1, 817.0, 2.0);
(482881.8, 3743436.5, 454.0, 817.0, 2.0); (482070.3, 3742959.5, 446.7, 765.0, 2.0);
(482359.5, 3742961.8, 454.5, 765.0, 2.0); (488147.6, 3744011.1, 437.0, 817.0, 2.0);
(488355.6, 3743593.9, 444.0, 817.0, 2.0); (487855.3, 3743109.8, 441.0, 817.0, 2.0);
(487831.3, 3743023.5, 440.7, 817.0, 2.0); (485884.3, 3741909.5, 431.0, 817.0, 2.0);
(485820.3, 3741815.9, 431.0, 817.0, 2.0); (485772.7, 3741740.4, 431.0, 817.0, 2.0);

(485707.0, 3741661.6, 431.0, 817.0, 2.0); (485649.6, 3741582.8, 431.0, 817.0, 2.0);
(485579.0, 3741477.8, 431.0, 817.0, 2.0); (485505.1, 3741362.8, 431.0, 765.0, 2.0);
(485441.1, 3741261.1, 431.0, 765.0, 2.0); (485595.4, 3741187.2, 431.1, 765.0, 2.0);
(486002.5, 3741875.0, 432.0, 817.0, 2.0); (485745.1, 3741113.1, 432.0, 765.0, 2.0);
(485695.9, 3741010.1, 432.0, 765.0, 2.0); (485643.3, 3740916.6, 432.0, 765.0, 2.0);
(485574.4, 3740788.5, 432.0, 765.0, 2.0); (485518.6, 3740660.5, 433.0, 765.0, 2.0);
(485431.6, 3740497.9, 433.0, 433.0, 2.0); (485357.7, 3740369.9, 432.0, 432.0, 2.0);
(485292.0, 3740246.8, 432.0, 432.0, 2.0); (485243.3, 3740149.9, 432.0, 432.0, 2.0);
(484701.0, 3740109.8, 430.0, 533.0, 2.0); (484611.2, 3740109.8, 430.0, 533.0, 2.0);
(484525.5, 3740111.8, 430.0, 533.0, 2.0); (484424.7, 3740110.8, 430.0, 585.0, 2.0);
(484326.9, 3740110.8, 431.1, 585.0, 2.0); (484236.1, 3740110.8, 432.0, 585.0, 2.0);
(484149.4, 3740109.8, 432.8, 585.0, 2.0); (484067.8, 3740108.8, 432.9, 585.0, 2.0);
(483983.0, 3740110.8, 433.9, 585.0, 2.0); (484306.2, 3740724.7, 457.8, 765.0, 2.0);
(484307.1, 3740669.0, 451.3, 765.0, 2.0); (484305.4, 3740611.5, 447.8, 765.0, 2.0);
(484303.0, 3740549.6, 444.8, 765.0, 2.0); (484307.1, 3740473.3, 439.6, 765.0, 2.0);
(484305.5, 3740397.7, 437.2, 765.0, 2.0); (484303.8, 3740309.1, 434.4, 585.0, 2.0);

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

(484302.2, 3740233.5, 432.9, 585.0, 2.0); (484294.0, 3742079.4, 469.2, 765.0, 2.0);
(484294.0, 3742181.3, 466.6, 817.0, 2.0); (484290.7, 3742271.6, 465.6, 817.0, 2.0);
(484294.0, 3742384.9, 463.4, 817.0, 2.0); (484289.0, 3742490.0, 463.7, 817.0, 2.0);
(484290.7, 3742596.8, 463.5, 817.0, 2.0); (484289.0, 3742711.7, 465.3, 817.0, 2.0);
(484272.6, 3742813.5, 468.8, 817.0, 2.0); (484251.3, 3742890.7, 474.4, 817.0, 2.0);
(483927.7, 3743317.7, 622.8, 765.0, 2.0); (485532.6, 3743420.2, 437.9, 817.0, 2.0);
(485459.0, 3743418.2, 440.4, 817.0, 2.0); (485383.4, 3743416.1, 442.9, 817.0, 2.0);
(485290.6, 3743410.1, 445.0, 817.0, 2.0); (485192.7, 3743405.0, 447.0, 817.0, 2.0);
(485106.0, 3743406.1, 450.8, 817.0, 2.0); (485005.1, 3743407.1, 451.2, 817.0, 2.0);
(484905.3, 3743410.1, 456.4, 817.0, 2.0); (486942.5, 3743532.8, 432.0, 817.0, 2.0);

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

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

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

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

(METERS/SEC)

1.54,   3.09,   5.14,   8.23, 10.80,

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name:
UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT

```
 10 01 01   1 01   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
335.    9.1  282.5    5.5
 10 01 01   1 02   -3.9  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
142.    9.1  280.9    5.5
 10 01 01   1 03   -3.9  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
324.    9.1  280.4    5.5
 10 01 01   1 04   -1.3  0.064 -9.000 -9.000 -999.   39.     18.3  0.19   0.61   1.00    0.40
294.    9.1  278.8    5.5
 10 01 01   1 05   -3.9  0.088 -9.000 -9.000 -999.   62.     15.0  0.19   0.61   1.00    0.90
205.    9.1  278.1    5.5
 10 01 01   1 06   -1.3  0.065 -9.000 -9.000 -999.   39.     18.3  0.19   0.61   1.00    0.40
3.    9.1  277.0    5.5
 10 01 01   1 07   -8.0  0.125 -9.000 -9.000 -999.  106.     21.0  0.19   0.61   1.00    1.30
99.    9.1  277.0    5.5
 10 01 01   1 08   -3.3  0.086 -9.000 -9.000 -999.   61.     16.8  0.19   0.61   0.54    0.90
319.    9.1  278.8    5.5
 10 01 01   1 09   20.1  0.128  0.307  0.010   49.  110.     -9.0  0.19   0.61   0.33    0.90
239.    9.1  284.2    5.5
 10 01 01   1 10   56.7  0.087  0.560  0.010  107.   62.     -1.0  0.19   0.61   0.26    0.40
188.    9.1  289.2    5.5
 10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61   0.23    2.70
310.    9.1  290.9    5.5
 10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61   0.22    2.20
357.    9.1  293.1    5.5
 10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61   0.22    2.20
356.    9.1  293.8    5.5
 10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61   0.23    2.20
50.    9.1  294.2    5.5
 10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61   0.27    1.80
53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:51:39

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

                           *** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
483662.28	3742990.90	0.01647	(10121524)	483660.92	3743037.77	0.01659	(10121524)
483632.71	3742966.78	0.01598	(10121524)	483627.25	3742954.49	0.01583	(10121524)
483594.94	3742937.66	0.01534	(10121524)	483590.39	3742925.37	0.01521	(10121524)
483326.92	3742783.86	0.01188	(10121524)	483322.83	3742801.60	0.01193	(10121524)
483251.38	3742776.57	0.01126	(10121524)	483477.54	3742955.40	0.01406	(10121524)
483360.24	3742974.39	0.01298	(10121524)	483306.13	3742974.79	0.01251	(10121524)
483361.93	3743014.11	0.01312	(10121524)	483093.56	3742973.36	0.01088	(10121524)
483361.29	3743031.51	0.01316	(10121524)	483359.96	3743046.35	0.01319	(10121524)
483359.27	3743062.67	0.01322	(10121524)	483358.76	3743077.79	0.01325	(10121524)
483358.58	3743093.09	0.01328	(10121524)	483358.58	3743108.21	0.01330	(10121524)
483359.10	3743122.81	0.01332	(10121524)	483219.94	3742777.51	0.01103	(10121524)
483188.19	3742774.03	0.01080	(10121524)	483154.49	3742774.03	0.01057	(10121524)
487352.85	3742161.74	0.00361	(14122224)	487594.10	3742883.93	0.00473	(14122224)
487740.59	3742878.41	0.00462	(14122224)	487781.26	3742945.81	0.00463	(14122224)
487900.95	3742678.93	0.00431	(14122224)	487832.01	3742515.86	0.00407	(14122224)
487713.48	3742284.61	0.00365	(14122224)	487751.05	3742334.19	0.00374	(14122224)
487773.13	3742367.11	0.00380	(14122224)	487208.30	3741773.97	0.00376	(10021524)
487676.34	3741966.97	0.00340	(10021524)	487659.19	3741865.11	0.00347	(10021524)
487452.24	3741714.99	0.00358	(10021524)	487492.98	3741728.39	0.00356	(10021524)
487419.53	3741699.98	0.00360	(10021524)	486863.50	3741608.53	0.00419	(10021524)
483305.42	3742774.69	0.01166	(10121524)	483252.39	3742826.78	0.01150	(10121524)
483248.01	3742883.93	0.01170	(10121524)	483271.02	3742977.45	0.01222	(10121524)
483236.43	3742974.42	0.01194	(10121524)	483204.18	3742969.89	0.01167	(10121524)
483020.32	3742969.89	0.01040	(10121524)	482990.46	3742969.37	0.01022	(10121524)

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       482948.55   3742964.65        0.00996  (10121524)                482511.10
       3742964.13        0.00834c (15120924)
       482169.09   3742721.99        0.00813c (15120924)                482205.43
       3742635.31        0.00825c (15120924)
       482226.62   3742575.13        0.00829c (15120924)                482236.84
       3742526.68        0.00830c (15120924)
       482300.06   3742439.24        0.00841c (15120924)                482300.06
       3742368.08        0.00835c (15120924)
       482300.06   3742329.47        0.00831c (15120924)                482300.06
       3742219.70        0.00822c (15120924)
       482300.81   3742167.09        0.00818c (15120924)                482291.73
       3742092.52        0.00809c (15120924)
       482290.21   3741997.89        0.00820  (11012424)                482287.94
       3741884.71        0.00829  (11012424)
       482290.97   3741799.17        0.00828  (11012424)                482896.84
       3741725.43        0.00947c (15120924)
       482014.24   3741605.12        0.00781  (11012424)                481759.68
       3741616.21        0.00753  (11012424)
       481782.49   3741558.89        0.00752  (11012424)                481738.72
       3741497.25        0.00743  (11012424)
       482899.19   3741347.84        0.00953c (15120924)                482905.50
       3741318.60        0.00957c (15120924)
       483094.76   3741256.97        0.01044c (15120924)                483086.06
       3741104.69        0.01043c (15120924)
       483094.04   3740957.48        0.01062b (14012924)                483086.06
       3740568.07        0.01053b (14012924)
       483009.20   3740676.84        0.01041b (14012924)                482810.58
       3740169.82        0.00904b (14012924)
       482698.82   3740092.19        0.00872b (14012924)                482380.08
       3739846.62        0.00795b (14012924)
       482715.43   3739916.28        0.00835b (14012924)                482244.68
       3739706.94        0.00765b (14012924)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       17:51:39

                     PAGE  69
 *** 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        , VOL10       , VOL11       ,
                  VOL12       , VOL13       , VOL14       ,
                  VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                  VOL20       , VOL21       , VOL22       ,
                  VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                  VOL28       , VOL29       ,  . . .      ,

                                          *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
       482220.64   3739522.63        0.00740b (14012924)                480667.03
       3738428.48        0.00595b (14012924)
       484755.27   3740097.17        0.02300  (16122224)                485120.82
       3740097.17        0.00994  (16122224)
       485335.35   3739977.14        0.00857  (16122224)                485534.79
       3740109.14        0.00734  (16122224)
```

485966.31 3739987.30 0.00505c (14110324) 485941.65
3739925.65 0.00508c (14110324)
485621.34 3740251.52 0.00667 (16122224) 485943.59
3739842.81 0.00503c (14110324)
485942.02 3739796.70 0.00502c (14110324) 485915.82
3740153.53 0.00524c (14110324)
485964.55 3740221.65 0.00512c (14110324) 485690.25
3740369.51 0.00602 (16122224)
485710.31 3740401.31 0.00594c (14110324) 485747.41
3740462.64 0.00589c (14110324)
485787.54 3740530.03 0.00581c (14110324) 485847.36
3740607.26 0.00563c (14110324)
485870.49 3740093.39 0.00532c (14110324) 486164.92
3740527.57 0.00509 (14120124)
486230.27 3740623.12 0.00502 (14120124) 486330.75
3740777.24 0.00466 (14120124)
486099.57 3740920.88 0.00557 (14120124) 486230.56
3740573.44 0.00500 (14120124)
486472.35 3741103.24 0.00463 (16122024) 486495.56
3741156.19 0.00460 (16122024)
486505.71 3741190.27 0.00457 (16122024) 486565.19
3741320.10 0.00447 (10021524)
486507.16 3741478.93 0.00468 (10021524) 486592.75
3741437.59 0.00455 (10021524)
486467.45 3741620.75 0.00483 (10021524) 486455.41
3741644.54 0.00487 (10021524)
486633.17 3741551.18 0.00455 (10021524) 486717.51
3741579.21 0.00443 (10021524)
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487191.46 3741622.85 0.00376 (10021524) 487025.90
3741639.92 0.00396 (10021524)
487133.34 3741576.51 0.00382 (10021524) 488012.16
3743217.05 0.00439 (14122224)
487998.80 3743333.76 0.00425 (14122224) 488029.09
3743389.44 0.00415 (14122224)
488021.96 3743408.60 0.00411 (14122224) 483361.96
3743140.42 0.01336 (10121524)
483361.31 3743154.26 0.01336 (10121524) 483360.67
3743170.68 0.01334 (10121524)
483360.99 3743184.20 0.01333 (10121524) 483361.31
3743200.30 0.01331 (10121524)
483361.96 3743217.36 0.01328 (10121524) 483361.96
3743230.88 0.01324 (10121524)
483361.96 3743247.94 0.01319 (10121524) 483361.96
3743261.14 0.01313 (10121524)
483363.57 3743276.91 0.01307 (10121524) 483366.14
3743297.84 0.01298 (10121524)
483342.64 3743400.52 0.01213 (10121524) 482875.35
3743417.98 0.01007 (10121524)
482893.91 3743449.04 0.01009 (10121524) 482802.63
3743396.77 0.00977 (10121524)
482881.79 3743436.54 0.01007 (10121524) 482070.28
3742959.52 0.00761c (15120924)
482359.49 3742961.75 0.00807c (15120924) 488147.65
3744011.06 0.00430 (10010624)
488355.64 3743593.90 0.00371 (14122224) 487855.29
3743109.83 0.00456 (14122224)
487831.34 3743023.47 0.00460 (14122224) 485884.32
3741909.49 0.00708 (14120124)
485820.30 3741815.92 0.00847 (14120124) 485772.69
3741740.41 0.00897 (14120124)
485707.03 3741661.61 0.00903 (14120124) 485649.57
3741582.82 0.00878 (14120124)
485578.98 3741477.76 0.00861 (14120124) 485505.11
3741362.84 0.00888 (16122224)

*** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
485441.09	3741261.06	0.00932	(16122224)	485595.40	3741187.19	0.00743	(14120124)
486002.51	3741875.02	0.00594	(10021524)	485745.13	3741113.07	0.00676	(14120124)
485695.88	3741010.14	0.00662	(14120124)	485643.35	3740916.57	0.00671c	(14110324)
485574.40	3740788.52	0.00728	(16122224)	485518.59	3740660.47	0.00774	(16122224)
485431.58	3740497.94	0.00835	(16122224)	485357.70	3740369.90	0.00877	(16122224)
485292.04	3740246.77	0.00909	(16122224)	485243.34	3740149.91	0.00927	(16122224)
484700.97	3740109.82	0.03428	(16122224)	484611.23	3740109.82	0.03675	(16122224)
484525.52	3740111.83	0.03528	(16122224)	484424.69	3740110.82	0.03011m	(10120724)
484326.88	3740110.82	0.02513c	(15012824)	484236.14	3740110.82	0.01648c	(15012824)
484149.42	3740109.82	0.01353	(10111724)	484067.75	3740108.81	0.01232	(10111724)
483983.05	3740110.82	0.01136	(10111724)	484306.22	3740724.68	0.04318	(10121524)
484307.08	3740668.97	0.04224	(10121524)	484305.37	3740611.54	0.03996	(10121524)
484303.01	3740549.61	0.03757	(10121524)	484307.10	3740473.28	0.03928	(10121524)
484305.46	3740397.74	0.03690	(10121524)	484303.82	3740309.06	0.03259	(10121524)
484302.18	3740233.51	0.02895m	(15123124)	484293.97	3742079.44	0.05418	(10121524)
484293.97	3742181.26	0.05509	(10121524)	484290.68	3742271.59	0.05399	(10121524)
484293.96	3742384.90	0.05607	(10121524)	484289.04	3742490.01	0.05473	(10121524)
484290.68	3742596.76	0.05652	(10121524)	484289.04	3742711.72	0.05733	(10121524)
484272.62	3742813.54	0.05180	(10121524)	484251.27	3742890.73	0.04505	(10121524)

```
       483927.74   3743317.73        0.01251c (14010324)                485532.63
       3743420.18        0.01757c (10020924)
       485459.00   3743418.16        0.02316c (10121724)                485383.36
       3743416.14        0.02684c (10121724)
       485290.56   3743410.09        0.03194c (10121724)                485192.73
       3743405.05        0.04234c (10121724)
       485105.99   3743406.06        0.04457c (10121724)                485005.14
       3743407.07        0.04562c (10121724)
       484905.29   3743410.09        0.04712c (10121724)                486942.50
       3743532.82        0.00535  (10010624)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       17:51:39

                     PAGE  71
 *** 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
                                                                                NETWORK
GROUP ID                           AVERAGE CONC     (YYMMDDHH)             RECEPTOR  (XR, YR,
ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS       0.05733  ON 10121524: AT (  484289.04,  3742711.72,
465.26,   817.00,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/02/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       17:51:39

                     PAGE  72
 *** 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            4 Warning Message(s)
 A Total of         2028 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of          978 Calm Hours Identified

 A Total of         1050 Missing Hours Identified (  2.40 Percent)


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

```
   ********   WARNING MESSAGES   ********
ME W186    1025       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187    1025       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:      14010101
MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:    2 year gap

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

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/3/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Ops WO MCP\13265 Ops
CO\13265 Ops CO.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 1 8
   URBANOPT 2189641 Riverside_County
   POLLUTID CO
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Ops CO.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484569.459  3740634.269      436.290
   LOCATION VOL4         VOLUME     484593.056  3740854.507      440.230
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484500.152  3741156.187      463.110
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
```

```
   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485209.682  3742638.493      432.000
** Source Parameters **
   SRCPARAM VOL1         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL2         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL3         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL4         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL5         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL6         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL7         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL8         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL10        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL11        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL12        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL13        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL14        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL15        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL16        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL17        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL18        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL19        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL20        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL21        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL22        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL23        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL24        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL25        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL26        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL27        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL28        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL29        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL30        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL31        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL33        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL34        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL35        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL36        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL37        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL38        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL39        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL40        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL41        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL42        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL43        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL44        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL45        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL46        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL47        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL48        0.1348177322     5.000    50.305     1.400
   URBANSRC ALL
   SRCGROUP ALL
```

```
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Ops CO.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "13265 OPS CO.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "13265 OPS CO.AD\08H1GALL.PLT" 32
   SUMMFILE "13265 Ops CO.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/3/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Ops WO MCP\13265 Ops
CO\13265 Ops CO.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 1 8
   URBANOPT 2189641 Riverside_County
   POLLUTID CO
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Ops CO.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484569.459  3740634.269      436.290
   LOCATION VOL4         VOLUME     484593.056  3740854.507      440.230
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484500.152  3741156.187      463.110
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
```

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   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485209.682  3742638.493      432.000
** Source Parameters **
   SRCPARAM VOL1         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL2         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL3         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL4         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL5         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL6         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL7         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL8         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL10        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL11        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL12        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL13        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL14        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL15        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL16        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL17        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL18        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL19        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL20        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL21        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL22        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL23        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL24        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL25        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL26        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL27        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL28        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL29        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL30        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL31        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL33        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL34        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL35        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL36        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL37        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL38        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL39        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL40        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL41        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL42        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL43        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL44        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL45        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL46        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL47        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL48        0.1348177322     5.000    50.305     1.400
   URBANSRC ALL
```

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   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Ops CO.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "13265 OPS CO.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "13265 OPS CO.AD\08H1GALL.PLT" 32
   SUMMFILE "13265 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     155       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     155       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
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***                                                                        ***        09:43:33

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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    46 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:     46 Source(s);       1 Source Group(s); and     201 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     46 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) =   442.00 ;  Decay Coef. =
0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                 ;  Emission Rate
                 Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3
```

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

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

**Detailed Error/Message File: 13265 Ops
CO.err
**File for Summary of Results: 13265 Ops
CO.sum

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
VOL1	0	0.13482E+00	484430.8	3740413.0	434.6	5.00	50.30	1.40	YES
VOL2	0	0.13482E+00	484431.8	3740634.3	442.9	5.00	50.30	1.40	YES
VOL3	0	0.13482E+00	484569.5	3740634.3	436.3	5.00	50.30	1.40	YES
VOL4	0	0.13482E+00	484593.1	3740854.5	440.2	5.00	50.30	1.40	YES
VOL5	0	0.13482E+00	484604.9	3741070.8	448.3	5.00	50.30	1.40	YES
VOL6	0	0.13482E+00	484500.2	3741156.2	463.1	5.00	50.30	1.40	YES
VOL7	0	0.13482E+00	484433.8	3741291.0	468.5	5.00	50.30	1.40	YES
VOL8	0	0.13482E+00	484618.6	3741291.0	453.1	5.00	50.30	1.40	YES
VOL10	0	0.13482E+00	484435.7	3741505.4	465.8	5.00	50.30	1.40	YES
VOL11	0	0.13482E+00	484626.5	3741507.4	449.9	5.00	50.30	1.40	YES
VOL12	0	0.13482E+00	484733.4	3741510.5	442.6	5.00	50.30	1.40	YES
VOL13	0	0.13482E+00	484433.8	3741727.6	465.1	5.00	50.30	1.40	YES
VOL14	0	0.13482E+00	484652.0	3741727.6	445.5	5.00	50.30	1.40	YES
VOL15	0	0.13482E+00	484870.3	3741729.6	436.0	5.00	50.30	1.40	YES
VOL16	0	0.13482E+00	484435.7	3741947.8	459.9	5.00	50.30	1.40	YES
VOL17	0	0.13482E+00	484607.2	3741945.9	448.5	5.00	50.30	1.40	YES
VOL18	0	0.13482E+00	484772.0	3741947.8	440.5	5.00	50.30	1.40	YES
VOL19	0	0.13482E+00	484970.2	3741949.8	431.7	5.00	50.30	1.40	

YES								
VOL20	0	0.13482E+00	484435.7	3742166.1	456.5	5.00	50.30	1.40
YES								
VOL21	0	0.13482E+00	484641.8	3742166.1	447.2	5.00	50.30	1.40
YES								
VOL22	0	0.13482E+00	484841.6	3742164.5	439.2	5.00	50.30	1.40
YES								
VOL23	0	0.13482E+00	485044.6	3742165.3	431.2	5.00	50.30	1.40
YES								
VOL24	0	0.13482E+00	484436.5	3742387.3	456.4	5.00	50.30	1.40
YES								
VOL25	0	0.13482E+00	484650.5	3742382.3	447.5	5.00	50.30	1.40
YES								
VOL26	0	0.13482E+00	484867.8	3742382.3	439.7	5.00	50.30	1.40
YES								
VOL27	0	0.13482E+00	485083.4	3742384.0	431.9	5.00	50.30	1.40
YES								
VOL28	0	0.13482E+00	484436.5	3742601.3	456.4	5.00	50.30	1.40
YES								
VOL29	0	0.13482E+00	484653.8	3742597.9	449.2	5.00	50.30	1.40
YES								
VOL30	0	0.13482E+00	484869.4	3742597.9	442.0	5.00	50.30	1.40
YES								
VOL31	0	0.13482E+00	485086.7	3742599.6	434.8	5.00	50.30	1.40
YES								
VOL33	0	0.13482E+00	484438.2	3742815.2	461.4	5.00	50.30	1.40
YES								
VOL34	0	0.13482E+00	484653.8	3742813.5	453.1	5.00	50.30	1.40
YES								
VOL35	0	0.13482E+00	484871.1	3742813.5	444.9	5.00	50.30	1.40
YES								
VOL36	0	0.13482E+00	485086.7	3742815.2	439.0	5.00	50.30	1.40
YES								
VOL37	0	0.13482E+00	485297.3	3742815.2	433.7	5.00	50.30	1.40
YES								
VOL38	0	0.13482E+00	484520.1	3742913.8	459.9	5.00	50.30	1.40
YES								
VOL39	0	0.13482E+00	484657.2	3743029.2	456.3	5.00	50.30	1.40
YES								
VOL40	0	0.13482E+00	484869.4	3743029.2	448.1	5.00	50.30	1.40
YES								
VOL41	0	0.13482E+00	485081.7	3743032.5	443.0	5.00	50.30	1.40
YES								
VOL42	0	0.13482E+00	485299.0	3743034.2	438.7	5.00	50.30	1.40
YES								

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
VOL43	0	0.13482E+00	485424.4	3742957.3	433.2	5.00	50.30	1.40

```
 YES
 VOL44           0   0.13482E+00  485422.7 3743172.9   437.1     5.00    50.30     1.40
 YES
 VOL45           0   0.13482E+00  484844.4 3743194.6   451.9     5.00    50.30     1.40
 YES
 VOL46           0   0.13482E+00  485065.0 3743244.8   447.2     5.00    50.30     1.40
 YES
 VOL47           0   0.13482E+00  485208.7 3743248.1   443.7     5.00    50.30     1.40
 YES
 VOL48           0   0.13482E+00  485209.7 3742638.5   432.0     5.00    50.30     1.40
 YES
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        09:43:33

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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        ,

             VOL10       , VOL11       , VOL12       , VOL13       , VOL14       , VOL15       ,
             VOL16       , VOL17       ,

             VOL18       , VOL19       , VOL20       , VOL21       , VOL22       , VOL23       ,
             VOL24       , VOL25       ,

             VOL26       , VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
             VOL33       , VOL34       ,

             VOL35       , VOL36       , VOL37       , VOL38       , VOL39       , VOL40       ,
             VOL41       , VOL42       ,

             VOL43       , VOL44       , VOL45       , VOL46       , VOL47       , VOL48       ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        09:43:33

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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        ,

             VOL10       , VOL11       , VOL12       , VOL13       , VOL14       , VOL15       ,
             VOL16       , VOL17       ,

             VOL18       , VOL19       , VOL20       , VOL21       , VOL22       , VOL23       ,
             VOL24       , VOL25       ,
```

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

(483662.3, 3742990.9, 490.5, 817.0, 2.0); (483660.9, 3743037.8, 489.1, 817.0, 2.0);
(483632.7, 3742966.8, 490.2, 817.0, 2.0); (483627.2, 3742954.5, 491.7, 817.0, 2.0);
(483594.9, 3742937.7, 491.3, 817.0, 2.0); (483590.4, 3742925.4, 492.1, 817.0, 2.0);
(483326.9, 3742783.9, 488.8, 765.0, 2.0); (483322.8, 3742801.6, 486.9, 765.0, 2.0);
(483251.4, 3742776.6, 488.3, 765.0, 2.0); (483477.5, 3742955.4, 479.9, 817.0, 2.0);
(483360.2, 3742974.4, 474.4, 817.0, 2.0); (483306.1, 3742974.8, 473.3, 817.0, 2.0);
(483361.9, 3743014.1, 473.1, 817.0, 2.0); (483093.6, 3742973.4, 467.5, 765.0, 2.0);
(483361.3, 3743031.5, 472.7, 817.0, 2.0); (483360.0, 3743046.3, 472.7, 817.0, 2.0);
(483359.3, 3743062.7, 472.4, 817.0, 2.0); (483358.8, 3743077.8, 471.9, 817.0, 2.0);
(483358.6, 3743093.1, 471.4, 817.0, 2.0); (483358.6, 3743108.2, 470.9, 817.0, 2.0);
(483359.1, 3743122.8, 470.6, 817.0, 2.0); (483219.9, 3742777.5, 488.1, 765.0, 2.0);
(483188.2, 3742774.0, 488.1, 765.0, 2.0); (483154.5, 3742774.0, 486.2, 765.0, 2.0);
(487352.8, 3742161.7, 438.6, 817.0, 2.0); (487594.1, 3742883.9, 438.0, 817.0, 2.0);
(487740.6, 3742878.4, 440.0, 817.0, 2.0); (487781.3, 3742945.8, 440.0, 817.0, 2.0);
(487901.0, 3742678.9, 444.0, 817.0, 2.0); (487832.0, 3742515.9, 444.0, 817.0, 2.0);
(487713.5, 3742284.6, 443.8, 817.0, 2.0); (487751.0, 3742334.2, 444.0, 817.0, 2.0);
(487773.1, 3742367.1, 444.0, 817.0, 2.0); (487208.3, 3741774.0, 442.7, 442.7, 2.0);
(487676.3, 3741967.0, 444.0, 444.0, 2.0); (487659.2, 3741865.1, 444.0, 444.0, 2.0);
(487452.2, 3741715.0, 444.0, 444.0, 2.0); (487493.0, 3741728.4, 444.1, 444.1, 2.0);
(487419.5, 3741700.0, 444.2, 444.2, 2.0); (486863.5, 3741608.5, 442.1, 442.1, 2.0);
(483305.4, 3742774.7, 489.4, 765.0, 2.0); (483252.4, 3742826.8, 480.7, 765.0, 2.0);
(483248.0, 3742883.9, 476.5, 765.0, 2.0); (483271.0, 3742977.4, 472.3, 817.0, 2.0);
(483236.4, 3742974.4, 471.3, 817.0, 2.0); (483204.2, 3742969.9, 470.4, 816.0, 2.0);

(483020.3, 3742969.9, 466.9, 765.0, 2.0); (482990.5, 3742969.4, 466.2, 765.0, 2.0);
(482948.5, 3742964.6, 466.0, 765.0, 2.0); (482511.1, 3742964.1, 459.5, 765.0, 2.0);
(482169.1, 3742722.0, 464.6, 765.0, 2.0); (482205.4, 3742635.3, 467.8, 765.0, 2.0);
(482226.6, 3742575.1, 467.5, 765.0, 2.0); (482236.8, 3742526.7, 467.2, 765.0, 2.0);
(482300.1, 3742439.2, 469.5, 765.0, 2.0); (482300.1, 3742368.1, 466.4, 765.0, 2.0);
(482300.1, 3742329.5, 463.9, 765.0, 2.0); (482300.1, 3742219.7, 461.8, 765.0, 2.0);
(482300.8, 3742167.1, 460.9, 765.0, 2.0); (482291.7, 3742092.5, 458.3, 765.0, 2.0);
(482290.2, 3741997.9, 458.0, 765.0, 2.0); (482287.9, 3741884.7, 454.9, 765.0, 2.0);
(482291.0, 3741799.2, 451.2, 765.0, 2.0); (482896.8, 3741725.4, 464.6, 765.0, 2.0);
(482014.2, 3741605.1, 443.9, 765.0, 2.0); (481759.7, 3741616.2, 440.3, 765.0, 2.0);
(481782.5, 3741558.9, 441.0, 765.0, 2.0); (481738.7, 3741497.2, 440.0, 765.0, 2.0);
(482899.2, 3741347.8, 456.0, 765.0, 2.0); (482905.5, 3741318.6, 456.0, 765.0, 2.0);
(483094.8, 3741257.0, 460.7, 765.0, 2.0); (483086.1, 3741104.7, 456.5, 765.0, 2.0);
(483094.0, 3740957.5, 454.9, 765.0, 2.0); (483086.1, 3740568.1, 451.5, 585.0, 2.0);
(483009.2, 3740676.8, 450.0, 585.0, 2.0); (482810.6, 3740169.8, 439.9, 439.9, 2.0);
(482698.8, 3740092.2, 437.7, 437.7, 2.0); (482380.1, 3739846.6, 434.0, 434.0, 2.0);
(482715.4, 3739916.3, 435.3, 435.3, 2.0); (482244.7, 3739706.9, 432.7, 432.7, 2.0);
(482220.6, 3739522.6, 432.0, 432.0, 2.0); (480667.0, 3738428.5, 432.0, 432.0, 2.0);
(484755.3, 3740097.2, 430.0, 533.0, 2.0); (485120.8, 3740097.2, 432.0, 432.0, 2.0);
(485335.3, 3739977.1, 433.0, 433.0, 2.0); (485534.8, 3740109.1, 434.0, 434.0, 2.0);
(485966.3, 3739987.3, 443.8, 800.0, 2.0); (485941.6, 3739925.6, 443.7, 800.0, 2.0);
(485621.3, 3740251.5, 434.5, 434.5, 2.0); (485943.6, 3739842.8, 444.1, 800.0, 2.0);

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

(485942.0, 3739796.7, 444.7, 811.0, 2.0); (485915.8, 3740153.5, 439.8, 800.0, 2.0);
(485964.5, 3740221.6, 438.5, 800.0, 2.0); (485690.2, 3740369.5, 434.3, 434.3, 2.0);
(485710.3, 3740401.3, 434.5, 434.5, 2.0); (485747.4, 3740462.6, 434.1, 434.1, 2.0);
(485787.5, 3740530.0, 434.0, 434.0, 2.0); (485847.4, 3740607.3, 434.0, 434.0, 2.0);
(485870.5, 3740093.4, 439.8, 800.0, 2.0); (486164.9, 3740527.6, 438.0, 800.0, 2.0);

(486230.3, 3740623.1, 438.0, 800.0, 2.0); (486330.8, 3740777.2, 439.7, 800.0, 2.0);
(486099.6, 3740920.9, 436.0, 436.0, 2.0); (486230.6, 3740573.4, 438.4, 800.0, 2.0);
(486472.3, 3741103.2, 440.0, 440.0, 2.0); (486495.6, 3741156.2, 440.1, 440.1, 2.0);
(486505.7, 3741190.3, 440.0, 440.0, 2.0); (486565.2, 3741320.1, 439.0, 439.0, 2.0);
(486507.2, 3741478.9, 437.6, 765.0, 2.0); (486592.8, 3741437.6, 438.4, 438.4, 2.0);
(486467.5, 3741620.8, 436.2, 817.0, 2.0); (486455.4, 3741644.5, 436.0, 817.0, 2.0);
(486633.2, 3741551.2, 439.0, 765.0, 2.0); (486717.5, 3741579.2, 440.6, 440.6, 2.0);
(486897.7, 3741647.7, 442.0, 442.0, 2.0); (486752.2, 3741648.3, 440.7, 440.7, 2.0);
(487191.5, 3741622.8, 444.8, 444.8, 2.0); (487025.9, 3741639.9, 444.0, 444.0, 2.0);
(487133.3, 3741576.5, 445.3, 445.3, 2.0); (488012.2, 3743217.0, 442.0, 817.0, 2.0);
(487998.8, 3743333.8, 441.3, 817.0, 2.0); (488029.1, 3743389.4, 441.3, 817.0, 2.0);
(488022.0, 3743408.6, 441.0, 817.0, 2.0); (483362.0, 3743140.4, 470.7, 817.0, 2.0);
(483361.3, 3743154.3, 470.4, 817.0, 2.0); (483360.7, 3743170.7, 469.9, 817.0, 2.0);
(483360.0, 3743171.3, 469.8, 817.0, 2.0); (483361.0, 3743184.2, 469.4, 817.0, 2.0);
(483361.3, 3743200.3, 468.9, 817.0, 2.0); (483362.0, 3743217.4, 468.7, 817.0, 2.0);
(483362.0, 3743230.9, 468.7, 817.0, 2.0); (483362.0, 3743247.9, 468.3, 817.0, 2.0);
(483362.0, 3743261.1, 467.9, 817.0, 2.0); (483363.6, 3743276.9, 467.8, 817.0, 2.0);
(483366.1, 3743297.8, 467.9, 817.0, 2.0); (483342.6, 3743400.5, 466.2, 817.0, 2.0);
(482875.3, 3743418.0, 454.0, 817.0, 2.0); (482893.9, 3743449.0, 454.1, 817.0, 2.0);
(482802.6, 3743396.8, 453.1, 817.0, 2.0); (482881.8, 3743436.5, 454.0, 817.0, 2.0);
(482070.3, 3742959.5, 446.7, 765.0, 2.0); (482359.5, 3742961.8, 454.5, 765.0, 2.0);
(488147.6, 3744011.1, 437.0, 817.0, 2.0); (488355.6, 3743593.9, 444.0, 817.0, 2.0);
(487855.3, 3743109.8, 441.0, 817.0, 2.0); (487831.3, 3743023.5, 440.7, 817.0, 2.0);
(485884.3, 3741909.5, 431.0, 817.0, 2.0); (485820.3, 3741815.9, 431.0, 817.0, 2.0);
(485772.7, 3741740.4, 431.0, 817.0, 2.0); (485707.0, 3741661.6, 431.0, 817.0, 2.0);
(485649.6, 3741582.8, 431.0, 817.0, 2.0); (485579.0, 3741477.8, 431.0, 817.0, 2.0);
(485505.1, 3741362.8, 431.0, 765.0, 2.0); (485441.1, 3741261.1, 431.0, 765.0, 2.0);
(485595.4, 3741187.2, 431.1, 765.0, 2.0); (486002.5, 3741875.0, 432.0, 817.0, 2.0);
(485745.1, 3741113.1, 432.0, 765.0, 2.0); (485695.9, 3741010.1, 432.0, 765.0, 2.0);
(485643.3, 3740916.6, 432.0, 765.0, 2.0); (485574.4, 3740788.5, 432.0, 765.0, 2.0);
(485518.6, 3740660.5, 433.0, 765.0, 2.0); (485431.6, 3740497.9, 433.0, 433.0, 2.0);
(485357.7, 3740369.9, 432.0, 432.0, 2.0); (485292.0, 3740246.8, 432.0, 432.0, 2.0);
(485243.3, 3740149.9, 432.0, 432.0, 2.0); (484701.0, 3740109.8, 430.0, 533.0, 2.0);

```
     ( 484611.2, 3740109.8,     430.0,     533.0,       2.0);         ( 484525.5, 3740111.8,
     430.0,     533.0,       2.0);
     ( 484424.7, 3740110.8,     430.0,     585.0,       2.0);         ( 484326.9, 3740110.8,
     431.1,     585.0,       2.0);
     ( 484236.1, 3740110.8,     432.0,     585.0,       2.0);         ( 484149.4, 3740109.8,
     432.8,     585.0,       2.0);
     ( 484067.8, 3740108.8,     432.9,     585.0,       2.0);         ( 483983.0, 3740110.8,
     433.9,     585.0,       2.0);
     ( 484306.2, 3740724.7,     457.8,     765.0,       2.0);         ( 484307.1, 3740669.0,
     451.3,     765.0,       2.0);
     ( 484305.4, 3740611.5,     447.8,     765.0,       2.0);         ( 484303.0, 3740549.6,
     444.8,     765.0,       2.0);
     ( 484307.1, 3740473.3,     439.6,     765.0,       2.0);         ( 484305.5, 3740397.7,
     437.2,     765.0,       2.0);
␌ *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        09:43:33

                      PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

     ( 484303.8, 3740309.1,     434.4,     585.0,       2.0);         ( 484302.2, 3740233.5,
     432.9,     585.0,       2.0);
     ( 484294.0, 3742079.4,     469.2,     765.0,       2.0);         ( 484294.0, 3742181.3,
     466.6,     817.0,       2.0);
     ( 484290.7, 3742271.6,     465.6,     817.0,       2.0);         ( 484294.0, 3742384.9,
     463.4,     817.0,       2.0);
     ( 484289.0, 3742490.0,     463.7,     817.0,       2.0);         ( 484290.7, 3742596.8,
     463.5,     817.0,       2.0);
     ( 484289.0, 3742711.7,     465.3,     817.0,       2.0);         ( 484272.6, 3742813.5,
     468.8,     817.0,       2.0);
     ( 484251.3, 3742890.7,     474.4,     817.0,       2.0);         ( 483927.7, 3743317.7,
     622.8,     765.0,       2.0);
     ( 485532.6, 3743420.2,     437.9,     817.0,       2.0);         ( 485459.0, 3743418.2,
     440.4,     817.0,       2.0);
     ( 485383.4, 3743416.1,     442.9,     817.0,       2.0);         ( 485290.6, 3743410.1,
     445.0,     817.0,       2.0);
     ( 485192.7, 3743405.0,     447.0,     817.0,       2.0);         ( 485106.0, 3743406.1,
     450.8,     817.0,       2.0);
     ( 485005.1, 3743407.1,     451.2,     817.0,       2.0);         ( 484905.3, 3743410.1,
     456.4,     817.0,       2.0);
     ( 486942.5, 3743532.8,     432.0,     817.0,
     2.0);
␌ *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        09:43:33

                      PAGE   9
 *** 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 1 1 1   1 1 1 1 1 1 1 1 1 1
            1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 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 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

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

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5

```
 10 01 01   1 09   20.1  0.128  0.307  0.010   49.  110.     -9.0  0.19   0.61   0.33    0.90
 239.    9.1  284.2    5.5
 10 01 01   1 10   56.7  0.087  0.560  0.010  107.   62.     -1.0  0.19   0.61   0.26    0.40
 188.    9.1  289.2    5.5
 10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61   0.23    2.70
 310.    9.1  290.9    5.5
 10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61   0.22    2.20
 357.    9.1  293.1    5.5
 10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61   0.22    2.20
 356.    9.1  293.8    5.5
 10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61   0.23    2.20
 50.    9.1  294.2    5.5
 10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61   0.27    1.80
 53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
 11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
 351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
 275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
 181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
 318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
 330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
 332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:43:33

                     PAGE  11
 *** 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        , VOL10       , VOL11       ,
                   VOL12       , VOL13       , VOL14       ,
                   VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                   VOL20       , VOL21       , VOL22       ,
                   VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                   VOL28       , VOL29       ,  . . .      ,

                                          *** 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)
```

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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - - -
       483662.28   3742990.90       33.97696  (11090522)                    483660.92
       3743037.77       33.63636  (14072802)
       483632.71   3742966.78       34.05026  (11090522)                    483627.25
       3742954.49       33.54030  (11090522)
       483594.94   3742937.66       33.44888  (15073103)                    483590.39
       3742925.37       33.33137  (15073103)
       483326.92   3742783.86       31.81008  (10082104)                    483322.83
       3742801.60       31.92353  (15062422)
       483251.38   3742776.57       30.93226  (10082104)                    483477.54
       3742955.40       33.61992  (11090522)
       483360.24   3742974.39       31.11234  (11090522)                    483306.13
       3742974.79       30.03743  (11090522)
       483361.93   3743014.11       30.54198  (11090522)                    483093.56
       3742973.36       24.77224  (11090522)
       483361.29   3743031.51       30.22504  (11090522)                    483359.96
       3743046.35       30.00804  (11090522)
       483359.27   3743062.67       29.72073  (16102119)                    483358.76
       3743077.79       29.34480  (16102119)
       483358.58   3743093.09       29.02755  (14072802)                    483358.58
       3743108.21       28.71973  (14072802)
       483359.10   3743122.81       28.50655  (14072802)                    483219.94
       3742777.51       30.51861  (10082104)
       483188.19   3742774.03       30.14530  (10082104)                    483154.49
       3742774.03       29.91288  (10062520)
       487352.85   3742161.74        6.80412  (15100118)                    487594.10
       3742883.93        6.22604  (15121924)
       487740.59   3742878.41        6.04888  (15121924)                    487781.26
       3742945.81        5.95257  (15111523)
       487900.95   3742678.93        6.71169  (10101218)                    487832.01
       3742515.86        6.73237  (10030218)
       487713.48   3742284.61        6.86972  (11090722)                    487751.05
       3742334.19        6.82381  (10060220)
       487773.13   3742367.11        6.76391  (10060220)                    487208.30
       3741773.97        7.53800  (10082522)
       487676.34   3741966.97        6.82432  (15100118)                    487659.19
       3741865.11        6.72085  (15100118)
       487452.24   3741714.99        7.05989  (15080522)                    487492.98
       3741728.39        6.97332  (11071722)
       487419.53   3741699.98        7.19202  (15080522)                    486863.50
       3741608.53        8.08685  (10082420)
       483305.42   3742774.69       31.49034  (10082104)                    483252.39
       3742826.78       31.44479  (15062422)
       483248.01   3742883.93       30.48356  (15073103)                    483271.02
       3742977.45       29.22248  (11090522)
       483236.43   3742974.42       28.37768  (11090522)                    483204.18
       3742969.89       27.58907  (11090522)
       483020.32   3742969.89       23.58185  (11090522)                    482990.46
       3742969.37       22.84071  (11090522)
       482948.55   3742964.65       22.28961  (11090522)                    482511.10
       3742964.13       15.65576  (14090721)
       482169.09   3742721.99       16.66520  (10082001)                    482205.43
       3742635.31       18.82825  (15062422)
       482226.62   3742575.13       18.78664  (10062520)                    482236.84
       3742526.68       18.80272  (14091921)
       482300.06   3742439.24       20.48491  (11090804)                    482300.06
       3742368.08       19.34101  (15071721)
       482300.06   3742329.47       17.93730  (15071721)                    482300.06
       3742219.70       16.71995  (15062421)
       482300.81   3742167.09       16.51878  (16062321)                    482291.73
       3742092.52       14.69281  (15062421)
       482290.21   3741997.89       14.50412  (15101321)                    482287.94
       3741884.71       13.38875  (11081820)
       482290.97   3741799.17       11.58080  (11081820)                    482896.84
       3741725.43       24.89082  (16072820)
```

*** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
482220.64	3739522.63	4.69820	(14100721)	480667.03	3738428.48	2.79450	(11082022)
484755.27	3740097.17	14.17386	(16102019)	485120.82	3740097.17	10.15379	(14092319)
485335.35	3739977.14	8.50720	(15062020)	485534.79	3740109.14	8.02522	(15081219)
485966.31	3739987.30	9.20770	(14091422)	485941.65	3739925.65	9.05209	(11082521)
485621.34	3740251.52	8.18311	(15080520)	485943.59	3739842.81	8.92864	(11082521)
485942.02	3739796.70	9.00731	(11082521)	485915.82	3740153.53	8.33168	(15081521)
485964.55	3740221.65	8.09071	(14091419)	485690.25	3740369.51	8.24508	(10082619)
485710.31	3740401.31	8.27428	(10082619)	485747.41	3740462.64	8.17164	(15101507)
485787.54	3740530.03	8.27804	(15101507)	485847.36	3740607.26	8.30697	(15101507)
485870.49	3740093.39	8.32291	(10071620)	486164.92	3740527.57	8.13002	(11082621)
486230.27	3740623.12	8.10129	(10082622)	486330.75	3740777.24	8.18348	(16083119)

```
      486099.57   3740920.88        8.87143  (16083119)               486230.56
      3740573.44        8.01726  (10082622)
      486472.35   3741103.24        8.23895  (10071421)               486495.56
      3741156.19        8.19431  (14072822)
      486505.71   3741190.27        8.20336  (14072822)               486565.19
      3741320.10        8.17687  (15082320)
      486507.16   3741478.93        8.16315  (10082124)               486592.75
      3741437.59        8.19535  (15082320)
      486467.45   3741620.75        8.36995  (11070604)               486455.41
      3741644.54        8.47326  (11070604)
      486633.17   3741551.18        8.19442  (10082124)               486717.51
      3741579.21        8.00991  (10082124)
      486897.68   3741647.66        7.98078  (16072221)               486752.18
      3741648.28        7.95616  (10082124)
      487191.46   3741622.85        7.85545  (10082022)               487025.90
      3741639.92        8.21625  (14091220)
      487133.34   3741576.51        8.44799  (10082022)               488012.16
      3743217.05        6.12625  (15111523)
      487998.80   3743333.76        5.85116  (16092818)               488029.09
      3743389.44        5.82776  (16092818)
      488021.96   3743408.60        5.83891  (16092818)               483361.96
      3743140.42       28.41027  (14072802)
      483361.31   3743154.26       28.12957  (14072802)               483360.67
      3743170.68       27.81089  (15091020)
      483360.02   3743171.33       27.77688  (15091020)               483360.99
      3743184.20       27.56125  (15091020)
      483361.31   3743200.30       27.22566  (15091020)               483361.96
      3743217.36       27.06143  (15091020)
      483361.96   3743230.88       26.98605  (15091020)               483361.96
      3743247.94       26.66019  (15091020)
      483361.96   3743261.14       26.31347  (15091020)               483363.57
      3743276.91       26.14304  (15091020)
      483366.14   3743297.84       26.03865  (15091020)               483342.64
      3743400.52       23.75953  (16091819)
      482875.35   3743417.98       13.31235  (14083119)               482893.91
      3743449.04       13.35610  (14083119)
      482802.63   3743396.77       12.75045  (14083119)               482881.79
      3743436.54       13.29882  (14083119)
      482070.28   3742959.52        7.56736  (14071420)               482359.49
      3742961.75       12.04437  (14090721)
      488147.65   3744011.06        4.88709  (10042019)               488355.64
      3743593.90        6.13171  (15090619)
      487855.29   3743109.83        6.06473  (15111523)               487831.34
      3743023.47        6.01853  (15111523)
      485884.32   3741909.49       15.18371  (15101507)               485820.30
      3741815.92       15.65171  (15101507)
      485772.69   3741740.41       15.92576  (15101507)               485707.03
      3741661.61       16.46425  (15101507)
      485649.57   3741582.82       16.82342  (15101507)               485578.98
      3741477.76       17.12902  (15101507)
      485505.11   3741362.84       17.31762  (15101507)               485441.09
      3741261.06       17.39335  (15101507)
      485595.40   3741187.19       14.15836  (15101507)               486002.51
      3741875.02       13.22277  (15101507)
      485745.13   3741113.07       11.84012  (15101507)               485695.88
      3741010.14       11.66521  (15101507)
      485643.35   3740916.57       11.55334  (15101507)               485574.40
      3740788.52       11.32415  (15101507)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***       05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       09:43:33

                     PAGE  13
 *** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
485518.59	3740660.47	10.92799	(15101507)	485431.58	3740497.94	10.47977	(15101507)
485357.70	3740369.90	10.08072	(15101507)	485292.04	3740246.77	9.58253	(15101507)
485243.34	3740149.91	9.53879	(15062020)	484700.97	3740109.82	15.30749	(11090621)
484611.23	3740109.82	17.07965	(11090621)	484525.52	3740111.83	19.21686	(10092420)
484424.69	3740110.82	20.24189	(14091319)	484326.88	3740110.82	19.67377	(14042920)
484236.14	3740110.82	18.50816	(15051418)	484149.42	3740109.82	15.73049	(10092619)
484067.75	3740108.81	14.21295	(10092619)	483983.05	3740110.82	12.87359	(10092619)
484306.22	3740724.68	54.53862	(14073121)	484307.08	3740668.97	49.90860	(14072802)
484305.37	3740611.54	47.30111	(11082922)	484303.01	3740549.61	41.70151	(11010316)
484307.10	3740473.28	37.81203	(15101507)	484305.46	3740397.74	38.04320	(11010316)
484303.82	3740309.06	33.51283	(11010316)	484302.18	3740233.51	27.07040	(15051418)
484293.97	3742079.44	83.65499	(16072421)	484293.97	3742181.26	79.10797	(10092621)
484290.68	3742271.59	78.66049	(10092621)	484293.96	3742384.90	78.20241	(16083019)
484289.04	3742490.01	75.57600	(16072820)	484290.68	3742596.76	75.70893	(14090720)
484289.04	3742711.72	68.31011	(14090620)	484272.62	3742813.54	74.54883	(15062421)
484251.27	3742890.73	66.88942	(11090522)	483927.74	3743317.73	26.77725	(10060619)
485532.63	3743420.18	40.52870	(14041207)	485459.00	3743418.16	44.53444	(11082722)
485383.36	3743416.14	52.92954	(16031519)	485290.56	3743410.09	56.62581	(14041207)
485192.73	3743405.05	69.22822	(16092719)	485105.99	3743406.06	76.60425	(16092719)
485005.14	3743407.07	66.79483	(15072721)	484905.29	3743410.09	69.32140	(16092719)
486942.50	3743532.82	7.19046	(15110220)				

*** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
483662.28	3742990.90	23.05843	(16123108)	483660.92	3743037.77	23.59897	(16123108)
483632.71	3742966.78	22.30839	(16123108)	483627.25	3742954.49	21.87156	(16123108)
483594.94	3742937.66	21.14677	(16123108)	483590.39	3742925.37	20.84371	(16123108)
483326.92	3742783.86	15.04866	(16123108)	483322.83	3742801.60	15.23174	(16123108)
483251.38	3742776.57	14.00409	(14113008)	483477.54	3742955.40	19.39918	(16123108)
483360.24	3742974.39	16.83802m	(10042324)	483306.13	3742974.79	15.93845m	(10042324)
483361.93	3743014.11	17.04629m	(10042324)	483093.56	3742973.36	12.64180	(14040424)
483361.29	3743031.51	17.10192m	(10042324)	483359.96	3743046.35	17.15313m	(10042324)
483359.27	3743062.67	17.20045m	(10042324)	483358.76	3743077.79	17.21131m	(10042324)
483358.58	3743093.09	17.16679m	(10042324)	483358.58	3743108.21	17.16811m	(10042324)
483359.10	3743122.81	17.19534m	(10042324)	483219.94	3742777.51	13.72588	(14113008)
483188.19	3742774.03	13.43125	(14113008)	483154.49	3742774.03	13.14152	(14113008)
487352.85	3742161.74	4.18604	(15121108)	487594.10	3742883.93	3.69084	(14042608)
487740.59	3742878.41	3.51154	(14042608)	487781.26	3742945.81	3.47810	(14042608)
487900.95	3742678.93	3.45133	(15122008)	487832.01	3742515.86	3.58118	(11123024)
487713.48	3742284.61	3.69818	(11123024)	487751.05	3742334.19	3.66258	(11123024)
487773.13	3742367.11	3.64185	(11123024)	487208.30	3741773.97	4.91390	(16010524)
487676.34	3741966.97	3.71986	(15121108)	487659.19	3741865.11	3.77271	(15111724)
487452.24	3741714.99	4.38654	(16010524)	487492.98	3741728.39	4.27876	(16010524)
487419.53	3741699.98	4.49802	(16010524)	486863.50	3741608.53	5.62795	(15020124)
483305.42	3742774.69	14.55709	(16123108)	483252.39	3742826.78	14.25576	(14040424)

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       483248.01   3742883.93       14.72695  (14040424)                483271.02
       3742977.45       15.33326m (10042324)
       483236.43   3742974.42       14.69534  (14040424)                483204.18
       3742969.89       14.20732  (14040424)
       483020.32   3742969.89       11.86469  (14040424)                482990.46
       3742969.37       11.46235  (14040424)
       482948.55   3742964.65       11.07941  (14040424)                482511.10
       3742964.13        7.12402  (14040424)
       482169.09   3742721.99        7.52498  (11010224)                482205.43
       3742635.31        8.09334  (11010224)
       482226.62   3742575.13        8.26547  (11010224)                482236.84
       3742526.68        8.36631  (11010224)
       482300.06   3742439.24        8.91475  (11010224)                482300.06
       3742368.08        8.86014  (11010224)
       482300.06   3742329.47        8.59576  (11010224)                482300.06
       3742219.70        8.42068  (11010224)
       482300.81   3742167.09        8.38902  (11010224)                482291.73
       3742092.52        7.72574  (11010224)
       482290.21   3741997.89        7.79067  (11010224)                482287.94
       3741884.71        7.36847  (11010224)
       482290.97   3741799.17        6.43352  (11010224)                482896.84
       3741725.43       11.57933  (16030724)
       482014.24   3741605.12        4.09668  (11010224)                481759.68
       3741616.21        3.27533  (14012324)
       481782.49   3741558.89        3.31503  (14012324)                481738.72
       3741497.25        3.22222  (14012324)
       482899.19   3741347.84        9.39503  (16030724)                482905.50
       3741318.60        9.35712  (16030724)
       483094.76   3741256.97       12.09056  (10072608)                483086.06
       3741104.69       10.42569  (10072608)
       483094.04   3740957.48        9.75998  (10072608)                483086.06
       3740568.07        8.84426  (16122224)
       483009.20   3740676.84        7.58696  (14111824)                482810.58
       3740169.82        4.62662  (14111824)
       482698.82   3740092.19        4.04094  (14111824)                482380.08
       3739846.62        2.94186  (16111824)
       482715.43   3739916.28        3.75228  (14122324)                482244.68
       3739706.94        2.69259  (16111824)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:43:33

                     PAGE  15
 *** 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        , VOL10       , VOL11       ,
                  VOL12       , VOL13       , VOL14       ,
                  VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                  VOL20       , VOL21       , VOL22       ,
                  VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                  VOL28       , VOL29       ,  . . .      ,

                                          *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
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482220.64 3739522.63 2.60442 (14122324) 480667.03
3738428.48 1.34538 (16111824)
484755.27 3740097.17 11.34033 (14010524) 485120.82
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485335.35 3739977.14 7.24969 (15012508) 485534.79
3740109.14 6.70388 (15012508)
485966.31 3739987.30 7.76423 (10101824) 485941.65
3739925.65 7.62114 (10101824)
485621.34 3740251.52 6.80634 (15101624) 485943.59
3739842.81 7.41918 (10101824)
485942.02 3739796.70 7.37626 (10101824) 485915.82
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485964.55 3740221.65 6.64491 (10101824) 485690.25
3740369.51 6.81000m (10060508)
485710.31 3740401.31 6.85679m (10060508) 485747.41
3740462.64 6.94563m (10060508)
485787.54 3740530.03 7.03618m (10060508) 485847.36
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485870.49 3740093.39 6.88378 (10101824) 486164.92
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486633.17 3741551.18 6.16392 (15111724) 486717.51
3741579.21 5.92346 (15111724)
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487133.34 3741576.51 5.51038 (16010524) 488012.16
3743217.05 3.36560 (15111524)
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3743389.44 3.31755 (16122424)
488021.96 3743408.60 3.34246 (16122424) 483361.96
3743140.42 17.29610m (10042324)
483361.31 3743154.26 17.28541m (10042324) 483360.67
3743170.68 17.23346m (10042324)
483360.02 3743171.33 17.21830m (10042324) 483360.99
3743184.20 17.19454m (10042324)
483361.31 3743200.30 17.13305m (10042324) 483361.96
3743217.36 17.07962m (10042324)
483361.96 3743230.88 17.08394m (10042324) 483361.96
3743247.94 17.01445m (10042324)
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483366.14 3743297.84 16.87743m (10042324) 483342.64
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482875.35 3743417.98 8.22104m (10042324) 482893.91
3743449.04 8.38084m (10042324)
482802.63 3743396.77 7.51918m (10042324) 482881.79
3743436.54 8.26703m (10042324)
482070.28 3742959.52 3.91389 (14113008) 482359.49
3742961.75 5.67054 (11010224)
488147.65 3744011.06 2.92364 (16122424) 488355.64
3743593.90 3.34607 (16122424)
487855.29 3743109.83 3.45104 (15111524) 487831.34
3743023.47 3.46128 (14042608)

*** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
485518.59	3740660.47	9.29463m	(10060508)	485431.58	3740497.94	8.91297m	(10060508)
485357.70	3740369.90	8.57437m	(10060508)	485292.04	3740246.77	8.18033	(15012508)
485243.34	3740149.91	8.12731	(15012508)	484700.97	3740109.82	12.08433	(14010524)
484611.23	3740109.82	13.06047	(14010524)	484525.52	3740111.83	13.58435	(14012024)
484424.69	3740110.82	13.55927	(14011508)	484326.88	3740110.82	12.37152	(16122024)
484236.14	3740110.82	11.05796	(11123124)	484149.42	3740109.82	10.17634	(14122324)
484067.75	3740108.81	9.53286	(14122324)	483983.05	3740110.82	8.90918	(14122324)
484306.22	3740724.68	37.43597	(16123108)	484307.08	3740668.97	38.24363b	(11070908)
484305.37	3740611.54	36.42377	(16123108)	484303.01	3740549.61	36.37502	(16123108)
484307.10	3740473.28	32.32831m	(10060508)	484305.46	3740397.74	30.23795m	(10060508)
484303.82	3740309.06	21.94618m	(10060508)	484302.18	3740233.51	16.45495m	(10060508)
484293.97	3742079.44	53.54554	(16122224)	484293.97	3742181.26	56.43341m	(10060524)

484290.68 3742271.59 59.42278m (10060524) 484293.96
3742384.90 59.97228m (10060524)
484289.04 3742490.01 61.17438m (10060524) 484290.68
3742596.76 60.81744 (16123108)
484289.04 3742711.72 64.59129 (16123108) 484272.62
3742813.54 59.73873 (16123108)
484251.27 3742890.73 54.56149 (16123108) 483927.74
3743317.73 24.39561 (16123108)
485532.63 3743420.18 25.20184 (14013108) 485459.00
3743418.16 32.36145 (16091308)
485383.36 3743416.14 37.80609 (14013024) 485290.56
3743410.09 43.81021m (10042408)
485192.73 3743405.05 52.40542 (16122408) 485105.99
3743406.06 58.74185 (14113024)
485005.14 3743407.07 55.00183 (16121108) 484905.29
3743410.09 56.73450 (14102624)
486942.50 3743532.82 4.79467
(16122424)

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
ALL	1ST HIGH VALUE IS	83.65499	ON 16072421: AT (484293.97, 3742079.44, 469.17, 765.00, 2.00)	DC	

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

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR,	NETWORK

```
ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS      64.59129  ON 16123108: AT (  484289.04,  3742711.72,
465.26,   817.00,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
␌ *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***       09:43:33

                      PAGE  19
 *** 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            4 Warning Message(s)
 A Total of         2028 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of          978 Calm Hours Identified

 A Total of         1050 Missing Hours Identified (  2.40 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186     155       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used           0.50
 ME W187     155       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:      14010101
 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:    2 year gap

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

```
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/3/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Ops WO MCP\13265 Ops
NOX\13265 Ops NOX.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 1
   URBANOPT 2189641 Riverside_County
   POLLUTID NOX
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Ops NOX.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484569.459  3740634.269      436.290
   LOCATION VOL4         VOLUME     484593.056  3740854.507      440.230
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484500.152  3741156.187      463.110
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
```

```
   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485209.682  3742638.493      432.000
** Source Parameters **
   SRCPARAM VOL1         0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL2         0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL3         0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL4         0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL5         0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL6         0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL7         0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL8         0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL10        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL11        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL12        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL13        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL14        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL15        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL16        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL17        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL18        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL19        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL20        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL21        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL22        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL23        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL24        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL25        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL26        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL27        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL28        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL29        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL30        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL31        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL33        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL34        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL35        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL36        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL37        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL38        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL39        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL40        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL41        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL42        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL43        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL44        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL45        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL46        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL47        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL48        0.0273415401     5.000    50.305     1.400
   URBANSRC ALL
   SRCGROUP ALL
```

```
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Ops NOX.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "13265 OPS NOX.AD\01H1GALL.PLT" 31
   SUMMFILE "13265 Ops NOX.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/3/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Ops WO MCP\13265 Ops
NOX\13265 Ops NOX.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 1
   URBANOPT 2189641 Riverside_County
   POLLUTID NOX
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Ops NOX.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484569.459  3740634.269      436.290
   LOCATION VOL4         VOLUME     484593.056  3740854.507      440.230
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484500.152  3741156.187      463.110
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
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   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
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   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
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   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
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   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
```

```
   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
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   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
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   LOCATION VOL48        VOLUME     485209.682  3742638.493      432.000
** Source Parameters **
   SRCPARAM VOL1         0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL2         0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL3         0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL4         0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL5         0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL6         0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL7         0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL8         0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL10        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL11        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL12        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL13        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL14        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL15        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL16        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL17        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL18        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL19        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL20        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL21        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL22        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL23        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL24        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL25        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL26        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL27        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL28        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL29        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL30        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL31        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL33        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL34        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL35        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL36        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL37        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL38        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL39        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL40        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL41        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL42        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL43        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL44        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL45        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL46        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL47        0.0273415401     5.000    50.305     1.400
   SRCPARAM VOL48        0.0273415401     5.000    50.305     1.400
   URBANSRC ALL
```

```
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Ops NOX.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "13265 OPS NOX.AD\01H1GALL.PLT" 31
   SUMMFILE "13265 Ops NOX.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     155       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     155       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       10:22:44
```

```
                                           ***     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    46 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:     46 Source(s);       1 Source Group(s); and     201 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     46 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) =   442.00 ;  Decay Coef. =
0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                ;  Emission Rate
                 Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      3.5 MB of RAM.
```

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

**Detailed Error/Message File: 13265 Ops
NOX.err
**File for Summary of Results: 13265 Ops
NOX.sum

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
VOL1	0	0.27342E-01	484430.8	3740413.0	434.6	5.00	50.30	1.40	YES
VOL2	0	0.27342E-01	484431.8	3740634.3	442.9	5.00	50.30	1.40	YES
VOL3	0	0.27342E-01	484569.5	3740634.3	436.3	5.00	50.30	1.40	YES
VOL4	0	0.27342E-01	484593.1	3740854.5	440.2	5.00	50.30	1.40	YES
VOL5	0	0.27342E-01	484604.9	3741070.8	448.3	5.00	50.30	1.40	YES
VOL6	0	0.27342E-01	484500.2	3741156.2	463.1	5.00	50.30	1.40	YES
VOL7	0	0.27342E-01	484433.8	3741291.0	468.5	5.00	50.30	1.40	YES
VOL8	0	0.27342E-01	484618.6	3741291.0	453.1	5.00	50.30	1.40	YES
VOL10	0	0.27342E-01	484435.7	3741505.4	465.8	5.00	50.30	1.40	YES
VOL11	0	0.27342E-01	484626.5	3741507.4	449.9	5.00	50.30	1.40	YES
VOL12	0	0.27342E-01	484733.4	3741510.5	442.6	5.00	50.30	1.40	YES
VOL13	0	0.27342E-01	484433.8	3741727.6	465.1	5.00	50.30	1.40	YES
VOL14	0	0.27342E-01	484652.0	3741727.6	445.5	5.00	50.30	1.40	YES
VOL15	0	0.27342E-01	484870.3	3741729.6	436.0	5.00	50.30	1.40	YES
VOL16	0	0.27342E-01	484435.7	3741947.8	459.9	5.00	50.30	1.40	YES
VOL17	0	0.27342E-01	484607.2	3741945.9	448.5	5.00	50.30	1.40	YES
VOL18	0	0.27342E-01	484772.0	3741947.8	440.5	5.00	50.30	1.40	YES
VOL19	0	0.27342E-01	484970.2	3741949.8	431.7	5.00	50.30	1.40	YES
VOL20	0	0.27342E-01	484435.7	3742166.1	456.5	5.00	50.30	1.40	

```
 YES
 VOL21           0   0.27342E-01  484641.8 3742166.1   447.2     5.00    50.30     1.40
 YES
 VOL22           0   0.27342E-01  484841.6 3742164.5   439.2     5.00    50.30     1.40
 YES
 VOL23           0   0.27342E-01  485044.6 3742165.3   431.2     5.00    50.30     1.40
 YES
 VOL24           0   0.27342E-01  484436.5 3742387.3   456.4     5.00    50.30     1.40
 YES
 VOL25           0   0.27342E-01  484650.5 3742382.3   447.5     5.00    50.30     1.40
 YES
 VOL26           0   0.27342E-01  484867.8 3742382.3   439.7     5.00    50.30     1.40
 YES
 VOL27           0   0.27342E-01  485083.4 3742384.0   431.9     5.00    50.30     1.40
 YES
 VOL28           0   0.27342E-01  484436.5 3742601.3   456.4     5.00    50.30     1.40
 YES
 VOL29           0   0.27342E-01  484653.8 3742597.9   449.2     5.00    50.30     1.40
 YES
 VOL30           0   0.27342E-01  484869.4 3742597.9   442.0     5.00    50.30     1.40
 YES
 VOL31           0   0.27342E-01  485086.7 3742599.6   434.8     5.00    50.30     1.40
 YES
 VOL33           0   0.27342E-01  484438.2 3742815.2   461.4     5.00    50.30     1.40
 YES
 VOL34           0   0.27342E-01  484653.8 3742813.5   453.1     5.00    50.30     1.40
 YES
 VOL35           0   0.27342E-01  484871.1 3742813.5   444.9     5.00    50.30     1.40
 YES
 VOL36           0   0.27342E-01  485086.7 3742815.2   439.0     5.00    50.30     1.40
 YES
 VOL37           0   0.27342E-01  485297.3 3742815.2   433.7     5.00    50.30     1.40
 YES
 VOL38           0   0.27342E-01  484520.1 3742913.8   459.9     5.00    50.30     1.40
 YES
 VOL39           0   0.27342E-01  484657.2 3743029.2   456.3     5.00    50.30     1.40
 YES
 VOL40           0   0.27342E-01  484869.4 3743029.2   448.1     5.00    50.30     1.40
 YES
 VOL41           0   0.27342E-01  485081.7 3743032.5   443.0     5.00    50.30     1.40
 YES
 VOL42           0   0.27342E-01  485299.0 3743034.2   438.7     5.00    50.30     1.40
 YES
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       10:22:44

                     PAGE   3
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

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

 VOL43           0   0.27342E-01  485424.4 3742957.3   433.2     5.00    50.30     1.40
 YES
 VOL44           0   0.27342E-01  485422.7 3743172.9   437.1     5.00    50.30     1.40
```

```
 YES
 VOL45           0   0.27342E-01  484844.4 3743194.6   451.9     5.00    50.30     1.40
 YES
 VOL46           0   0.27342E-01  485065.0 3743244.8   447.2     5.00    50.30     1.40
 YES
 VOL47           0   0.27342E-01  485208.7 3743248.1   443.7     5.00    50.30     1.40
 YES
 VOL48           0   0.27342E-01  485209.7 3742638.5   432.0     5.00    50.30     1.40
 YES
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       10:22:44

                     PAGE   4
 *** 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        ,

             VOL10       , VOL11       , VOL12       , VOL13       , VOL14       , VOL15       ,
             VOL16       , VOL17       ,

             VOL18       , VOL19       , VOL20       , VOL21       , VOL22       , VOL23       ,
             VOL24       , VOL25       ,

             VOL26       , VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
             VOL33       , VOL34       ,

             VOL35       , VOL36       , VOL37       , VOL38       , VOL39       , VOL40       ,
             VOL41       , VOL42       ,

             VOL43       , VOL44       , VOL45       , VOL46       , VOL47       , VOL48       ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       10:22:44

                     PAGE   5
 *** 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        ,

             VOL10       , VOL11       , VOL12       , VOL13       , VOL14       , VOL15       ,
             VOL16       , VOL17       ,

             VOL18       , VOL19       , VOL20       , VOL21       , VOL22       , VOL23       ,
             VOL24       , VOL25       ,

             VOL26       , VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
```

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

(483662.3, 3742990.9, 490.5, 817.0, 2.0); (483660.9, 3743037.8, 489.1, 817.0, 2.0);
(483632.7, 3742966.8, 490.2, 817.0, 2.0); (483627.2, 3742954.5, 491.7, 817.0, 2.0);
(483594.9, 3742937.7, 491.3, 817.0, 2.0); (483590.4, 3742925.4, 492.1, 817.0, 2.0);
(483326.9, 3742783.9, 488.8, 765.0, 2.0); (483322.8, 3742801.6, 486.9, 765.0, 2.0);
(483251.4, 3742776.6, 488.3, 765.0, 2.0); (483477.5, 3742955.4, 479.9, 817.0, 2.0);
(483360.2, 3742974.4, 474.4, 817.0, 2.0); (483306.1, 3742974.8, 473.3, 817.0, 2.0);
(483361.9, 3743014.1, 473.1, 817.0, 2.0); (483093.6, 3742973.4, 467.5, 765.0, 2.0);
(483361.3, 3743031.5, 472.7, 817.0, 2.0); (483360.0, 3743046.3, 472.7, 817.0, 2.0);
(483359.3, 3743062.7, 472.4, 817.0, 2.0); (483358.8, 3743077.8, 471.9, 817.0, 2.0);
(483358.6, 3743093.1, 471.4, 817.0, 2.0); (483358.6, 3743108.2, 470.9, 817.0, 2.0);
(483359.1, 3743122.8, 470.6, 817.0, 2.0); (483219.9, 3742777.5, 488.1, 765.0, 2.0);
(483188.2, 3742774.0, 488.1, 765.0, 2.0); (483154.5, 3742774.0, 486.2, 765.0, 2.0);
(487352.8, 3742161.7, 438.6, 817.0, 2.0); (487594.1, 3742883.9, 438.0, 817.0, 2.0);
(487740.6, 3742878.4, 440.0, 817.0, 2.0); (487781.3, 3742945.8, 440.0, 817.0, 2.0);
(487901.0, 3742678.9, 444.0, 817.0, 2.0); (487832.0, 3742515.9, 444.0, 817.0, 2.0);
(487713.5, 3742284.6, 443.8, 817.0, 2.0); (487751.0, 3742334.2, 444.0, 817.0, 2.0);
(487773.1, 3742367.1, 444.0, 817.0, 2.0); (487208.3, 3741774.0, 442.7, 442.7, 2.0);
(487676.3, 3741967.0, 444.0, 444.0, 2.0); (487659.2, 3741865.1, 444.0, 444.0, 2.0);
(487452.2, 3741715.0, 444.0, 444.0, 2.0); (487493.0, 3741728.4, 444.1, 444.1, 2.0);
(487419.5, 3741700.0, 444.2, 444.2, 2.0); (486863.5, 3741608.5, 442.1, 442.1, 2.0);
(483305.4, 3742774.7, 489.4, 765.0, 2.0); (483252.4, 3742826.8, 480.7, 765.0, 2.0);
(483248.0, 3742883.9, 476.5, 765.0, 2.0); (483271.0, 3742977.4, 472.3, 817.0, 2.0);
(483236.4, 3742974.4, 471.3, 817.0, 2.0); (483204.2, 3742969.9, 470.4, 816.0, 2.0);
(483020.3, 3742969.9, 466.9, 765.0, 2.0); (482990.5, 3742969.4, 466.2, 765.0, 2.0);

(482948.5, 3742964.6, 466.0, 765.0, 2.0); (482511.1, 3742964.1, 459.5, 765.0, 2.0);
(482169.1, 3742722.0, 464.6, 765.0, 2.0); (482205.4, 3742635.3, 467.8, 765.0, 2.0);
(482226.6, 3742575.1, 467.5, 765.0, 2.0); (482236.8, 3742526.7, 467.2, 765.0, 2.0);
(482300.1, 3742439.2, 469.5, 765.0, 2.0); (482300.1, 3742368.1, 466.4, 765.0, 2.0);
(482300.1, 3742329.5, 463.9, 765.0, 2.0); (482300.1, 3742219.7, 461.8, 765.0, 2.0);
(482300.8, 3742167.1, 460.9, 765.0, 2.0); (482291.7, 3742092.5, 458.3, 765.0, 2.0);
(482290.2, 3741997.9, 458.0, 765.0, 2.0); (482287.9, 3741884.7, 454.9, 765.0, 2.0);
(482291.0, 3741799.2, 451.2, 765.0, 2.0); (482896.8, 3741725.4, 464.6, 765.0, 2.0);
(482014.2, 3741605.1, 443.9, 765.0, 2.0); (481759.7, 3741616.2, 440.3, 765.0, 2.0);
(481782.5, 3741558.9, 441.0, 765.0, 2.0); (481738.7, 3741497.2, 440.0, 765.0, 2.0);
(482899.2, 3741347.8, 456.0, 765.0, 2.0); (482905.5, 3741318.6, 456.0, 765.0, 2.0);
(483094.8, 3741257.0, 460.7, 765.0, 2.0); (483086.1, 3741104.7, 456.5, 765.0, 2.0);
(483094.0, 3740957.5, 454.9, 765.0, 2.0); (483086.1, 3740568.1, 451.5, 585.0, 2.0);
(483009.2, 3740676.8, 450.0, 585.0, 2.0); (482810.6, 3740169.8, 439.9, 439.9, 2.0);
(482698.8, 3740092.2, 437.7, 437.7, 2.0); (482380.1, 3739846.6, 434.0, 434.0, 2.0);
(482715.4, 3739916.3, 435.3, 435.3, 2.0); (482244.7, 3739706.9, 432.7, 432.7, 2.0);
(482220.6, 3739522.6, 432.0, 432.0, 2.0); (480667.0, 3738428.5, 432.0, 432.0, 2.0);
(484755.3, 3740097.2, 430.0, 533.0, 2.0); (485120.8, 3740097.2, 432.0, 432.0, 2.0);
(485335.3, 3739977.1, 433.0, 433.0, 2.0); (485534.8, 3740109.1, 434.0, 434.0, 2.0);
(485966.3, 3739987.3, 443.8, 800.0, 2.0); (485941.6, 3739925.6, 443.7, 800.0, 2.0);
(485621.3, 3740251.5, 434.5, 434.5, 2.0); (485943.6, 3739842.8, 444.1, 800.0, 2.0);

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

(485942.0, 3739796.7, 444.7, 811.0, 2.0); (485915.8, 3740153.5, 439.8, 800.0, 2.0);
(485964.5, 3740221.6, 438.5, 800.0, 2.0); (485690.2, 3740369.5, 434.3, 434.3, 2.0);
(485710.3, 3740401.3, 434.5, 434.5, 2.0); (485747.4, 3740462.6, 434.1, 434.1, 2.0);
(485787.5, 3740530.0, 434.0, 434.0, 2.0); (485847.4, 3740607.3, 434.0, 434.0, 2.0);
(485870.5, 3740093.4, 439.8, 800.0, 2.0); (486164.9, 3740527.6, 438.0, 800.0, 2.0);
(486230.3, 3740623.1, 438.0, 800.0, 2.0); (486330.8, 3740777.2, 439.7, 800.0, 2.0);

(486099.6, 3740920.9, 436.0, 436.0, 2.0); (486230.6, 3740573.4, 438.4, 800.0, 2.0);
(486472.3, 3741103.2, 440.0, 440.0, 2.0); (486495.6, 3741156.2, 440.1, 440.1, 2.0);
(486505.7, 3741190.3, 440.0, 440.0, 2.0); (486565.2, 3741320.1, 439.0, 439.0, 2.0);
(486507.2, 3741478.9, 437.6, 765.0, 2.0); (486592.8, 3741437.6, 438.4, 438.4, 2.0);
(486467.5, 3741620.8, 436.2, 817.0, 2.0); (486455.4, 3741644.5, 436.0, 817.0, 2.0);
(486633.2, 3741551.2, 439.0, 765.0, 2.0); (486717.5, 3741579.2, 440.6, 440.6, 2.0);
(486897.7, 3741647.7, 442.0, 442.0, 2.0); (486752.2, 3741648.3, 440.7, 440.7, 2.0);
(487191.5, 3741622.8, 444.8, 444.8, 2.0); (487025.9, 3741639.9, 444.0, 444.0, 2.0);
(487133.3, 3741576.5, 445.3, 445.3, 2.0); (488012.2, 3743217.0, 442.0, 817.0, 2.0);
(487998.8, 3743333.8, 441.3, 817.0, 2.0); (488029.1, 3743389.4, 441.3, 817.0, 2.0);
(488022.0, 3743408.6, 441.0, 817.0, 2.0); (483362.0, 3743140.4, 470.7, 817.0, 2.0);
(483361.3, 3743154.3, 470.4, 817.0, 2.0); (483360.7, 3743170.7, 469.9, 817.0, 2.0);
(483360.0, 3743171.3, 469.8, 817.0, 2.0); (483361.0, 3743184.2, 469.4, 817.0, 2.0);
(483361.3, 3743200.3, 468.9, 817.0, 2.0); (483362.0, 3743217.4, 468.7, 817.0, 2.0);
(483362.0, 3743230.9, 468.7, 817.0, 2.0); (483362.0, 3743247.9, 468.3, 817.0, 2.0);
(483362.0, 3743261.1, 467.9, 817.0, 2.0); (483363.6, 3743276.9, 467.8, 817.0, 2.0);
(483366.1, 3743297.8, 467.9, 817.0, 2.0); (483342.6, 3743400.5, 466.2, 817.0, 2.0);
(482875.3, 3743418.0, 454.0, 817.0, 2.0); (482893.9, 3743449.0, 454.1, 817.0, 2.0);
(482802.6, 3743396.8, 453.1, 817.0, 2.0); (482881.8, 3743436.5, 454.0, 817.0, 2.0);
(482070.3, 3742959.5, 446.7, 765.0, 2.0); (482359.5, 3742961.8, 454.5, 765.0, 2.0);
(488147.6, 3744011.1, 437.0, 817.0, 2.0); (488355.6, 3743593.9, 444.0, 817.0, 2.0);
(487855.3, 3743109.8, 441.0, 817.0, 2.0); (487831.3, 3743023.5, 440.7, 817.0, 2.0);
(485884.3, 3741909.5, 431.0, 817.0, 2.0); (485820.3, 3741815.9, 431.0, 817.0, 2.0);
(485772.7, 3741740.4, 431.0, 817.0, 2.0); (485707.0, 3741661.6, 431.0, 817.0, 2.0);
(485649.6, 3741582.8, 431.0, 817.0, 2.0); (485579.0, 3741477.8, 431.0, 817.0, 2.0);
(485505.1, 3741362.8, 431.0, 765.0, 2.0); (485441.1, 3741261.1, 431.0, 765.0, 2.0);
(485595.4, 3741187.2, 431.1, 765.0, 2.0); (486002.5, 3741875.0, 432.0, 817.0, 2.0);
(485745.1, 3741113.1, 432.0, 765.0, 2.0); (485695.9, 3741010.1, 432.0, 765.0, 2.0);
(485643.3, 3740916.6, 432.0, 765.0, 2.0); (485574.4, 3740788.5, 432.0, 765.0, 2.0);
(485518.6, 3740660.5, 433.0, 765.0, 2.0); (485431.6, 3740497.9, 433.0, 433.0, 2.0);
(485357.7, 3740369.9, 432.0, 432.0, 2.0); (485292.0, 3740246.8, 432.0, 432.0, 2.0);
(485243.3, 3740149.9, 432.0, 432.0, 2.0); (484701.0, 3740109.8, 430.0, 533.0, 2.0);
(484611.2, 3740109.8, 430.0, 533.0, 2.0); (484525.5, 3740111.8, 430.0, 533.0, 2.0);

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     ( 484424.7, 3740110.8,     430.0,     585.0,       2.0);         ( 484326.9, 3740110.8,
     431.1,     585.0,       2.0);
     ( 484236.1, 3740110.8,     432.0,     585.0,       2.0);         ( 484149.4, 3740109.8,
     432.8,     585.0,       2.0);
     ( 484067.8, 3740108.8,     432.9,     585.0,       2.0);         ( 483983.0, 3740110.8,
     433.9,     585.0,       2.0);
     ( 484306.2, 3740724.7,     457.8,     765.0,       2.0);         ( 484307.1, 3740669.0,
     451.3,     765.0,       2.0);
     ( 484305.4, 3740611.5,     447.8,     765.0,       2.0);         ( 484303.0, 3740549.6,
     444.8,     765.0,       2.0);
     ( 484307.1, 3740473.3,     439.6,     765.0,       2.0);         ( 484305.5, 3740397.7,
     437.2,     765.0,       2.0);
```

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

     ( 484303.8, 3740309.1,     434.4,     585.0,       2.0);         ( 484302.2, 3740233.5,
     432.9,     585.0,       2.0);
     ( 484294.0, 3742079.4,     469.2,     765.0,       2.0);         ( 484294.0, 3742181.3,
     466.6,     817.0,       2.0);
     ( 484290.7, 3742271.6,     465.6,     817.0,       2.0);         ( 484294.0, 3742384.9,
     463.4,     817.0,       2.0);
     ( 484289.0, 3742490.0,     463.7,     817.0,       2.0);         ( 484290.7, 3742596.8,
     463.5,     817.0,       2.0);
     ( 484289.0, 3742711.7,     465.3,     817.0,       2.0);         ( 484272.6, 3742813.5,
     468.8,     817.0,       2.0);
     ( 484251.3, 3742890.7,     474.4,     817.0,       2.0);         ( 483927.7, 3743317.7,
     622.8,     765.0,       2.0);
     ( 485532.6, 3743420.2,     437.9,     817.0,       2.0);         ( 485459.0, 3743418.2,
     440.4,     817.0,       2.0);
     ( 485383.4, 3743416.1,     442.9,     817.0,       2.0);         ( 485290.6, 3743410.1,
     445.0,     817.0,       2.0);
     ( 485192.7, 3743405.0,     447.0,     817.0,       2.0);         ( 485106.0, 3743406.1,
     450.8,     817.0,       2.0);
     ( 485005.1, 3743407.1,     451.2,     817.0,       2.0);         ( 484905.3, 3743410.1,
     456.4,     817.0,       2.0);
     ( 486942.5, 3743532.8,     432.0,     817.0,
     2.0);
```

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

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

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

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,

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5

```
 10 01 01   1 10   56.7  0.087  0.560  0.010  107.   62.     -1.0  0.19   0.61   0.26    0.40
188.    9.1  289.2    5.5
 10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61   0.23    2.70
310.    9.1  290.9    5.5
 10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61   0.22    2.20
357.    9.1  293.1    5.5
 10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61   0.22    2.20
356.    9.1  293.8    5.5
 10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61   0.23    2.20
50.    9.1  294.2    5.5
 10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61   0.27    1.80
53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       10:22:44

                     PAGE  11
 *** 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        , VOL10       , VOL11       ,
                    VOL12       , VOL13       , VOL14       ,
                    VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                    VOL20       , VOL21       , VOL22       ,
                    VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                    VOL28       , VOL29       ,  . . .      ,

                                          *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
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483662.28	3742990.90	6.89065	(11090522)	483660.92
3743037.77	6.82158	(14072802)		
483632.71	3742966.78	6.90552	(11090522)	483627.25
3742954.49	6.80210	(11090522)		
483594.94	3742937.66	6.78356	(15073103)	483590.39
3742925.37	6.75973	(15073103)		
483326.92	3742783.86	6.45120	(10082104)	483322.83
3742801.60	6.47421	(15062422)		
483251.38	3742776.57	6.27318	(10082104)	483477.54
3742955.40	6.81824	(11090522)		
483360.24	3742974.39	6.30970	(11090522)	483306.13
3742974.79	6.09170	(11090522)		
483361.93	3743014.11	6.19403	(11090522)	483093.56
3742973.36	5.02390	(11090522)		
483361.29	3743031.51	6.12975	(11090522)	483359.96
3743046.35	6.08574	(11090522)		
483359.27	3743062.67	6.02748	(16102119)	483358.76
3743077.79	5.95124	(16102119)		
483358.58	3743093.09	5.88690	(14072802)	483358.58
3743108.21	5.82447	(14072802)		
483359.10	3743122.81	5.78123	(14072802)	483219.94
3742777.51	6.18929	(10082104)		
483188.19	3742774.03	6.11358	(10082104)	483154.49
3742774.03	6.06644	(10062520)		
487352.85	3742161.74	1.37990	(15100118)	487594.10
3742883.93	1.26266	(15121924)		
487740.59	3742878.41	1.22673	(15121924)	487781.26
3742945.81	1.20720	(15111523)		
487900.95	3742678.93	1.36116	(10101218)	487832.01
3742515.86	1.36535	(10030218)		
487713.48	3742284.61	1.39320	(11090722)	487751.05
3742334.19	1.38389	(10060220)		
487773.13	3742367.11	1.37175	(10060220)	487208.30
3741773.97	1.52874	(10082522)		
487676.34	3741966.97	1.38400	(15100118)	487659.19
3741865.11	1.36301	(15100118)		
487452.24	3741714.99	1.43177	(15080522)	487492.98
3741728.39	1.41421	(11071722)		
487419.53	3741699.98	1.45857	(15080522)	486863.50
3741608.53	1.64004	(10082420)		
483305.42	3742774.69	6.38636	(10082104)	483252.39
3742826.78	6.37712	(15062422)		
483248.01	3742883.93	6.18218	(15073103)	483271.02
3742977.45	5.92643	(11090522)		
483236.43	3742974.42	5.75510	(11090522)	483204.18
3742969.89	5.59517	(11090522)		
483020.32	3742969.89	4.78249	(11090522)	482990.46
3742969.37	4.63218	(11090522)		
482948.55	3742964.65	4.52042	(11090522)	482511.10
3742964.13	3.17505	(14090721)		
482169.09	3742721.99	3.37977	(10082001)	482205.43
3742635.31	3.81844	(15062422)		
482226.62	3742575.13	3.81000	(10062520)	482236.84
3742526.68	3.81326	(14091921)		
482300.06	3742439.24	4.15442	(11090804)	482300.06
3742368.08	3.92243	(15071721)		
482300.06	3742329.47	3.63775	(15071721)	482300.06
3742219.70	3.39087	(15062421)		
482300.81	3742167.09	3.35007	(16062321)	482291.73
3742092.52	2.97976	(15062421)		
482290.21	3741997.89	2.94149	(15101321)	482287.94
3741884.71	2.71529	(11081820)		
482290.97	3741799.17	2.34863	(11081820)	482896.84
3741725.43	5.04795	(16072820)		
482014.24	3741605.12	1.44738	(10062901)	481759.68
3741616.21	1.13968	(10062901)		

*** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
482220.64	3739522.63	0.95281	(14100721)	480667.03	3738428.48	0.56674	(11082022)
484755.27	3740097.17	2.87451	(16102019)	485120.82	3740097.17	2.05923	(14092319)
485335.35	3739977.14	1.72529	(15062020)	485534.79	3740109.14	1.62754	(15081219)
485966.31	3739987.30	1.86736	(14091422)	485941.65	3739925.65	1.83580	(11082521)
485621.34	3740251.52	1.65957	(15080520)	485943.59	3739842.81	1.81076	(11082521)
485942.02	3739796.70	1.82672	(11082521)	485915.82	3740153.53	1.68970	(15081521)
485964.55	3740221.65	1.64083	(14091419)	485690.25	3740369.51	1.67213	(10082619)
485710.31	3740401.31	1.67805	(10082619)	485747.41	3740462.64	1.65724	(15101507)
485787.54	3740530.03	1.67882	(15101507)	485847.36	3740607.26	1.68469	(15101507)
485870.49	3740093.39	1.68792	(10071620)	486164.92	3740527.57	1.64880	(11082621)
486230.27	3740623.12	1.64297	(10082622)	486330.75	3740777.24	1.65964	(16083119)
486099.57	3740920.88	1.79916	(16083119)	486230.56	3740573.44	1.62593	(10082622)

486472.35	3741103.24	1.67089	(10071421)	486495.56
3741156.19	1.66184	(14072822)		
486505.71	3741190.27	1.66367	(14072822)	486565.19
3741320.10	1.65830	(15082320)		
486507.16	3741478.93	1.65552	(10082124)	486592.75
3741437.59	1.66205	(15082320)		
486467.45	3741620.75	1.69746	(11070604)	486455.41
3741644.54	1.71841	(11070604)		
486633.17	3741551.18	1.66186	(10082124)	486717.51
3741579.21	1.62444	(10082124)		
486897.68	3741647.66	1.61853	(16072221)	486752.18
3741648.28	1.61354	(10082124)		
487191.46	3741622.85	1.59311	(10082022)	487025.90
3741639.92	1.66629	(14091220)		
487133.34	3741576.51	1.71328	(10082022)	488012.16
3743217.05	1.24243	(15111523)		
487998.80	3743333.76	1.18664	(16092818)	488029.09
3743389.44	1.18189	(16092818)		
488021.96	3743408.60	1.18415	(16092818)	483361.96
3743140.42	5.76171	(14072802)		
483361.31	3743154.26	5.70478	(14072802)	483360.67
3743170.68	5.64015	(15091020)		
483360.02	3743171.33	5.63326	(15091020)	483360.99
3743184.20	5.58953	(15091020)		
483361.31	3743200.30	5.52147	(15091020)	483361.96
3743217.36	5.48816	(15091020)		
483361.96	3743230.88	5.47287	(15091020)	483361.96
3743247.94	5.40679	(15091020)		
483361.96	3743261.14	5.33647	(15091020)	483363.57
3743276.91	5.30191	(15091020)		
483366.14	3743297.84	5.28073	(15091020)	483342.64
3743400.52	4.81852	(16091819)		
482875.35	3743417.98	2.69979	(14083119)	482893.91
3743449.04	2.70867	(14083119)		
482802.63	3743396.77	2.58584	(14083119)	482881.79
3743436.54	2.69705	(14083119)		
482070.28	3742959.52	1.53469	(14071420)	482359.49
3742961.75	2.44264	(14090721)		
488147.65	3744011.06	0.99112	(10042019)	488355.64
3743593.90	1.24353	(15090619)		
487855.29	3743109.83	1.22995	(15111523)	487831.34
3743023.47	1.22058	(15111523)		
485884.32	3741909.49	3.07931	(15101507)	485820.30
3741815.92	3.17422	(15101507)		
485772.69	3741740.41	3.22980	(15101507)	485707.03
3741661.61	3.33901	(15101507)		
485649.57	3741582.82	3.41185	(15101507)	485578.98
3741477.76	3.47383	(15101507)		
485505.11	3741362.84	3.51208	(15101507)	485441.09
3741261.06	3.52744	(15101507)		
485595.40	3741187.19	2.87137	(15101507)	486002.51
3741875.02	2.68163	(15101507)		
485745.13	3741113.07	2.40122	(15101507)	485695.88
3741010.14	2.36575	(15101507)		
485643.35	3740916.57	2.34306	(15101507)	485574.40
3740788.52	2.29658	(15101507)		

*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
485518.59	3740660.47	2.21624	(15101507)	485431.58	3740497.94	2.12534	(15101507)
485357.70	3740369.90	2.04441	(15101507)	485292.04	3740246.77	1.94337	(15101507)
485243.34	3740149.91	1.93450	(15062020)	484700.97	3740109.82	3.10442	(11090621)
484611.23	3740109.82	3.46382	(11090621)	484525.52	3740111.83	3.89725	(10092420)
484424.69	3740110.82	4.10513	(14091319)	484326.88	3740110.82	3.98991	(14042920)
484236.14	3740110.82	3.75352	(15051418)	484149.42	3740109.82	3.19020	(10092619)
484067.75	3740108.81	2.88244	(10092619)	483983.05	3740110.82	2.61081	(10092619)
484306.22	3740724.68	11.06064	(14073121)	484307.08	3740668.97	10.12165	(14072802)
484305.37	3740611.54	9.59284	(11082922)	484303.01	3740549.61	8.45722	(11010316)
484307.10	3740473.28	7.66842	(15101507)	484305.46	3740397.74	7.71530	(11010316)
484303.82	3740309.06	6.79653	(11010316)	484302.18	3740233.51	5.48998	(15051418)
484293.97	3742079.44	16.96554	(16072421)	484293.97	3742181.26	16.04339	(10092621)
484290.68	3742271.59	15.95264	(10092621)	484293.96	3742384.90	15.85974	(16083019)
484289.04	3742490.01	15.32710	(16072820)	484290.68	3742596.76	15.35405	(14090720)
484289.04	3742711.72	13.85355	(14090620)	484272.62	3742813.54	15.11878	(15062421)
484251.27	3742890.73	13.56542	(11090522)	483927.74	3743317.73	5.43053	(10060619)
485532.63	3743420.18	8.21937	(14041207)	485459.00	3743418.16	9.03175	(11082722)
485383.36	3743416.14	10.73431	(16031519)	485290.56	3743410.09	11.48393	(14041207)
485192.73	3743405.05	14.03974	(16092719)	485105.99	3743406.06	15.53563	(16092719)
485005.14	3743407.07	13.54624	(15072721)	484905.29	3743410.09	14.05864	(16092719)
486942.50	3743532.82	1.45825	(15110220)				

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGH VALUE IS	16.96554	ON 16072421: AT (484293.97, 3742079.44, 469.17, 765.00, 2.00)	DC	

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

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

******** WARNING MESSAGES ********

ME W186	155	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	155	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	2 year gap

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

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/3/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Ops WO MCP\13265 Ops
PM10\13265 Ops PM10.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_10
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Ops PM10.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484569.459  3740634.269      436.290
   LOCATION VOL4         VOLUME     484593.056  3740854.507      440.230
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484500.152  3741156.187      463.110
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
```

```
   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485209.682  3742638.493      432.000
** Source Parameters **
   SRCPARAM VOL1         0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL2         0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL3         0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL4         0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL5         0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL6         0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL7         0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL8         0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL10        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL11        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL12        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL13        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL14        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL15        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL16        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL17        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL18        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL19        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL20        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL21        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL22        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL23        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL24        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL25        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL26        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL27        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL28        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL29        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL30        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL31        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL33        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL34        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL35        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL36        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL37        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL38        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL39        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL40        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL41        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL42        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL43        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL44        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL45        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL46        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL47        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL48        0.0036791381     5.000    50.305     1.400
   URBANSRC ALL
   SRCGROUP ALL
```

```
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Ops PM10.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "13265 OPS PM10.AD\24H1GALL.PLT" 31
   SUMMFILE "13265 Ops PM10.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/3/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Ops WO MCP\13265 Ops
PM10\13265 Ops PM10.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_10
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Ops PM10.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484569.459  3740634.269      436.290
   LOCATION VOL4         VOLUME     484593.056  3740854.507      440.230
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484500.152  3741156.187      463.110
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
```

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   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485209.682  3742638.493      432.000
** Source Parameters **
   SRCPARAM VOL1         0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL2         0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL3         0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL4         0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL5         0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL6         0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL7         0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL8         0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL10        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL11        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL12        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL13        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL14        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL15        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL16        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL17        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL18        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL19        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL20        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL21        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL22        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL23        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL24        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL25        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL26        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL27        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL28        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL29        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL30        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL31        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL33        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL34        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL35        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL36        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL37        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL38        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL39        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL40        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL41        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL42        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL43        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL44        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL45        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL46        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL47        0.0036791381     5.000    50.305     1.400
   SRCPARAM VOL48        0.0036791381     5.000    50.305     1.400
   URBANSRC ALL
```

```
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Ops PM10.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "13265 OPS PM10.AD\24H1GALL.PLT" 31
   SUMMFILE "13265 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     155       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     155       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       10:31:01
```

*** 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 46 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: 46 Source(s); 1 Source Group(s); and 201 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 46 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) = 442.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

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

**Detailed Error/Message File: 13265 Ops
PM10.err
**File for Summary of Results: 13265 Ops
PM10.sum
FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\ *** 05/03/23
*** AERMET - VERSION 16216 ***
*** *** 10:31:01

PAGE 2
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
VOL1	0	0.36791E-02	484430.8	3740413.0	434.6	5.00	50.30	1.40	YES
VOL2	0	0.36791E-02	484431.8	3740634.3	442.9	5.00	50.30	1.40	YES
VOL3	0	0.36791E-02	484569.5	3740634.3	436.3	5.00	50.30	1.40	YES
VOL4	0	0.36791E-02	484593.1	3740854.5	440.2	5.00	50.30	1.40	YES
VOL5	0	0.36791E-02	484604.9	3741070.8	448.3	5.00	50.30	1.40	YES
VOL6	0	0.36791E-02	484500.2	3741156.2	463.1	5.00	50.30	1.40	YES
VOL7	0	0.36791E-02	484433.8	3741291.0	468.5	5.00	50.30	1.40	YES
VOL8	0	0.36791E-02	484618.6	3741291.0	453.1	5.00	50.30	1.40	YES
VOL10	0	0.36791E-02	484435.7	3741505.4	465.8	5.00	50.30	1.40	YES
VOL11	0	0.36791E-02	484626.5	3741507.4	449.9	5.00	50.30	1.40	YES
VOL12	0	0.36791E-02	484733.4	3741510.5	442.6	5.00	50.30	1.40	YES
VOL13	0	0.36791E-02	484433.8	3741727.6	465.1	5.00	50.30	1.40	YES
VOL14	0	0.36791E-02	484652.0	3741727.6	445.5	5.00	50.30	1.40	YES
VOL15	0	0.36791E-02	484870.3	3741729.6	436.0	5.00	50.30	1.40	YES
VOL16	0	0.36791E-02	484435.7	3741947.8	459.9	5.00	50.30	1.40	YES
VOL17	0	0.36791E-02	484607.2	3741945.9	448.5	5.00	50.30	1.40	YES
VOL18	0	0.36791E-02	484772.0	3741947.8	440.5	5.00	50.30	1.40	YES
VOL19	0	0.36791E-02	484970.2	3741949.8	431.7	5.00	50.30	1.40	YES
VOL20	0	0.36791E-02	484435.7	3742166.1	456.5	5.00	50.30	1.40	

YES
VOL21 0 0.36791E-02 484641.8 3742166.1 447.2 5.00 50.30 1.40
YES
VOL22 0 0.36791E-02 484841.6 3742164.5 439.2 5.00 50.30 1.40
YES
VOL23 0 0.36791E-02 485044.6 3742165.3 431.2 5.00 50.30 1.40
YES
VOL24 0 0.36791E-02 484436.5 3742387.3 456.4 5.00 50.30 1.40
YES
VOL25 0 0.36791E-02 484650.5 3742382.3 447.5 5.00 50.30 1.40
YES
VOL26 0 0.36791E-02 484867.8 3742382.3 439.7 5.00 50.30 1.40
YES
VOL27 0 0.36791E-02 485083.4 3742384.0 431.9 5.00 50.30 1.40
YES
VOL28 0 0.36791E-02 484436.5 3742601.3 456.4 5.00 50.30 1.40
YES
VOL29 0 0.36791E-02 484653.8 3742597.9 449.2 5.00 50.30 1.40
YES
VOL30 0 0.36791E-02 484869.4 3742597.9 442.0 5.00 50.30 1.40
YES
VOL31 0 0.36791E-02 485086.7 3742599.6 434.8 5.00 50.30 1.40
YES
VOL33 0 0.36791E-02 484438.2 3742815.2 461.4 5.00 50.30 1.40
YES
VOL34 0 0.36791E-02 484653.8 3742813.5 453.1 5.00 50.30 1.40
YES
VOL35 0 0.36791E-02 484871.1 3742813.5 444.9 5.00 50.30 1.40
YES
VOL36 0 0.36791E-02 485086.7 3742815.2 439.0 5.00 50.30 1.40
YES
VOL37 0 0.36791E-02 485297.3 3742815.2 433.7 5.00 50.30 1.40
YES
VOL38 0 0.36791E-02 484520.1 3742913.8 459.9 5.00 50.30 1.40
YES
VOL39 0 0.36791E-02 484657.2 3743029.2 456.3 5.00 50.30 1.40
YES
VOL40 0 0.36791E-02 484869.4 3743029.2 448.1 5.00 50.30 1.40
YES
VOL41 0 0.36791E-02 485081.7 3743032.5 443.0 5.00 50.30 1.40
YES
VOL42 0 0.36791E-02 485299.0 3743034.2 438.7 5.00 50.30 1.40
YES

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
VOL43	0	0.36791E-02	485424.4	3742957.3	433.2	5.00	50.30	1.40
YES								
VOL44	0	0.36791E-02	485422.7	3743172.9	437.1	5.00	50.30	1.40

```
 YES
 VOL45           0   0.36791E-02  484844.4 3743194.6   451.9     5.00    50.30     1.40
 YES
 VOL46           0   0.36791E-02  485065.0 3743244.8   447.2     5.00    50.30     1.40
 YES
 VOL47           0   0.36791E-02  485208.7 3743248.1   443.7     5.00    50.30     1.40
 YES
 VOL48           0   0.36791E-02  485209.7 3742638.5   432.0     5.00    50.30     1.40
 YES
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       10:31:01

                     PAGE   4
 *** 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        ,

             VOL10       , VOL11       , VOL12       , VOL13       , VOL14       , VOL15       ,
             VOL16       , VOL17       ,

             VOL18       , VOL19       , VOL20       , VOL21       , VOL22       , VOL23       ,
             VOL24       , VOL25       ,

             VOL26       , VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
             VOL33       , VOL34       ,

             VOL35       , VOL36       , VOL37       , VOL38       , VOL39       , VOL40       ,
             VOL41       , VOL42       ,

             VOL43       , VOL44       , VOL45       , VOL46       , VOL47       , VOL48       ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       10:31:01

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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        ,

             VOL10       , VOL11       , VOL12       , VOL13       , VOL14       , VOL15       ,
             VOL16       , VOL17       ,

             VOL18       , VOL19       , VOL20       , VOL21       , VOL22       , VOL23       ,
             VOL24       , VOL25       ,

             VOL26       , VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
```

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

(483662.3, 3742990.9, 490.5, 817.0, 2.0); (483660.9, 3743037.8, 489.1, 817.0, 2.0);
(483632.7, 3742966.8, 490.2, 817.0, 2.0); (483627.2, 3742954.5, 491.7, 817.0, 2.0);
(483594.9, 3742937.7, 491.3, 817.0, 2.0); (483590.4, 3742925.4, 492.1, 817.0, 2.0);
(483326.9, 3742783.9, 488.8, 765.0, 2.0); (483322.8, 3742801.6, 486.9, 765.0, 2.0);
(483251.4, 3742776.6, 488.3, 765.0, 2.0); (483477.5, 3742955.4, 479.9, 817.0, 2.0);
(483360.2, 3742974.4, 474.4, 817.0, 2.0); (483306.1, 3742974.8, 473.3, 817.0, 2.0);
(483361.9, 3743014.1, 473.1, 817.0, 2.0); (483093.6, 3742973.4, 467.5, 765.0, 2.0);
(483361.3, 3743031.5, 472.7, 817.0, 2.0); (483360.0, 3743046.3, 472.7, 817.0, 2.0);
(483359.3, 3743062.7, 472.4, 817.0, 2.0); (483358.8, 3743077.8, 471.9, 817.0, 2.0);
(483358.6, 3743093.1, 471.4, 817.0, 2.0); (483358.6, 3743108.2, 470.9, 817.0, 2.0);
(483359.1, 3743122.8, 470.6, 817.0, 2.0); (483219.9, 3742777.5, 488.1, 765.0, 2.0);
(483188.2, 3742774.0, 488.1, 765.0, 2.0); (483154.5, 3742774.0, 486.2, 765.0, 2.0);
(487352.8, 3742161.7, 438.6, 817.0, 2.0); (487594.1, 3742883.9, 438.0, 817.0, 2.0);
(487740.6, 3742878.4, 440.0, 817.0, 2.0); (487781.3, 3742945.8, 440.0, 817.0, 2.0);
(487901.0, 3742678.9, 444.0, 817.0, 2.0); (487832.0, 3742515.9, 444.0, 817.0, 2.0);
(487713.5, 3742284.6, 443.8, 817.0, 2.0); (487751.0, 3742334.2, 444.0, 817.0, 2.0);
(487773.1, 3742367.1, 444.0, 817.0, 2.0); (487208.3, 3741774.0, 442.7, 442.7, 2.0);
(487676.3, 3741967.0, 444.0, 444.0, 2.0); (487659.2, 3741865.1, 444.0, 444.0, 2.0);
(487452.2, 3741715.0, 444.0, 444.0, 2.0); (487493.0, 3741728.4, 444.1, 444.1, 2.0);
(487419.5, 3741700.0, 444.2, 444.2, 2.0); (486863.5, 3741608.5, 442.1, 442.1, 2.0);
(483305.4, 3742774.7, 489.4, 765.0, 2.0); (483252.4, 3742826.8, 480.7, 765.0, 2.0);
(483248.0, 3742883.9, 476.5, 765.0, 2.0); (483271.0, 3742977.4, 472.3, 817.0, 2.0);
(483236.4, 3742974.4, 471.3, 817.0, 2.0); (483204.2, 3742969.9, 470.4, 816.0, 2.0);
(483020.3, 3742969.9, 466.9, 765.0, 2.0); (482990.5, 3742969.4, 466.2, 765.0, 2.0);

(482948.5, 3742964.6, 466.0, 765.0, 2.0); (482511.1, 3742964.1, 459.5, 765.0, 2.0);
(482169.1, 3742722.0, 464.6, 765.0, 2.0); (482205.4, 3742635.3, 467.8, 765.0, 2.0);
(482226.6, 3742575.1, 467.5, 765.0, 2.0); (482236.8, 3742526.7, 467.2, 765.0, 2.0);
(482300.1, 3742439.2, 469.5, 765.0, 2.0); (482300.1, 3742368.1, 466.4, 765.0, 2.0);
(482300.1, 3742329.5, 463.9, 765.0, 2.0); (482300.1, 3742219.7, 461.8, 765.0, 2.0);
(482300.8, 3742167.1, 460.9, 765.0, 2.0); (482291.7, 3742092.5, 458.3, 765.0, 2.0);
(482290.2, 3741997.9, 458.0, 765.0, 2.0); (482287.9, 3741884.7, 454.9, 765.0, 2.0);
(482291.0, 3741799.2, 451.2, 765.0, 2.0); (482896.8, 3741725.4, 464.6, 765.0, 2.0);
(482014.2, 3741605.1, 443.9, 765.0, 2.0); (481759.7, 3741616.2, 440.3, 765.0, 2.0);
(481782.5, 3741558.9, 441.0, 765.0, 2.0); (481738.7, 3741497.2, 440.0, 765.0, 2.0);
(482899.2, 3741347.8, 456.0, 765.0, 2.0); (482905.5, 3741318.6, 456.0, 765.0, 2.0);
(483094.8, 3741257.0, 460.7, 765.0, 2.0); (483086.1, 3741104.7, 456.5, 765.0, 2.0);
(483094.0, 3740957.5, 454.9, 765.0, 2.0); (483086.1, 3740568.1, 451.5, 585.0, 2.0);
(483009.2, 3740676.8, 450.0, 585.0, 2.0); (482810.6, 3740169.8, 439.9, 439.9, 2.0);
(482698.8, 3740092.2, 437.7, 437.7, 2.0); (482380.1, 3739846.6, 434.0, 434.0, 2.0);
(482715.4, 3739916.3, 435.3, 435.3, 2.0); (482244.7, 3739706.9, 432.7, 432.7, 2.0);
(482220.6, 3739522.6, 432.0, 432.0, 2.0); (480667.0, 3738428.5, 432.0, 432.0, 2.0);
(484755.3, 3740097.2, 430.0, 533.0, 2.0); (485120.8, 3740097.2, 432.0, 432.0, 2.0);
(485335.3, 3739977.1, 433.0, 433.0, 2.0); (485534.8, 3740109.1, 434.0, 434.0, 2.0);
(485966.3, 3739987.3, 443.8, 800.0, 2.0); (485941.6, 3739925.6, 443.7, 800.0, 2.0);
(485621.3, 3740251.5, 434.5, 434.5, 2.0); (485943.6, 3739842.8, 444.1, 800.0, 2.0);

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

(485942.0, 3739796.7, 444.7, 811.0, 2.0); (485915.8, 3740153.5, 439.8, 800.0, 2.0);
(485964.5, 3740221.6, 438.5, 800.0, 2.0); (485690.2, 3740369.5, 434.3, 434.3, 2.0);
(485710.3, 3740401.3, 434.5, 434.5, 2.0); (485747.4, 3740462.6, 434.1, 434.1, 2.0);
(485787.5, 3740530.0, 434.0, 434.0, 2.0); (485847.4, 3740607.3, 434.0, 434.0, 2.0);
(485870.5, 3740093.4, 439.8, 800.0, 2.0); (486164.9, 3740527.6, 438.0, 800.0, 2.0);
(486230.3, 3740623.1, 438.0, 800.0, 2.0); (486330.8, 3740777.2, 439.7, 800.0, 2.0);

(486099.6, 3740920.9, 436.0, 436.0, 2.0); (486230.6, 3740573.4, 438.4, 800.0, 2.0);
(486472.3, 3741103.2, 440.0, 440.0, 2.0); (486495.6, 3741156.2, 440.1, 440.1, 2.0);
(486505.7, 3741190.3, 440.0, 440.0, 2.0); (486565.2, 3741320.1, 439.0, 439.0, 2.0);
(486507.2, 3741478.9, 437.6, 765.0, 2.0); (486592.8, 3741437.6, 438.4, 438.4, 2.0);
(486467.5, 3741620.8, 436.2, 817.0, 2.0); (486455.4, 3741644.5, 436.0, 817.0, 2.0);
(486633.2, 3741551.2, 439.0, 765.0, 2.0); (486717.5, 3741579.2, 440.6, 440.6, 2.0);
(486897.7, 3741647.7, 442.0, 442.0, 2.0); (486752.2, 3741648.3, 440.7, 440.7, 2.0);
(487191.5, 3741622.8, 444.8, 444.8, 2.0); (487025.9, 3741639.9, 444.0, 444.0, 2.0);
(487133.3, 3741576.5, 445.3, 445.3, 2.0); (488012.2, 3743217.0, 442.0, 817.0, 2.0);
(487998.8, 3743333.8, 441.3, 817.0, 2.0); (488029.1, 3743389.4, 441.3, 817.0, 2.0);
(488022.0, 3743408.6, 441.0, 817.0, 2.0); (483362.0, 3743140.4, 470.7, 817.0, 2.0);
(483361.3, 3743154.3, 470.4, 817.0, 2.0); (483360.7, 3743170.7, 469.9, 817.0, 2.0);
(483360.0, 3743171.3, 469.8, 817.0, 2.0); (483361.0, 3743184.2, 469.4, 817.0, 2.0);
(483361.3, 3743200.3, 468.9, 817.0, 2.0); (483362.0, 3743217.4, 468.7, 817.0, 2.0);
(483362.0, 3743230.9, 468.7, 817.0, 2.0); (483362.0, 3743247.9, 468.3, 817.0, 2.0);
(483362.0, 3743261.1, 467.9, 817.0, 2.0); (483363.6, 3743276.9, 467.8, 817.0, 2.0);
(483366.1, 3743297.8, 467.9, 817.0, 2.0); (483342.6, 3743400.5, 466.2, 817.0, 2.0);
(482875.3, 3743418.0, 454.0, 817.0, 2.0); (482893.9, 3743449.0, 454.1, 817.0, 2.0);
(482802.6, 3743396.8, 453.1, 817.0, 2.0); (482881.8, 3743436.5, 454.0, 817.0, 2.0);
(482070.3, 3742959.5, 446.7, 765.0, 2.0); (482359.5, 3742961.8, 454.5, 765.0, 2.0);
(488147.6, 3744011.1, 437.0, 817.0, 2.0); (488355.6, 3743593.9, 444.0, 817.0, 2.0);
(487855.3, 3743109.8, 441.0, 817.0, 2.0); (487831.3, 3743023.5, 440.7, 817.0, 2.0);
(485884.3, 3741909.5, 431.0, 817.0, 2.0); (485820.3, 3741815.9, 431.0, 817.0, 2.0);
(485772.7, 3741740.4, 431.0, 817.0, 2.0); (485707.0, 3741661.6, 431.0, 817.0, 2.0);
(485649.6, 3741582.8, 431.0, 817.0, 2.0); (485579.0, 3741477.8, 431.0, 817.0, 2.0);
(485505.1, 3741362.8, 431.0, 765.0, 2.0); (485441.1, 3741261.1, 431.0, 765.0, 2.0);
(485595.4, 3741187.2, 431.1, 765.0, 2.0); (486002.5, 3741875.0, 432.0, 817.0, 2.0);
(485745.1, 3741113.1, 432.0, 765.0, 2.0); (485695.9, 3741010.1, 432.0, 765.0, 2.0);
(485643.3, 3740916.6, 432.0, 765.0, 2.0); (485574.4, 3740788.5, 432.0, 765.0, 2.0);
(485518.6, 3740660.5, 433.0, 765.0, 2.0); (485431.6, 3740497.9, 433.0, 433.0, 2.0);
(485357.7, 3740369.9, 432.0, 432.0, 2.0); (485292.0, 3740246.8, 432.0, 432.0, 2.0);
(485243.3, 3740149.9, 432.0, 432.0, 2.0); (484701.0, 3740109.8, 430.0, 533.0, 2.0);
(484611.2, 3740109.8, 430.0, 533.0, 2.0); (484525.5, 3740111.8, 430.0, 533.0, 2.0);

```
     ( 484424.7, 3740110.8,     430.0,     585.0,       2.0);         ( 484326.9, 3740110.8,
     431.1,     585.0,       2.0);
     ( 484236.1, 3740110.8,     432.0,     585.0,       2.0);         ( 484149.4, 3740109.8,
     432.8,     585.0,       2.0);
     ( 484067.8, 3740108.8,     432.9,     585.0,       2.0);         ( 483983.0, 3740110.8,
     433.9,     585.0,       2.0);
     ( 484306.2, 3740724.7,     457.8,     765.0,       2.0);         ( 484307.1, 3740669.0,
     451.3,     765.0,       2.0);
     ( 484305.4, 3740611.5,     447.8,     765.0,       2.0);         ( 484303.0, 3740549.6,
     444.8,     765.0,       2.0);
     ( 484307.1, 3740473.3,     439.6,     765.0,       2.0);         ( 484305.5, 3740397.7,
     437.2,     765.0,       2.0);
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                   ***       10:31:01

                      PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

     ( 484303.8, 3740309.1,     434.4,     585.0,       2.0);         ( 484302.2, 3740233.5,
     432.9,     585.0,       2.0);
     ( 484294.0, 3742079.4,     469.2,     765.0,       2.0);         ( 484294.0, 3742181.3,
     466.6,     817.0,       2.0);
     ( 484290.7, 3742271.6,     465.6,     817.0,       2.0);         ( 484294.0, 3742384.9,
     463.4,     817.0,       2.0);
     ( 484289.0, 3742490.0,     463.7,     817.0,       2.0);         ( 484290.7, 3742596.8,
     463.5,     817.0,       2.0);
     ( 484289.0, 3742711.7,     465.3,     817.0,       2.0);         ( 484272.6, 3742813.5,
     468.8,     817.0,       2.0);
     ( 484251.3, 3742890.7,     474.4,     817.0,       2.0);         ( 483927.7, 3743317.7,
     622.8,     765.0,       2.0);
     ( 485532.6, 3743420.2,     437.9,     817.0,       2.0);         ( 485459.0, 3743418.2,
     440.4,     817.0,       2.0);
     ( 485383.4, 3743416.1,     442.9,     817.0,       2.0);         ( 485290.6, 3743410.1,
     445.0,     817.0,       2.0);
     ( 485192.7, 3743405.0,     447.0,     817.0,       2.0);         ( 485106.0, 3743406.1,
     450.8,     817.0,       2.0);
     ( 485005.1, 3743407.1,     451.2,     817.0,       2.0);         ( 484905.3, 3743410.1,
     456.4,     817.0,       2.0);
     ( 486942.5, 3743532.8,     432.0,     817.0,
     2.0);
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                   ***       10:31:01

                      PAGE   9
 *** 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 1 1   1 1 1 1 1 1 1 1 1
             1   1 1 1 1 1 1 1 1 1 1
             1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1
             1   1 1 1 1 1 1 1 1 1 1
             1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1
             1   1 1 1 1 1 1 1 1 1 1
             1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1
```

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

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

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

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5

```
 10 01 01   1 10   56.7  0.087  0.560  0.010  107.   62.     -1.0  0.19   0.61   0.26    0.40
188.    9.1  289.2    5.5
 10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61   0.23    2.70
310.    9.1  290.9    5.5
 10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61   0.22    2.20
357.    9.1  293.1    5.5
 10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61   0.22    2.20
356.    9.1  293.8    5.5
 10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61   0.23    2.20
50.    9.1  294.2    5.5
 10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61   0.27    1.80
53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       10:31:01

                     PAGE  11
 *** 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        , VOL10       , VOL11       ,
                  VOL12       , VOL13       , VOL14       ,
                  VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                  VOL20       , VOL21       , VOL22       ,
                  VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                  VOL28       , VOL29       ,  . . .      ,

                                          *** 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
      (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
```

483662.28 3742990.90 0.30347 (14113024) 483660.92
3743037.77 0.30911 (15031824)
483632.71 3742966.78 0.29310 (14113024) 483627.25
3742954.49 0.28891 (14113024)
483594.94 3742937.66 0.27835 (14113024) 483590.39
3742925.37 0.27542 (14113024)
483326.92 3742783.86 0.20869 (11121224) 483322.83
3742801.60 0.21259 (11121224)
483251.38 3742776.57 0.19790 (14040424) 483477.54
3742955.40 0.26257 (11121224)
483360.24 3742974.39 0.23819 (11121224) 483306.13
3742974.79 0.22603 (11121224)
483361.93 3743014.11 0.23848 (11121224) 483093.56
3742973.36 0.17718 (11121224)
483361.29 3743031.51 0.23817 (11121224) 483359.96
3743046.35 0.23799 (11121224)
483359.27 3743062.67 0.23772 (11121224) 483358.76
3743077.79 0.23710 (11121224)
483358.58 3743093.09 0.23613 (11121224) 483358.58
3743108.21 0.23537 (11121224)
483359.10 3743122.81 0.23501 (11121224) 483219.94
3742777.51 0.19420 (14040424)
483188.19 3742774.03 0.19025 (14040424) 483154.49
3742774.03 0.18727 (14040424)
487352.85 3742161.74 0.08063c (14121524) 487594.10
3742883.93 0.06850c (14121524)
487740.59 3742878.41 0.06324c (14121524) 487781.26
3742945.81 0.06151c (14121524)
487900.95 3742678.93 0.05959c (14121524) 487832.01
3742515.86 0.06284c (14121524)
487713.48 3742284.61 0.06780c (14121524) 487751.05
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487773.13 3742367.11 0.06557c (14121524) 487208.30
3741773.97 0.08886m (16031424)
487676.34 3741966.97 0.06871c (14121524) 487659.19
3741865.11 0.06878c (14121524)
487452.24 3741714.99 0.07683m (16031424) 487492.98
3741728.39 0.07500m (16031424)
487419.53 3741699.98 0.07849m (16031424) 486863.50
3741608.53 0.10836m (16031424)
483305.42 3742774.69 0.20377 (14040424) 483252.39
3742826.78 0.20867 (11121224)
483248.01 3742883.93 0.21243 (11121224) 483271.02
3742977.45 0.21802 (11121224)
483236.43 3742974.42 0.20947 (11121224) 483204.18
3742969.89 0.20184 (11121224)
483020.32 3742969.89 0.16562 (14040424) 482990.46
3742969.37 0.16073 (14040424)
482948.55 3742964.65 0.15561 (14040424) 482511.10
3742964.13 0.10613 (14040424)
482169.09 3742721.99 0.09586 (14040424) 482205.43
3742635.31 0.09972 (14040424)
482226.62 3742575.13 0.09938 (11010224) 482236.84
3742526.68 0.10089 (11010224)
482300.06 3742439.24 0.10762 (11010224) 482300.06
3742368.08 0.10870 (11010224)
482300.06 3742329.47 0.10742 (11010224) 482300.06
3742219.70 0.10842 (11010224)
482300.81 3742167.09 0.10954 (11010224) 482291.73
3742092.52 0.10501 (11010224)
482290.21 3741997.89 0.10797 (11010224) 482287.94
3741884.71 0.10680 (11010224)
482290.97 3741799.17 0.09985 (11010224) 482896.84
3741725.43 0.17800 (11010224)
482014.24 3741605.12 0.07687c (14120324) 481759.68
3741616.21 0.06412c (14120324)

*** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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 (M)	CONC	(YYMMDDHH)
481782.49	3741558.89	0.06531c	(14120324)	481738.72	3741497.25	0.06327c	(14120324)
482899.19	3741347.84	0.14911	(11010224)	482905.50	3741318.60	0.14841	(11010224)
483094.76	3741256.97	0.17483	(11010224)	483086.06	3741104.69	0.15657	(11010224)
483094.04	3740957.48	0.14389	(11010224)	483086.06	3740568.07	0.12282	(14111824)
483009.20	3740676.84	0.11636	(11010224)	482810.58	3740169.82	0.08033	(14122324)
482698.82	3740092.19	0.07368	(14122324)	482380.08	3739846.62	0.05847	(14122324)
482715.43	3739916.28	0.07294	(14122324)	482244.68	3739706.94	0.05361	(14122324)
482220.64	3739522.63	0.05238	(14122324)	480667.03	3738428.48	0.02581	(16011524)
484755.27	3740097.17	0.20965	(14120824)	485120.82	3740097.17	0.15913	(14120824)
485335.35	3739977.14	0.12717	(14120824)	485534.79	3740109.14	0.12446c	(14012224)
485966.31	3739987.30	0.13365	(15112924)	485941.65	3739925.65	0.13272	(15112924)
485621.34	3740251.52	0.12967c	(14012224)	485943.59	3739842.81	0.13023	(15112924)
485942.02	3739796.70	0.13037	(15112924)	485915.82	3740153.53	0.11792	(15112924)
485964.55	3740221.65	0.11224	(15112924)	485690.25	3740369.51	0.13335c	(14012224)
485710.31	3740401.31	0.13412c	(14012224)	485747.41	3740462.64	0.13549c	(14121524)
485787.54	3740530.03	0.13723c	(14121524)	485847.36	3740607.26	0.13818b	(14111524)
485870.49	3740093.39	0.11895	(15112924)	486164.92	3740527.57	0.11416c	(14010324)
486230.27	3740623.12	0.11529b	(14111524)	486330.75	3740777.24	0.11874b	(14111524)
486099.57	3740920.88	0.13942b	(14111524)	486230.56	3740573.44	0.11303b	(14111524)

486472.35	3741103.24	0.12099b	(14111524)	486495.56
3741156.19	0.12087b	(14111524)		
486505.71	3741190.27	0.12108b	(14111524)	486565.19
3741320.10	0.12014m	(16031424)		
486507.16	3741478.93	0.12981m	(16031424)	486592.75
3741437.59	0.12195m	(16031424)		
486467.45	3741620.75	0.13760m	(16031424)	486455.41
3741644.54	0.13945m	(16031424)		
486633.17	3741551.18	0.12238m	(16031424)	486717.51
3741579.21	0.11699m	(16031424)		
486897.68	3741647.66	0.10675m	(16031424)	486752.18
3741648.28	0.11599m	(16031424)		
487191.46	3741622.85	0.09001m	(16031424)	487025.90
3741639.92	0.09932m	(16031424)		
487133.34	3741576.51	0.09317m	(16031424)	488012.16
3743217.05	0.05318c	(14121524)		
487998.80	3743333.76	0.05283c	(14121524)	488029.09
3743389.44	0.05172c	(14121524)		
488021.96	3743408.60	0.05178c	(14121524)	483361.96
3743140.42	0.23555	(11121224)		
483361.31	3743154.26	0.23475	(11121224)	483360.67
3743170.68	0.23333	(11121224)		
483360.02	3743171.33	0.23310	(11121224)	483360.99
3743184.20	0.23234	(11121224)		
483361.31	3743200.30	0.23109m	(10042324)	483361.96
3743217.36	0.23045m	(10042324)		
483361.96	3743230.88	0.23032m	(10042324)	483361.96
3743247.94	0.22936m	(10042324)		
483361.96	3743261.14	0.22789m	(10042324)	483363.57
3743276.91	0.22751m	(10042324)		
483366.14	3743297.84	0.22746m	(10042324)	483342.64
3743400.52	0.21446m	(10042324)		
482875.35	3743417.98	0.12173	(11121224)	482893.91
3743449.04	0.12341	(11121224)		
482802.63	3743396.77	0.11342	(11121224)	482881.79
3743436.54	0.12213	(11121224)		
482070.28	3742959.52	0.07008c	(14121524)	482359.49
3742961.75	0.08832	(14040424)		
488147.65	3744011.06	0.04502c	(15120424)	488355.64
3743593.90	0.04510c	(15111524)		
487855.29	3743109.83	0.05816c	(14121524)	487831.34
3743023.47	0.05943c	(14121524)		
485884.32	3741909.49	0.25161m	(16031424)	485820.30
3741815.92	0.25930m	(16031424)		
485772.69	3741740.41	0.26380m	(16031424)	485707.03
3741661.61	0.27264m	(16031424)		
485649.57	3741582.82	0.27850m	(16031424)	485578.98
3741477.76	0.28339m	(16031424)		
485505.11	3741362.84	0.28626m	(16031424)	485441.09
3741261.06	0.28726m	(16031424)		
485595.40	3741187.19	0.23420m	(16031424)	486002.51
3741875.02	0.21940m	(16031424)		
485745.13	3741113.07	0.19616m	(16031424)	485695.88
3741010.14	0.19311m	(16031424)		
485643.35	3740916.57	0.19109m	(16031424)	485574.40
3740788.52	0.18711m	(16031424)		

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***

INCLUDING SOURCE(S): VOL1 , VOL2 ,
VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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 (M)	CONC	(YYMMDDHH)
485518.59	3740660.47	0.18042m	(16031424)	485431.58	3740497.94	0.17308c	(14121524)
485357.70	3740369.90	0.16659c	(14121524)	485292.04	3740246.77	0.15856m	(15020724)
485243.34	3740149.91	0.15211m	(15020724)	484700.97	3740109.82	0.22273	(14120824)
484611.23	3740109.82	0.23976c	(14012024)	484525.52	3740111.83	0.25259c	(14012024)
484424.69	3740110.82	0.24959	(14011524)	484326.88	3740110.82	0.23452	(15011124)
484236.14	3740110.82	0.21644	(15011124)	484149.42	3740109.82	0.19648	(14122324)
484067.75	3740108.81	0.18294	(14122324)	483983.05	3740110.82	0.16993	(14122324)
484306.22	3740724.68	0.62910	(16011524)	484307.08	3740668.97	0.70430	(16011524)
484305.37	3740611.54	0.72846c	(14120324)	484303.01	3740549.61	0.68279	(16011524)
484307.10	3740473.28	0.64155c	(14121524)	484305.46	3740397.74	0.60453c	(14121524)
484303.82	3740309.06	0.43402c	(15121824)	484302.18	3740233.51	0.32330	(15011124)
484293.97	3742079.44	0.98401c	(14120324)	484293.97	3742181.26	1.03159c	(14120324)
484290.68	3742271.59	1.00813c	(14120324)	484293.96	3742384.90	1.08254c	(14120324)
484289.04	3742490.01	1.03151c	(14120324)	484290.68	3742596.76	1.06672c	(14120324)
484289.04	3742711.72	1.05084	(16011524)	484272.62	3742813.54	0.97958c	(14120324)
484251.27	3742890.73	0.87211m	(10121824)	483927.74	3743317.73	0.33492	(15031824)
485532.63	3743420.18	0.46469	(14121724)	485459.00	3743418.16	0.59164	(10021924)
485383.36	3743416.14	0.68198	(15022824)	485290.56	3743410.09	0.79214	(11111924)
485192.73	3743405.05	0.96356	(14113024)	485105.99	3743406.06	1.05094c	(10121724)
485005.14	3743407.07	0.98613c	(10121724)	484905.29	3743410.09	0.94464	(14113024)
486942.50	3743532.82	0.09144c	(14121524)				

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

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	1.08254c ON 14120324:	AT (484293.96, 3742384.90, 463.41, 817.00, 2.00)	DC	

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

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

******** WARNING MESSAGES ********

ME W186	155	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	155	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	2 year gap

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

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/3/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Ops WO MCP\13265 Ops
PM25\13265 Ops PM25.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_2.5
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Ops PM25.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484569.459  3740634.269      436.290
   LOCATION VOL4         VOLUME     484593.056  3740854.507      440.230
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484500.152  3741156.187      463.110
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
```

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   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485209.682  3742638.493      432.000
** Source Parameters **
   SRCPARAM VOL1         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL2         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL3         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL4         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL5         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL6         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL7         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL8         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL10        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL11        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL12        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL13        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL14        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL15        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL16        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL17        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL18        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL19        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL20        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL21        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL22        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL23        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL24        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL25        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL26        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL27        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL28        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL29        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL30        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL31        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL33        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL34        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL35        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL36        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL37        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL38        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL39        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL40        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL41        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL42        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL43        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL44        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL45        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL46        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL47        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL48        0.0016001731     5.000    50.305     1.400
   URBANSRC ALL
   SRCGROUP ALL
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```
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Ops PM25.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "13265 OPS PM25.AD\24H1GALL.PLT" 31
   SUMMFILE "13265 Ops PM25.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/3/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Ops WO MCP\13265 Ops
PM25\13265 Ops PM25.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_2.5
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Ops PM25.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484569.459  3740634.269      436.290
   LOCATION VOL4         VOLUME     484593.056  3740854.507      440.230
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484500.152  3741156.187      463.110
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
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   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485209.682  3742638.493      432.000
** Source Parameters **
   SRCPARAM VOL1         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL2         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL3         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL4         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL5         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL6         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL7         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL8         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL10        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL11        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL12        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL13        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL14        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL15        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL16        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL17        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL18        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL19        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL20        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL21        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL22        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL23        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL24        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL25        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL26        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL27        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL28        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL29        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL30        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL31        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL33        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL34        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL35        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL36        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL37        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL38        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL39        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL40        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL41        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL42        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL43        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL44        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL45        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL46        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL47        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL48        0.0016001731     5.000    50.305     1.400
   URBANSRC ALL
```

```
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Ops PM25.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "13265 OPS PM25.AD\24H1GALL.PLT" 31
   SUMMFILE "13265 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     155       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     155       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:02:01
```

*** 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 46 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: 46 Source(s); 1 Source Group(s); and 201 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 46 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) = 442.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

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

**Detailed Error/Message File: 13265 Ops
PM25.err
**File for Summary of Results: 13265 Ops
PM25.sum
FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\ *** 05/03/23
*** AERMET - VERSION 16216 ***
*** *** 11:02:01

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
VOL1	0	0.16002E-02	484430.8	3740413.0	434.6	5.00	50.30	1.40	YES
VOL2	0	0.16002E-02	484431.8	3740634.3	442.9	5.00	50.30	1.40	YES
VOL3	0	0.16002E-02	484569.5	3740634.3	436.3	5.00	50.30	1.40	YES
VOL4	0	0.16002E-02	484593.1	3740854.5	440.2	5.00	50.30	1.40	YES
VOL5	0	0.16002E-02	484604.9	3741070.8	448.3	5.00	50.30	1.40	YES
VOL6	0	0.16002E-02	484500.2	3741156.2	463.1	5.00	50.30	1.40	YES
VOL7	0	0.16002E-02	484433.8	3741291.0	468.5	5.00	50.30	1.40	YES
VOL8	0	0.16002E-02	484618.6	3741291.0	453.1	5.00	50.30	1.40	YES
VOL10	0	0.16002E-02	484435.7	3741505.4	465.8	5.00	50.30	1.40	YES
VOL11	0	0.16002E-02	484626.5	3741507.4	449.9	5.00	50.30	1.40	YES
VOL12	0	0.16002E-02	484733.4	3741510.5	442.6	5.00	50.30	1.40	YES
VOL13	0	0.16002E-02	484433.8	3741727.6	465.1	5.00	50.30	1.40	YES
VOL14	0	0.16002E-02	484652.0	3741727.6	445.5	5.00	50.30	1.40	YES
VOL15	0	0.16002E-02	484870.3	3741729.6	436.0	5.00	50.30	1.40	YES
VOL16	0	0.16002E-02	484435.7	3741947.8	459.9	5.00	50.30	1.40	YES
VOL17	0	0.16002E-02	484607.2	3741945.9	448.5	5.00	50.30	1.40	YES
VOL18	0	0.16002E-02	484772.0	3741947.8	440.5	5.00	50.30	1.40	YES
VOL19	0	0.16002E-02	484970.2	3741949.8	431.7	5.00	50.30	1.40	YES
VOL20	0	0.16002E-02	484435.7	3742166.1	456.5	5.00	50.30	1.40	

YES
VOL21 0 0.16002E-02 484641.8 3742166.1 447.2 5.00 50.30 1.40
YES
VOL22 0 0.16002E-02 484841.6 3742164.5 439.2 5.00 50.30 1.40
YES
VOL23 0 0.16002E-02 485044.6 3742165.3 431.2 5.00 50.30 1.40
YES
VOL24 0 0.16002E-02 484436.5 3742387.3 456.4 5.00 50.30 1.40
YES
VOL25 0 0.16002E-02 484650.5 3742382.3 447.5 5.00 50.30 1.40
YES
VOL26 0 0.16002E-02 484867.8 3742382.3 439.7 5.00 50.30 1.40
YES
VOL27 0 0.16002E-02 485083.4 3742384.0 431.9 5.00 50.30 1.40
YES
VOL28 0 0.16002E-02 484436.5 3742601.3 456.4 5.00 50.30 1.40
YES
VOL29 0 0.16002E-02 484653.8 3742597.9 449.2 5.00 50.30 1.40
YES
VOL30 0 0.16002E-02 484869.4 3742597.9 442.0 5.00 50.30 1.40
YES
VOL31 0 0.16002E-02 485086.7 3742599.6 434.8 5.00 50.30 1.40
YES
VOL33 0 0.16002E-02 484438.2 3742815.2 461.4 5.00 50.30 1.40
YES
VOL34 0 0.16002E-02 484653.8 3742813.5 453.1 5.00 50.30 1.40
YES
VOL35 0 0.16002E-02 484871.1 3742813.5 444.9 5.00 50.30 1.40
YES
VOL36 0 0.16002E-02 485086.7 3742815.2 439.0 5.00 50.30 1.40
YES
VOL37 0 0.16002E-02 485297.3 3742815.2 433.7 5.00 50.30 1.40
YES
VOL38 0 0.16002E-02 484520.1 3742913.8 459.9 5.00 50.30 1.40
YES
VOL39 0 0.16002E-02 484657.2 3743029.2 456.3 5.00 50.30 1.40
YES
VOL40 0 0.16002E-02 484869.4 3743029.2 448.1 5.00 50.30 1.40
YES
VOL41 0 0.16002E-02 485081.7 3743032.5 443.0 5.00 50.30 1.40
YES
VOL42 0 0.16002E-02 485299.0 3743034.2 438.7 5.00 50.30 1.40
YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
VOL43	0	0.16002E-02	485424.4	3742957.3	433.2	5.00	50.30	1.40
YES								
VOL44	0	0.16002E-02	485422.7	3743172.9	437.1	5.00	50.30	1.40

```
 YES
 VOL45           0   0.16002E-02  484844.4 3743194.6   451.9     5.00    50.30     1.40
 YES
 VOL46           0   0.16002E-02  485065.0 3743244.8   447.2     5.00    50.30     1.40
 YES
 VOL47           0   0.16002E-02  485208.7 3743248.1   443.7     5.00    50.30     1.40
 YES
 VOL48           0   0.16002E-02  485209.7 3742638.5   432.0     5.00    50.30     1.40
 YES
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:02:01

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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        ,

             VOL10       , VOL11       , VOL12       , VOL13       , VOL14       , VOL15       ,
             VOL16       , VOL17       ,

             VOL18       , VOL19       , VOL20       , VOL21       , VOL22       , VOL23       ,
             VOL24       , VOL25       ,

             VOL26       , VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
             VOL33       , VOL34       ,

             VOL35       , VOL36       , VOL37       , VOL38       , VOL39       , VOL40       ,
             VOL41       , VOL42       ,

             VOL43       , VOL44       , VOL45       , VOL46       , VOL47       , VOL48       ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:02:01

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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        ,

             VOL10       , VOL11       , VOL12       , VOL13       , VOL14       , VOL15       ,
             VOL16       , VOL17       ,

             VOL18       , VOL19       , VOL20       , VOL21       , VOL22       , VOL23       ,
             VOL24       , VOL25       ,

             VOL26       , VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
```

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

(483662.3, 3742990.9, 490.5, 817.0, 2.0); (483660.9, 3743037.8, 489.1, 817.0, 2.0);
(483632.7, 3742966.8, 490.2, 817.0, 2.0); (483627.2, 3742954.5, 491.7, 817.0, 2.0);
(483594.9, 3742937.7, 491.3, 817.0, 2.0); (483590.4, 3742925.4, 492.1, 817.0, 2.0);
(483326.9, 3742783.9, 488.8, 765.0, 2.0); (483322.8, 3742801.6, 486.9, 765.0, 2.0);
(483251.4, 3742776.6, 488.3, 765.0, 2.0); (483477.5, 3742955.4, 479.9, 817.0, 2.0);
(483360.2, 3742974.4, 474.4, 817.0, 2.0); (483306.1, 3742974.8, 473.3, 817.0, 2.0);
(483361.9, 3743014.1, 473.1, 817.0, 2.0); (483093.6, 3742973.4, 467.5, 765.0, 2.0);
(483361.3, 3743031.5, 472.7, 817.0, 2.0); (483360.0, 3743046.3, 472.7, 817.0, 2.0);
(483359.3, 3743062.7, 472.4, 817.0, 2.0); (483358.8, 3743077.8, 471.9, 817.0, 2.0);
(483358.6, 3743093.1, 471.4, 817.0, 2.0); (483358.6, 3743108.2, 470.9, 817.0, 2.0);
(483359.1, 3743122.8, 470.6, 817.0, 2.0); (483219.9, 3742777.5, 488.1, 765.0, 2.0);
(483188.2, 3742774.0, 488.1, 765.0, 2.0); (483154.5, 3742774.0, 486.2, 765.0, 2.0);
(487352.8, 3742161.7, 438.6, 817.0, 2.0); (487594.1, 3742883.9, 438.0, 817.0, 2.0);
(487740.6, 3742878.4, 440.0, 817.0, 2.0); (487781.3, 3742945.8, 440.0, 817.0, 2.0);
(487901.0, 3742678.9, 444.0, 817.0, 2.0); (487832.0, 3742515.9, 444.0, 817.0, 2.0);
(487713.5, 3742284.6, 443.8, 817.0, 2.0); (487751.0, 3742334.2, 444.0, 817.0, 2.0);
(487773.1, 3742367.1, 444.0, 817.0, 2.0); (487208.3, 3741774.0, 442.7, 442.7, 2.0);
(487676.3, 3741967.0, 444.0, 444.0, 2.0); (487659.2, 3741865.1, 444.0, 444.0, 2.0);
(487452.2, 3741715.0, 444.0, 444.0, 2.0); (487493.0, 3741728.4, 444.1, 444.1, 2.0);
(487419.5, 3741700.0, 444.2, 444.2, 2.0); (486863.5, 3741608.5, 442.1, 442.1, 2.0);
(483305.4, 3742774.7, 489.4, 765.0, 2.0); (483252.4, 3742826.8, 480.7, 765.0, 2.0);
(483248.0, 3742883.9, 476.5, 765.0, 2.0); (483271.0, 3742977.4, 472.3, 817.0, 2.0);
(483236.4, 3742974.4, 471.3, 817.0, 2.0); (483204.2, 3742969.9, 470.4, 816.0, 2.0);
(483020.3, 3742969.9, 466.9, 765.0, 2.0); (482990.5, 3742969.4, 466.2, 765.0, 2.0);

(482948.5, 3742964.6, 466.0, 765.0, 2.0); (482511.1, 3742964.1, 459.5, 765.0, 2.0);
(482169.1, 3742722.0, 464.6, 765.0, 2.0); (482205.4, 3742635.3, 467.8, 765.0, 2.0);
(482226.6, 3742575.1, 467.5, 765.0, 2.0); (482236.8, 3742526.7, 467.2, 765.0, 2.0);
(482300.1, 3742439.2, 469.5, 765.0, 2.0); (482300.1, 3742368.1, 466.4, 765.0, 2.0);
(482300.1, 3742329.5, 463.9, 765.0, 2.0); (482300.1, 3742219.7, 461.8, 765.0, 2.0);
(482300.8, 3742167.1, 460.9, 765.0, 2.0); (482291.7, 3742092.5, 458.3, 765.0, 2.0);
(482290.2, 3741997.9, 458.0, 765.0, 2.0); (482287.9, 3741884.7, 454.9, 765.0, 2.0);
(482291.0, 3741799.2, 451.2, 765.0, 2.0); (482896.8, 3741725.4, 464.6, 765.0, 2.0);
(482014.2, 3741605.1, 443.9, 765.0, 2.0); (481759.7, 3741616.2, 440.3, 765.0, 2.0);
(481782.5, 3741558.9, 441.0, 765.0, 2.0); (481738.7, 3741497.2, 440.0, 765.0, 2.0);
(482899.2, 3741347.8, 456.0, 765.0, 2.0); (482905.5, 3741318.6, 456.0, 765.0, 2.0);
(483094.8, 3741257.0, 460.7, 765.0, 2.0); (483086.1, 3741104.7, 456.5, 765.0, 2.0);
(483094.0, 3740957.5, 454.9, 765.0, 2.0); (483086.1, 3740568.1, 451.5, 585.0, 2.0);
(483009.2, 3740676.8, 450.0, 585.0, 2.0); (482810.6, 3740169.8, 439.9, 439.9, 2.0);
(482698.8, 3740092.2, 437.7, 437.7, 2.0); (482380.1, 3739846.6, 434.0, 434.0, 2.0);
(482715.4, 3739916.3, 435.3, 435.3, 2.0); (482244.7, 3739706.9, 432.7, 432.7, 2.0);
(482220.6, 3739522.6, 432.0, 432.0, 2.0); (480667.0, 3738428.5, 432.0, 432.0, 2.0);
(484755.3, 3740097.2, 430.0, 533.0, 2.0); (485120.8, 3740097.2, 432.0, 432.0, 2.0);
(485335.3, 3739977.1, 433.0, 433.0, 2.0); (485534.8, 3740109.1, 434.0, 434.0, 2.0);
(485966.3, 3739987.3, 443.8, 800.0, 2.0); (485941.6, 3739925.6, 443.7, 800.0, 2.0);
(485621.3, 3740251.5, 434.5, 434.5, 2.0); (485943.6, 3739842.8, 444.1, 800.0, 2.0);

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

(485942.0, 3739796.7, 444.7, 811.0, 2.0); (485915.8, 3740153.5, 439.8, 800.0, 2.0);
(485964.5, 3740221.6, 438.5, 800.0, 2.0); (485690.2, 3740369.5, 434.3, 434.3, 2.0);
(485710.3, 3740401.3, 434.5, 434.5, 2.0); (485747.4, 3740462.6, 434.1, 434.1, 2.0);
(485787.5, 3740530.0, 434.0, 434.0, 2.0); (485847.4, 3740607.3, 434.0, 434.0, 2.0);
(485870.5, 3740093.4, 439.8, 800.0, 2.0); (486164.9, 3740527.6, 438.0, 800.0, 2.0);
(486230.3, 3740623.1, 438.0, 800.0, 2.0); (486330.8, 3740777.2, 439.7, 800.0, 2.0);

(486099.6, 3740920.9, 436.0, 436.0, 2.0); (486230.6, 3740573.4, 438.4, 800.0, 2.0);
(486472.3, 3741103.2, 440.0, 440.0, 2.0); (486495.6, 3741156.2, 440.1, 440.1, 2.0);
(486505.7, 3741190.3, 440.0, 440.0, 2.0); (486565.2, 3741320.1, 439.0, 439.0, 2.0);
(486507.2, 3741478.9, 437.6, 765.0, 2.0); (486592.8, 3741437.6, 438.4, 438.4, 2.0);
(486467.5, 3741620.8, 436.2, 817.0, 2.0); (486455.4, 3741644.5, 436.0, 817.0, 2.0);
(486633.2, 3741551.2, 439.0, 765.0, 2.0); (486717.5, 3741579.2, 440.6, 440.6, 2.0);
(486897.7, 3741647.7, 442.0, 442.0, 2.0); (486752.2, 3741648.3, 440.7, 440.7, 2.0);
(487191.5, 3741622.8, 444.8, 444.8, 2.0); (487025.9, 3741639.9, 444.0, 444.0, 2.0);
(487133.3, 3741576.5, 445.3, 445.3, 2.0); (488012.2, 3743217.0, 442.0, 817.0, 2.0);
(487998.8, 3743333.8, 441.3, 817.0, 2.0); (488029.1, 3743389.4, 441.3, 817.0, 2.0);
(488022.0, 3743408.6, 441.0, 817.0, 2.0); (483362.0, 3743140.4, 470.7, 817.0, 2.0);
(483361.3, 3743154.3, 470.4, 817.0, 2.0); (483360.7, 3743170.7, 469.9, 817.0, 2.0);
(483360.0, 3743171.3, 469.8, 817.0, 2.0); (483361.0, 3743184.2, 469.4, 817.0, 2.0);
(483361.3, 3743200.3, 468.9, 817.0, 2.0); (483362.0, 3743217.4, 468.7, 817.0, 2.0);
(483362.0, 3743230.9, 468.7, 817.0, 2.0); (483362.0, 3743247.9, 468.3, 817.0, 2.0);
(483362.0, 3743261.1, 467.9, 817.0, 2.0); (483363.6, 3743276.9, 467.8, 817.0, 2.0);
(483366.1, 3743297.8, 467.9, 817.0, 2.0); (483342.6, 3743400.5, 466.2, 817.0, 2.0);
(482875.3, 3743418.0, 454.0, 817.0, 2.0); (482893.9, 3743449.0, 454.1, 817.0, 2.0);
(482802.6, 3743396.8, 453.1, 817.0, 2.0); (482881.8, 3743436.5, 454.0, 817.0, 2.0);
(482070.3, 3742959.5, 446.7, 765.0, 2.0); (482359.5, 3742961.8, 454.5, 765.0, 2.0);
(488147.6, 3744011.1, 437.0, 817.0, 2.0); (488355.6, 3743593.9, 444.0, 817.0, 2.0);
(487855.3, 3743109.8, 441.0, 817.0, 2.0); (487831.3, 3743023.5, 440.7, 817.0, 2.0);
(485884.3, 3741909.5, 431.0, 817.0, 2.0); (485820.3, 3741815.9, 431.0, 817.0, 2.0);
(485772.7, 3741740.4, 431.0, 817.0, 2.0); (485707.0, 3741661.6, 431.0, 817.0, 2.0);
(485649.6, 3741582.8, 431.0, 817.0, 2.0); (485579.0, 3741477.8, 431.0, 817.0, 2.0);
(485505.1, 3741362.8, 431.0, 765.0, 2.0); (485441.1, 3741261.1, 431.0, 765.0, 2.0);
(485595.4, 3741187.2, 431.1, 765.0, 2.0); (486002.5, 3741875.0, 432.0, 817.0, 2.0);
(485745.1, 3741113.1, 432.0, 765.0, 2.0); (485695.9, 3741010.1, 432.0, 765.0, 2.0);
(485643.3, 3740916.6, 432.0, 765.0, 2.0); (485574.4, 3740788.5, 432.0, 765.0, 2.0);
(485518.6, 3740660.5, 433.0, 765.0, 2.0); (485431.6, 3740497.9, 433.0, 433.0, 2.0);
(485357.7, 3740369.9, 432.0, 432.0, 2.0); (485292.0, 3740246.8, 432.0, 432.0, 2.0);
(485243.3, 3740149.9, 432.0, 432.0, 2.0); (484701.0, 3740109.8, 430.0, 533.0, 2.0);
(484611.2, 3740109.8, 430.0, 533.0, 2.0); (484525.5, 3740111.8, 430.0, 533.0, 2.0);

```
     ( 484424.7, 3740110.8,     430.0,     585.0,       2.0);         ( 484326.9, 3740110.8,
     431.1,     585.0,       2.0);
     ( 484236.1, 3740110.8,     432.0,     585.0,       2.0);         ( 484149.4, 3740109.8,
     432.8,     585.0,       2.0);
     ( 484067.8, 3740108.8,     432.9,     585.0,       2.0);         ( 483983.0, 3740110.8,
     433.9,     585.0,       2.0);
     ( 484306.2, 3740724.7,     457.8,     765.0,       2.0);         ( 484307.1, 3740669.0,
     451.3,     765.0,       2.0);
     ( 484305.4, 3740611.5,     447.8,     765.0,       2.0);         ( 484303.0, 3740549.6,
     444.8,     765.0,       2.0);
     ( 484307.1, 3740473.3,     439.6,     765.0,       2.0);         ( 484305.5, 3740397.7,
     437.2,     765.0,       2.0);
 *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                     ***        11:02:01

                      PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

     ( 484303.8, 3740309.1,     434.4,     585.0,       2.0);         ( 484302.2, 3740233.5,
     432.9,     585.0,       2.0);
     ( 484294.0, 3742079.4,     469.2,     765.0,       2.0);         ( 484294.0, 3742181.3,
     466.6,     817.0,       2.0);
     ( 484290.7, 3742271.6,     465.6,     817.0,       2.0);         ( 484294.0, 3742384.9,
     463.4,     817.0,       2.0);
     ( 484289.0, 3742490.0,     463.7,     817.0,       2.0);         ( 484290.7, 3742596.8,
     463.5,     817.0,       2.0);
     ( 484289.0, 3742711.7,     465.3,     817.0,       2.0);         ( 484272.6, 3742813.5,
     468.8,     817.0,       2.0);
     ( 484251.3, 3742890.7,     474.4,     817.0,       2.0);         ( 483927.7, 3743317.7,
     622.8,     765.0,       2.0);
     ( 485532.6, 3743420.2,     437.9,     817.0,       2.0);         ( 485459.0, 3743418.2,
     440.4,     817.0,       2.0);
     ( 485383.4, 3743416.1,     442.9,     817.0,       2.0);         ( 485290.6, 3743410.1,
     445.0,     817.0,       2.0);
     ( 485192.7, 3743405.0,     447.0,     817.0,       2.0);         ( 485106.0, 3743406.1,
     450.8,     817.0,       2.0);
     ( 485005.1, 3743407.1,     451.2,     817.0,       2.0);         ( 484905.3, 3743410.1,
     456.4,     817.0,       2.0);
     ( 486942.5, 3743532.8,     432.0,     817.0,
     2.0);
 *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                     ***        11:02:01

                      PAGE   9
 *** 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 1 1   1 1 1 1 1 1 1 1 1
              1   1 1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1
              1   1 1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1
              1   1 1 1 1 1 1 1 1 1 1
              1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 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 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5

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 10 01 01   1 10   56.7  0.087  0.560  0.010  107.   62.     -1.0  0.19   0.61   0.26    0.40
188.    9.1  289.2    5.5
 10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61   0.23    2.70
310.    9.1  290.9    5.5
 10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61   0.22    2.20
357.    9.1  293.1    5.5
 10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61   0.22    2.20
356.    9.1  293.8    5.5
 10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61   0.23    2.20
50.    9.1  294.2    5.5
 10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61   0.27    1.80
53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:02:01

                     PAGE  11
 *** 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        , VOL10       , VOL11       ,
                    VOL12       , VOL13       , VOL14       ,
                    VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                    VOL20       , VOL21       , VOL22       ,
                    VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                    VOL28       , VOL29       ,  . . .      ,

                                          *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
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483662.28   3742990.90        0.13199  (14113024)              483660.92
3743037.77        0.13444  (15031824)
483632.71   3742966.78        0.12748  (14113024)              483627.25
3742954.49        0.12566  (14113024)
483594.94   3742937.66        0.12106  (14113024)              483590.39
3742925.37        0.11979  (14113024)
483326.92   3742783.86        0.09076  (11121224)              483322.83
3742801.60        0.09246  (11121224)
483251.38   3742776.57        0.08607  (14040424)              483477.54
3742955.40        0.11420  (11121224)
483360.24   3742974.39        0.10360  (11121224)              483306.13
3742974.79        0.09831  (11121224)
483361.93   3743014.11        0.10372  (11121224)              483093.56
3742973.36        0.07706  (11121224)
483361.29   3743031.51        0.10359  (11121224)              483359.96
3743046.35        0.10351  (11121224)
483359.27   3743062.67        0.10339  (11121224)              483358.76
3743077.79        0.10312  (11121224)
483358.58   3743093.09        0.10270  (11121224)              483358.58
3743108.21        0.10237  (11121224)
483359.10   3743122.81        0.10221  (11121224)              483219.94
3742777.51        0.08446  (14040424)
483188.19   3742774.03        0.08275  (14040424)              483154.49
3742774.03        0.08145  (14040424)
487352.85   3742161.74        0.03507c (14121524)              487594.10
3742883.93        0.02979c (14121524)
487740.59   3742878.41        0.02751c (14121524)              487781.26
3742945.81        0.02675c (14121524)
487900.95   3742678.93        0.02592c (14121524)              487832.01
3742515.86        0.02733c (14121524)
487713.48   3742284.61        0.02949c (14121524)              487751.05
3742334.19        0.02891c (14121524)
487773.13   3742367.11        0.02852c (14121524)              487208.30
3741773.97        0.03865m (16031424)
487676.34   3741966.97        0.02988c (14121524)              487659.19
3741865.11        0.02992c (14121524)
487452.24   3741714.99        0.03342m (16031424)              487492.98
3741728.39        0.03262m (16031424)
487419.53   3741699.98        0.03414m (16031424)              486863.50
3741608.53        0.04713m (16031424)
483305.42   3742774.69        0.08863  (14040424)              483252.39
3742826.78        0.09076  (11121224)
483248.01   3742883.93        0.09239  (11121224)              483271.02
3742977.45        0.09482  (11121224)
483236.43   3742974.42        0.09110  (11121224)              483204.18
3742969.89        0.08779  (11121224)
483020.32   3742969.89        0.07203  (14040424)              482990.46
3742969.37        0.06990  (14040424)
482948.55   3742964.65        0.06768  (14040424)              482511.10
3742964.13        0.04616  (14040424)
482169.09   3742721.99        0.04169  (14040424)              482205.43
3742635.31        0.04337  (14040424)
482226.62   3742575.13        0.04322  (11010224)              482236.84
3742526.68        0.04388  (11010224)
482300.06   3742439.24        0.04681  (11010224)              482300.06
3742368.08        0.04728  (11010224)
482300.06   3742329.47        0.04672  (11010224)              482300.06
3742219.70        0.04716  (11010224)
482300.81   3742167.09        0.04764  (11010224)              482291.73
3742092.52        0.04567  (11010224)
482290.21   3741997.89        0.04696  (11010224)              482287.94
3741884.71        0.04645  (11010224)
482290.97   3741799.17        0.04343  (11010224)              482896.84
3741725.43        0.07742  (11010224)
482014.24   3741605.12        0.03343c (14120324)              481759.68
3741616.21        0.02789c (14120324)
```

*** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
482220.64	3739522.63	0.02278	(14122324)	480667.03	3738428.48	0.01122	(16011524)
484755.27	3740097.17	0.09118	(14120824)	485120.82	3740097.17	0.06921	(14120824)
485335.35	3739977.14	0.05531	(14120824)	485534.79	3740109.14	0.05413c	(14012224)
485966.31	3739987.30	0.05813	(15112924)	485941.65	3739925.65	0.05773	(15112924)
485621.34	3740251.52	0.05640c	(14012224)	485943.59	3739842.81	0.05664	(15112924)
485942.02	3739796.70	0.05670	(15112924)	485915.82	3740153.53	0.05129	(15112924)
485964.55	3740221.65	0.04882	(15112924)	485690.25	3740369.51	0.05800c	(14012224)
485710.31	3740401.31	0.05833c	(14012224)	485747.41	3740462.64	0.05893c	(14121524)
485787.54	3740530.03	0.05968c	(14121524)	485847.36	3740607.26	0.06010b	(14111524)
485870.49	3740093.39	0.05174	(15112924)	486164.92	3740527.57	0.04965c	(14010324)
486230.27	3740623.12	0.05014b	(14111524)	486330.75	3740777.24	0.05164b	(14111524)
486099.57	3740920.88	0.06064b	(14111524)	486230.56	3740573.44	0.04916b	(14111524)

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      486472.35   3741103.24        0.05262b (14111524)               486495.56
      3741156.19        0.05257b (14111524)
      486505.71   3741190.27        0.05266b (14111524)               486565.19
      3741320.10        0.05225m (16031424)
      486507.16   3741478.93        0.05646m (16031424)               486592.75
      3741437.59        0.05304m (16031424)
      486467.45   3741620.75        0.05984m (16031424)               486455.41
      3741644.54        0.06065m (16031424)
      486633.17   3741551.18        0.05323m (16031424)               486717.51
      3741579.21        0.05088m (16031424)
      486897.68   3741647.66        0.04643m (16031424)               486752.18
      3741648.28        0.05045m (16031424)
      487191.46   3741622.85        0.03915m (16031424)               487025.90
      3741639.92        0.04320m (16031424)
      487133.34   3741576.51        0.04052m (16031424)               488012.16
      3743217.05        0.02313c (14121524)
      487998.80   3743333.76        0.02298c (14121524)               488029.09
      3743389.44        0.02250c (14121524)
      488021.96   3743408.60        0.02252c (14121524)               483361.96
      3743140.42        0.10245  (11121224)
      483361.31   3743154.26        0.10210  (11121224)               483360.67
      3743170.68        0.10148  (11121224)
      483360.02   3743171.33        0.10138  (11121224)               483360.99
      3743184.20        0.10105  (11121224)
      483361.31   3743200.30        0.10051m (10042324)               483361.96
      3743217.36        0.10023m (10042324)
      483361.96   3743230.88        0.10017m (10042324)               483361.96
      3743247.94        0.09976m (10042324)
      483361.96   3743261.14        0.09912m (10042324)               483363.57
      3743276.91        0.09895m (10042324)
      483366.14   3743297.84        0.09893m (10042324)               483342.64
      3743400.52        0.09327m (10042324)
      482875.35   3743417.98        0.05295  (11121224)               482893.91
      3743449.04        0.05368  (11121224)
      482802.63   3743396.77        0.04933  (11121224)               482881.79
      3743436.54        0.05312  (11121224)
      482070.28   3742959.52        0.03048c (14121524)               482359.49
      3742961.75        0.03841  (14040424)
      488147.65   3744011.06        0.01958c (15120424)               488355.64
      3743593.90        0.01962c (15111524)
      487855.29   3743109.83        0.02530c (14121524)               487831.34
      3743023.47        0.02585c (14121524)
      485884.32   3741909.49        0.10944m (16031424)               485820.30
      3741815.92        0.11278m (16031424)
      485772.69   3741740.41        0.11474m (16031424)               485707.03
      3741661.61        0.11858m (16031424)
      485649.57   3741582.82        0.12113m (16031424)               485578.98
      3741477.76        0.12325m (16031424)
      485505.11   3741362.84        0.12450m (16031424)               485441.09
      3741261.06        0.12494m (16031424)
      485595.40   3741187.19        0.10186m (16031424)               486002.51
      3741875.02        0.09543m (16031424)
      485745.13   3741113.07        0.08532m (16031424)               485695.88
      3741010.14        0.08399m (16031424)
      485643.35   3740916.57        0.08311m (16031424)               485574.40
      3740788.52        0.08138m (16031424)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       11:02:01

                     PAGE  13
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

                          *** THE   1ST HIGHEST 24-HR AVERAGE CONCENTRATION   VALUES FOR
                          SOURCE GROUP:  ALL      ***
```

*** 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)
485518.59	3740660.47	0.07847m	(16031424)	485431.58	3740497.94	0.07528c	(14121524)
485357.70	3740369.90	0.07245c	(14121524)	485292.04	3740246.77	0.06896m	(15020724)
485243.34	3740149.91	0.06616m	(15020724)	484700.97	3740109.82	0.09687	(14120824)
484611.23	3740109.82	0.10428c	(14012024)	484525.52	3740111.83	0.10986c	(14012024)
484424.69	3740110.82	0.10856	(14011524)	484326.88	3740110.82	0.10200	(15011124)
484236.14	3740110.82	0.09414	(15011124)	484149.42	3740109.82	0.08545	(14122324)
484067.75	3740108.81	0.07957	(14122324)	483983.05	3740110.82	0.07391	(14122324)
484306.22	3740724.68	0.27362	(16011524)	484307.08	3740668.97	0.30632	(16011524)
484305.37	3740611.54	0.31683c	(14120324)	484303.01	3740549.61	0.29697	(16011524)
484307.10	3740473.28	0.27903c	(14121524)	484305.46	3740397.74	0.26293c	(14121524)
484303.82	3740309.06	0.18877c	(15121824)	484302.18	3740233.51	0.14061	(15011124)
484293.97	3742079.44	0.42798c	(14120324)	484293.97	3742181.26	0.44867c	(14120324)
484290.68	3742271.59	0.43847c	(14120324)	484293.96	3742384.90	0.47083c	(14120324)
484289.04	3742490.01	0.44864c	(14120324)	484290.68	3742596.76	0.46395c	(14120324)
484289.04	3742711.72	0.45704	(16011524)	484272.62	3742813.54	0.42605c	(14120324)
484251.27	3742890.73	0.37931m	(10121824)	483927.74	3743317.73	0.14567	(15031824)
485532.63	3743420.18	0.20211	(14121724)	485459.00	3743418.16	0.25732	(10021924)
485383.36	3743416.14	0.29661	(15022824)	485290.56	3743410.09	0.34453	(11111924)
485192.73	3743405.05	0.41908	(14113024)	485105.99	3743406.06	0.45709c	(10121724)
485005.14	3743407.07	0.42890c	(10121724)	484905.29	3743410.09	0.41085	(14113024)
486942.50	3743532.82	0.03977c	(14121524)				

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

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.47083c ON 14120324:	AT (484293.96, 3742384.90, 463.41, 817.00, 2.00)	DC	

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

FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\ *** 05/03/23
*** AERMET - VERSION 16216 ***
*** *** 11:02:01

*** 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 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

******** WARNING MESSAGES ********

ME W186	155	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	155	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	2 year gap

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

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/3/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Ops With MCP\13265 Ops
CO\13265 Ops CO.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 1 8
   URBANOPT 2189641 Riverside_County
   POLLUTID CO
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Ops CO.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484569.459  3740634.269      436.290
   LOCATION VOL4         VOLUME     484593.056  3740854.507      440.230
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484500.152  3741156.187      463.110
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
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   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485209.682  3742638.493      432.000
** Source Parameters **
   SRCPARAM VOL1         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL2         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL3         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL4         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL5         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL6         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL7         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL8         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL10        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL11        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL12        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL13        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL14        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL15        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL16        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL17        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL18        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL19        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL20        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL21        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL22        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL23        0.1348177322     5.000    50.305     1.400
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   SRCPARAM VOL25        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL26        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL27        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL28        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL29        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL30        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL31        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL33        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL34        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL35        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL36        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL37        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL38        0.1348177322     5.000    50.305     1.400
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   SRCPARAM VOL40        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL41        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL42        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL43        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL44        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL45        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL46        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL47        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL48        0.1348177322     5.000    50.305     1.400
   URBANSRC ALL
   SRCGROUP ALL
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SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
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**
**
RE STARTING
   INCLUDED "13265 Ops CO.rou"
RE FINISHED
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**************************************
** AERMOD Meteorology Pathway
**************************************
**
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ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "13265 OPS CO.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "13265 OPS CO.AD\08H1GALL.PLT" 32
   SUMMFILE "13265 Ops CO.sum"
OU FINISHED
**
**************************************
** Project Parameters
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** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
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** Lakes Environmental AERMOD MPI
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**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/3/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Ops With MCP\13265 Ops
CO\13265 Ops CO.ADI
**
**************************************
**
**
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** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 1 8
   URBANOPT 2189641 Riverside_County
   POLLUTID CO
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Ops CO.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484569.459  3740634.269      436.290
   LOCATION VOL4         VOLUME     484593.056  3740854.507      440.230
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484500.152  3741156.187      463.110
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
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   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485209.682  3742638.493      432.000
** Source Parameters **
   SRCPARAM VOL1         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL2         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL3         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL4         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL5         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL6         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL7         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL8         0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL10        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL11        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL12        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL13        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL14        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL15        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL16        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL17        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL18        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL19        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL20        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL21        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL22        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL23        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL24        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL25        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL26        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL27        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL28        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL29        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL30        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL31        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL33        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL34        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL35        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL36        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL37        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL38        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL39        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL40        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL41        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL42        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL43        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL44        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL45        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL46        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL47        0.1348177322     5.000    50.305     1.400
   SRCPARAM VOL48        0.1348177322     5.000    50.305     1.400
   URBANSRC ALL
```

```
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Ops CO.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
   RECTABLE 8 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "13265 OPS CO.AD\01H1GALL.PLT" 31
   PLOTFILE 8 ALL 1ST "13265 OPS CO.AD\08H1GALL.PLT" 32
   SUMMFILE "13265 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     155       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     155       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
```

```
*** 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    46 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:     46 Source(s);       1 Source Group(s); and     201 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     46 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) =   442.00 ;  Decay Coef. =
0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                               ;  Emission Rate
                 Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3
```

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
VOL1	0	0.13482E+00	484430.8	3740413.0	434.6	5.00	50.30	1.40	YES
VOL2	0	0.13482E+00	484431.8	3740634.3	442.9	5.00	50.30	1.40	YES
VOL3	0	0.13482E+00	484569.5	3740634.3	436.3	5.00	50.30	1.40	YES
VOL4	0	0.13482E+00	484593.1	3740854.5	440.2	5.00	50.30	1.40	YES
VOL5	0	0.13482E+00	484604.9	3741070.8	448.3	5.00	50.30	1.40	YES
VOL6	0	0.13482E+00	484500.2	3741156.2	463.1	5.00	50.30	1.40	YES
VOL7	0	0.13482E+00	484433.8	3741291.0	468.5	5.00	50.30	1.40	YES
VOL8	0	0.13482E+00	484618.6	3741291.0	453.1	5.00	50.30	1.40	YES
VOL10	0	0.13482E+00	484435.7	3741505.4	465.8	5.00	50.30	1.40	YES
VOL11	0	0.13482E+00	484626.5	3741507.4	449.9	5.00	50.30	1.40	YES
VOL12	0	0.13482E+00	484733.4	3741510.5	442.6	5.00	50.30	1.40	YES
VOL13	0	0.13482E+00	484433.8	3741727.6	465.1	5.00	50.30	1.40	YES
VOL14	0	0.13482E+00	484652.0	3741727.6	445.5	5.00	50.30	1.40	YES
VOL15	0	0.13482E+00	484870.3	3741729.6	436.0	5.00	50.30	1.40	YES
VOL16	0	0.13482E+00	484435.7	3741947.8	459.9	5.00	50.30	1.40	YES
VOL17	0	0.13482E+00	484607.2	3741945.9	448.5	5.00	50.30	1.40	YES
VOL18	0	0.13482E+00	484772.0	3741947.8	440.5	5.00	50.30	1.40	YES
VOL19	0	0.13482E+00	484970.2	3741949.8	431.7	5.00	50.30	1.40	

YES
VOL20 0 0.13482E+00 484435.7 3742166.1 456.5 5.00 50.30 1.40
YES
VOL21 0 0.13482E+00 484641.8 3742166.1 447.2 5.00 50.30 1.40
YES
VOL22 0 0.13482E+00 484841.6 3742164.5 439.2 5.00 50.30 1.40
YES
VOL23 0 0.13482E+00 485044.6 3742165.3 431.2 5.00 50.30 1.40
YES
VOL24 0 0.13482E+00 484436.5 3742387.3 456.4 5.00 50.30 1.40
YES
VOL25 0 0.13482E+00 484650.5 3742382.3 447.5 5.00 50.30 1.40
YES
VOL26 0 0.13482E+00 484867.8 3742382.3 439.7 5.00 50.30 1.40
YES
VOL27 0 0.13482E+00 485083.4 3742384.0 431.9 5.00 50.30 1.40
YES
VOL28 0 0.13482E+00 484436.5 3742601.3 456.4 5.00 50.30 1.40
YES
VOL29 0 0.13482E+00 484653.8 3742597.9 449.2 5.00 50.30 1.40
YES
VOL30 0 0.13482E+00 484869.4 3742597.9 442.0 5.00 50.30 1.40
YES
VOL31 0 0.13482E+00 485086.7 3742599.6 434.8 5.00 50.30 1.40
YES
VOL33 0 0.13482E+00 484438.2 3742815.2 461.4 5.00 50.30 1.40
YES
VOL34 0 0.13482E+00 484653.8 3742813.5 453.1 5.00 50.30 1.40
YES
VOL35 0 0.13482E+00 484871.1 3742813.5 444.9 5.00 50.30 1.40
YES
VOL36 0 0.13482E+00 485086.7 3742815.2 439.0 5.00 50.30 1.40
YES
VOL37 0 0.13482E+00 485297.3 3742815.2 433.7 5.00 50.30 1.40
YES
VOL38 0 0.13482E+00 484520.1 3742913.8 459.9 5.00 50.30 1.40
YES
VOL39 0 0.13482E+00 484657.2 3743029.2 456.3 5.00 50.30 1.40
YES
VOL40 0 0.13482E+00 484869.4 3743029.2 448.1 5.00 50.30 1.40
YES
VOL41 0 0.13482E+00 485081.7 3743032.5 443.0 5.00 50.30 1.40
YES
VOL42 0 0.13482E+00 485299.0 3743034.2 438.7 5.00 50.30 1.40
YES

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
VOL43	0	0.13482E+00	485424.4	3742957.3	433.2	5.00	50.30	1.40

```
 YES
 VOL44           0   0.13482E+00  485422.7 3743172.9   437.1     5.00    50.30     1.40
 YES
 VOL45           0   0.13482E+00  484844.4 3743194.6   451.9     5.00    50.30     1.40
 YES
 VOL46           0   0.13482E+00  485065.0 3743244.8   447.2     5.00    50.30     1.40
 YES
 VOL47           0   0.13482E+00  485208.7 3743248.1   443.7     5.00    50.30     1.40
 YES
 VOL48           0   0.13482E+00  485209.7 3742638.5   432.0     5.00    50.30     1.40
 YES
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       09:13:37

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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        ,

             VOL10       , VOL11       , VOL12       , VOL13       , VOL14       , VOL15       ,
             VOL16       , VOL17       ,

             VOL18       , VOL19       , VOL20       , VOL21       , VOL22       , VOL23       ,
             VOL24       , VOL25       ,

             VOL26       , VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
             VOL33       , VOL34       ,

             VOL35       , VOL36       , VOL37       , VOL38       , VOL39       , VOL40       ,
             VOL41       , VOL42       ,

             VOL43       , VOL44       , VOL45       , VOL46       , VOL47       , VOL48       ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       09:13:37

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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        ,

             VOL10       , VOL11       , VOL12       , VOL13       , VOL14       , VOL15       ,
             VOL16       , VOL17       ,

             VOL18       , VOL19       , VOL20       , VOL21       , VOL22       , VOL23       ,
             VOL24       , VOL25       ,
```

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

(483662.3, 3742990.9, 490.5, 817.0, 2.0); (483660.9, 3743037.8, 489.1, 817.0, 2.0);
(483632.7, 3742966.8, 490.2, 817.0, 2.0); (483627.2, 3742954.5, 491.7, 817.0, 2.0);
(483594.9, 3742937.7, 491.3, 817.0, 2.0); (483590.4, 3742925.4, 492.1, 817.0, 2.0);
(483326.9, 3742783.9, 488.8, 765.0, 2.0); (483322.8, 3742801.6, 486.9, 765.0, 2.0);
(483251.4, 3742776.6, 488.3, 765.0, 2.0); (483477.5, 3742955.4, 479.9, 817.0, 2.0);
(483360.2, 3742974.4, 474.4, 817.0, 2.0); (483306.1, 3742974.8, 473.3, 817.0, 2.0);
(483361.9, 3743014.1, 473.1, 817.0, 2.0); (483093.6, 3742973.4, 467.5, 765.0, 2.0);
(483361.3, 3743031.5, 472.7, 817.0, 2.0); (483360.0, 3743046.3, 472.7, 817.0, 2.0);
(483359.3, 3743062.7, 472.4, 817.0, 2.0); (483358.8, 3743077.8, 471.9, 817.0, 2.0);
(483358.6, 3743093.1, 471.4, 817.0, 2.0); (483358.6, 3743108.2, 470.9, 817.0, 2.0);
(483359.1, 3743122.8, 470.6, 817.0, 2.0); (483219.9, 3742777.5, 488.1, 765.0, 2.0);
(483188.2, 3742774.0, 488.1, 765.0, 2.0); (483154.5, 3742774.0, 486.2, 765.0, 2.0);
(487352.8, 3742161.7, 438.6, 817.0, 2.0); (487594.1, 3742883.9, 438.0, 817.0, 2.0);
(487740.6, 3742878.4, 440.0, 817.0, 2.0); (487781.3, 3742945.8, 440.0, 817.0, 2.0);
(487901.0, 3742678.9, 444.0, 817.0, 2.0); (487832.0, 3742515.9, 444.0, 817.0, 2.0);
(487713.5, 3742284.6, 443.8, 817.0, 2.0); (487751.0, 3742334.2, 444.0, 817.0, 2.0);
(487773.1, 3742367.1, 444.0, 817.0, 2.0); (487208.3, 3741774.0, 442.7, 442.7, 2.0);
(487676.3, 3741967.0, 444.0, 444.0, 2.0); (487659.2, 3741865.1, 444.0, 444.0, 2.0);
(487452.2, 3741715.0, 444.0, 444.0, 2.0); (487493.0, 3741728.4, 444.1, 444.1, 2.0);
(487419.5, 3741700.0, 444.2, 444.2, 2.0); (486863.5, 3741608.5, 442.1, 442.1, 2.0);
(483305.4, 3742774.7, 489.4, 765.0, 2.0); (483252.4, 3742826.8, 480.7, 765.0, 2.0);
(483248.0, 3742883.9, 476.5, 765.0, 2.0); (483271.0, 3742977.4, 472.3, 817.0, 2.0);
(483236.4, 3742974.4, 471.3, 817.0, 2.0); (483204.2, 3742969.9, 470.4, 816.0, 2.0);

(483020.3, 3742969.9, 466.9, 765.0, 2.0); (482990.5, 3742969.4, 466.2, 765.0, 2.0);
(482948.5, 3742964.6, 466.0, 765.0, 2.0); (482511.1, 3742964.1, 459.5, 765.0, 2.0);
(482169.1, 3742722.0, 464.6, 765.0, 2.0); (482205.4, 3742635.3, 467.8, 765.0, 2.0);
(482226.6, 3742575.1, 467.5, 765.0, 2.0); (482236.8, 3742526.7, 467.2, 765.0, 2.0);
(482300.1, 3742439.2, 469.5, 765.0, 2.0); (482300.1, 3742368.1, 466.4, 765.0, 2.0);
(482300.1, 3742329.5, 463.9, 765.0, 2.0); (482300.1, 3742219.7, 461.8, 765.0, 2.0);
(482300.8, 3742167.1, 460.9, 765.0, 2.0); (482291.7, 3742092.5, 458.3, 765.0, 2.0);
(482290.2, 3741997.9, 458.0, 765.0, 2.0); (482287.9, 3741884.7, 454.9, 765.0, 2.0);
(482291.0, 3741799.2, 451.2, 765.0, 2.0); (482896.8, 3741725.4, 464.6, 765.0, 2.0);
(482014.2, 3741605.1, 443.9, 765.0, 2.0); (481759.7, 3741616.2, 440.3, 765.0, 2.0);
(481782.5, 3741558.9, 441.0, 765.0, 2.0); (481738.7, 3741497.2, 440.0, 765.0, 2.0);
(482899.2, 3741347.8, 456.0, 765.0, 2.0); (482905.5, 3741318.6, 456.0, 765.0, 2.0);
(483094.8, 3741257.0, 460.7, 765.0, 2.0); (483086.1, 3741104.7, 456.5, 765.0, 2.0);
(483094.0, 3740957.5, 454.9, 765.0, 2.0); (483086.1, 3740568.1, 451.5, 585.0, 2.0);
(483009.2, 3740676.8, 450.0, 585.0, 2.0); (482810.6, 3740169.8, 439.9, 439.9, 2.0);
(482698.8, 3740092.2, 437.7, 437.7, 2.0); (482380.1, 3739846.6, 434.0, 434.0, 2.0);
(482715.4, 3739916.3, 435.3, 435.3, 2.0); (482244.7, 3739706.9, 432.7, 432.7, 2.0);
(482220.6, 3739522.6, 432.0, 432.0, 2.0); (480667.0, 3738428.5, 432.0, 432.0, 2.0);
(484755.3, 3740097.2, 430.0, 533.0, 2.0); (485120.8, 3740097.2, 432.0, 432.0, 2.0);
(485335.3, 3739977.1, 433.0, 433.0, 2.0); (485534.8, 3740109.1, 434.0, 434.0, 2.0);
(485966.3, 3739987.3, 443.8, 800.0, 2.0); (485941.6, 3739925.6, 443.7, 800.0, 2.0);
(485621.3, 3740251.5, 434.5, 434.5, 2.0); (485943.6, 3739842.8, 444.1, 800.0, 2.0);

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

(485942.0, 3739796.7, 444.7, 811.0, 2.0); (485915.8, 3740153.5, 439.8, 800.0, 2.0);
(485964.5, 3740221.6, 438.5, 800.0, 2.0); (485690.2, 3740369.5, 434.3, 434.3, 2.0);
(485710.3, 3740401.3, 434.5, 434.5, 2.0); (485747.4, 3740462.6, 434.1, 434.1, 2.0);
(485787.5, 3740530.0, 434.0, 434.0, 2.0); (485847.4, 3740607.3, 434.0, 434.0, 2.0);
(485870.5, 3740093.4, 439.8, 800.0, 2.0); (486164.9, 3740527.6, 438.0, 800.0, 2.0);

(486230.3, 3740623.1, 438.0, 800.0, 2.0); (486330.8, 3740777.2, 439.7, 800.0, 2.0);
(486099.6, 3740920.9, 436.0, 436.0, 2.0); (486230.6, 3740573.4, 438.4, 800.0, 2.0);
(486472.3, 3741103.2, 440.0, 440.0, 2.0); (486495.6, 3741156.2, 440.1, 440.1, 2.0);
(486505.7, 3741190.3, 440.0, 440.0, 2.0); (486565.2, 3741320.1, 439.0, 439.0, 2.0);
(486507.2, 3741478.9, 437.6, 765.0, 2.0); (486592.8, 3741437.6, 438.4, 438.4, 2.0);
(486467.5, 3741620.8, 436.2, 817.0, 2.0); (486455.4, 3741644.5, 436.0, 817.0, 2.0);
(486633.2, 3741551.2, 439.0, 765.0, 2.0); (486717.5, 3741579.2, 440.6, 440.6, 2.0);
(486897.7, 3741647.7, 442.0, 442.0, 2.0); (486752.2, 3741648.3, 440.7, 440.7, 2.0);
(487191.5, 3741622.8, 444.8, 444.8, 2.0); (487025.9, 3741639.9, 444.0, 444.0, 2.0);
(487133.3, 3741576.5, 445.3, 445.3, 2.0); (488012.2, 3743217.0, 442.0, 817.0, 2.0);
(487998.8, 3743333.8, 441.3, 817.0, 2.0); (488029.1, 3743389.4, 441.3, 817.0, 2.0);
(488022.0, 3743408.6, 441.0, 817.0, 2.0); (483362.0, 3743140.4, 470.7, 817.0, 2.0);
(483361.3, 3743154.3, 470.4, 817.0, 2.0); (483360.7, 3743170.7, 469.9, 817.0, 2.0);
(483360.0, 3743171.3, 469.8, 817.0, 2.0); (483361.0, 3743184.2, 469.4, 817.0, 2.0);
(483361.3, 3743200.3, 468.9, 817.0, 2.0); (483362.0, 3743217.4, 468.7, 817.0, 2.0);
(483362.0, 3743230.9, 468.7, 817.0, 2.0); (483362.0, 3743247.9, 468.3, 817.0, 2.0);
(483362.0, 3743261.1, 467.9, 817.0, 2.0); (483363.6, 3743276.9, 467.8, 817.0, 2.0);
(483366.1, 3743297.8, 467.9, 817.0, 2.0); (483342.6, 3743400.5, 466.2, 817.0, 2.0);
(482875.3, 3743418.0, 454.0, 817.0, 2.0); (482893.9, 3743449.0, 454.1, 817.0, 2.0);
(482802.6, 3743396.8, 453.1, 817.0, 2.0); (482881.8, 3743436.5, 454.0, 817.0, 2.0);
(482070.3, 3742959.5, 446.7, 765.0, 2.0); (482359.5, 3742961.8, 454.5, 765.0, 2.0);
(488147.6, 3744011.1, 437.0, 817.0, 2.0); (488355.6, 3743593.9, 444.0, 817.0, 2.0);
(487855.3, 3743109.8, 441.0, 817.0, 2.0); (487831.3, 3743023.5, 440.7, 817.0, 2.0);
(485884.3, 3741909.5, 431.0, 817.0, 2.0); (485820.3, 3741815.9, 431.0, 817.0, 2.0);
(485772.7, 3741740.4, 431.0, 817.0, 2.0); (485707.0, 3741661.6, 431.0, 817.0, 2.0);
(485649.6, 3741582.8, 431.0, 817.0, 2.0); (485579.0, 3741477.8, 431.0, 817.0, 2.0);
(485505.1, 3741362.8, 431.0, 765.0, 2.0); (485441.1, 3741261.1, 431.0, 765.0, 2.0);
(485595.4, 3741187.2, 431.1, 765.0, 2.0); (486002.5, 3741875.0, 432.0, 817.0, 2.0);
(485745.1, 3741113.1, 432.0, 765.0, 2.0); (485695.9, 3741010.1, 432.0, 765.0, 2.0);
(485643.3, 3740916.6, 432.0, 765.0, 2.0); (485574.4, 3740788.5, 432.0, 765.0, 2.0);
(485518.6, 3740660.5, 433.0, 765.0, 2.0); (485431.6, 3740497.9, 433.0, 433.0, 2.0);
(485357.7, 3740369.9, 432.0, 432.0, 2.0); (485292.0, 3740246.8, 432.0, 432.0, 2.0);
(485243.3, 3740149.9, 432.0, 432.0, 2.0); (484701.0, 3740109.8, 430.0, 533.0, 2.0);

```
    ( 484611.2, 3740109.8,     430.0,     533.0,       2.0);         ( 484525.5, 3740111.8,
    430.0,     533.0,       2.0);
    ( 484424.7, 3740110.8,     430.0,     585.0,       2.0);         ( 484326.9, 3740110.8,
    431.1,     585.0,       2.0);
    ( 484236.1, 3740110.8,     432.0,     585.0,       2.0);         ( 484149.4, 3740109.8,
    432.8,     585.0,       2.0);
    ( 484067.8, 3740108.8,     432.9,     585.0,       2.0);         ( 483983.0, 3740110.8,
    433.9,     585.0,       2.0);
    ( 484306.2, 3740724.7,     457.8,     765.0,       2.0);         ( 484307.1, 3740669.0,
    451.3,     765.0,       2.0);
    ( 484305.4, 3740611.5,     447.8,     765.0,       2.0);         ( 484303.0, 3740549.6,
    444.8,     765.0,       2.0);
    ( 484307.1, 3740473.3,     439.6,     765.0,       2.0);         ( 484305.5, 3740397.7,
    437.2,     765.0,       2.0);
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        09:13:37

                      PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

    ( 484303.8, 3740309.1,     434.4,     585.0,       2.0);         ( 484302.2, 3740233.5,
    432.9,     585.0,       2.0);
    ( 484294.0, 3742079.4,     469.2,     765.0,       2.0);         ( 484294.0, 3742181.3,
    466.6,     817.0,       2.0);
    ( 484290.7, 3742271.6,     465.6,     817.0,       2.0);         ( 484294.0, 3742384.9,
    463.4,     817.0,       2.0);
    ( 484289.0, 3742490.0,     463.7,     817.0,       2.0);         ( 484290.7, 3742596.8,
    463.5,     817.0,       2.0);
    ( 484289.0, 3742711.7,     465.3,     817.0,       2.0);         ( 484272.6, 3742813.5,
    468.8,     817.0,       2.0);
    ( 484251.3, 3742890.7,     474.4,     817.0,       2.0);         ( 483927.7, 3743317.7,
    622.8,     765.0,       2.0);
    ( 485532.6, 3743420.2,     437.9,     817.0,       2.0);         ( 485459.0, 3743418.2,
    440.4,     817.0,       2.0);
    ( 485383.4, 3743416.1,     442.9,     817.0,       2.0);         ( 485290.6, 3743410.1,
    445.0,     817.0,       2.0);
    ( 485192.7, 3743405.0,     447.0,     817.0,       2.0);         ( 485106.0, 3743406.1,
    450.8,     817.0,       2.0);
    ( 485005.1, 3743407.1,     451.2,     817.0,       2.0);         ( 484905.3, 3743410.1,
    456.4,     817.0,       2.0);
    ( 486942.5, 3743532.8,     432.0,     817.0,
    2.0);
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                         ***        09:13:37

                      PAGE   9
 *** 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 1 1 1   1 1 1 1 1 1 1 1 1 1
            1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
            1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 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 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

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

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name:
UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5

```
 10 01 01   1 09   20.1  0.128  0.307  0.010   49.  110.     -9.0  0.19   0.61   0.33    0.90
239.    9.1  284.2    5.5
 10 01 01   1 10   56.7  0.087  0.560  0.010  107.   62.     -1.0  0.19   0.61   0.26    0.40
188.    9.1  289.2    5.5
 10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61   0.23    2.70
310.    9.1  290.9    5.5
 10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61   0.22    2.20
357.    9.1  293.1    5.5
 10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61   0.22    2.20
356.    9.1  293.8    5.5
 10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61   0.23    2.20
50.    9.1  294.2    5.5
 10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61   0.27    1.80
53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***        09:13:37

                     PAGE  11
 *** 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        , VOL10       , VOL11       ,
                   VOL12       , VOL13       , VOL14       ,
                   VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                   VOL20       , VOL21       , VOL22       ,
                   VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                   VOL28       , VOL29       ,  . . .      ,

                                          *** 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)
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- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
       483662.28   3742990.90       33.97696  (11090522)                483660.92
       3743037.77       33.63636  (14072802)
       483632.71   3742966.78       34.05026  (11090522)                483627.25
       3742954.49       33.54030  (11090522)
       483594.94   3742937.66       33.44888  (15073103)                483590.39
       3742925.37       33.33137  (15073103)
       483326.92   3742783.86       31.81008  (10082104)                483322.83
       3742801.60       31.92353  (15062422)
       483251.38   3742776.57       30.93226  (10082104)                483477.54
       3742955.40       33.61992  (11090522)
       483360.24   3742974.39       31.11234  (11090522)                483306.13
       3742974.79       30.03743  (11090522)
       483361.93   3743014.11       30.54198  (11090522)                483093.56
       3742973.36       24.77224  (11090522)
       483361.29   3743031.51       30.22504  (11090522)                483359.96
       3743046.35       30.00804  (11090522)
       483359.27   3743062.67       29.72073  (16102119)                483358.76
       3743077.79       29.34480  (16102119)
       483358.58   3743093.09       29.02755  (14072802)                483358.58
       3743108.21       28.71973  (14072802)
       483359.10   3743122.81       28.50655  (14072802)                483219.94
       3742777.51       30.51861  (10082104)
       483188.19   3742774.03       30.14530  (10082104)                483154.49
       3742774.03       29.91288  (10062520)
       487352.85   3742161.74        6.80412  (15100118)                487594.10
       3742883.93        6.22604  (15121924)
       487740.59   3742878.41        6.04888  (15121924)                487781.26
       3742945.81        5.95257  (15111523)
       487900.95   3742678.93        6.71169  (10101218)                487832.01
       3742515.86        6.73237  (10030218)
       487713.48   3742284.61        6.86972  (11090722)                487751.05
       3742334.19        6.82381  (10060220)
       487773.13   3742367.11        6.76391  (10060220)                487208.30
       3741773.97        7.53800  (10082522)
       487676.34   3741966.97        6.82432  (15100118)                487659.19
       3741865.11        6.72085  (15100118)
       487452.24   3741714.99        7.05989  (15080522)                487492.98
       3741728.39        6.97332  (11071722)
       487419.53   3741699.98        7.19202  (15080522)                486863.50
       3741608.53        8.08685  (10082420)
       483305.42   3742774.69       31.49034  (10082104)                483252.39
       3742826.78       31.44479  (15062422)
       483248.01   3742883.93       30.48356  (15073103)                483271.02
       3742977.45       29.22248  (11090522)
       483236.43   3742974.42       28.37768  (11090522)                483204.18
       3742969.89       27.58907  (11090522)
       483020.32   3742969.89       23.58185  (11090522)                482990.46
       3742969.37       22.84071  (11090522)
       482948.55   3742964.65       22.28961  (11090522)                482511.10
       3742964.13       15.65576  (14090721)
       482169.09   3742721.99       16.66520  (10082001)                482205.43
       3742635.31       18.82825  (15062422)
       482226.62   3742575.13       18.78664  (10062520)                482236.84
       3742526.68       18.80272  (14091921)
       482300.06   3742439.24       20.48491  (11090804)                482300.06
       3742368.08       19.34101  (15071721)
       482300.06   3742329.47       17.93730  (15071721)                482300.06
       3742219.70       16.71995  (15062421)
       482300.81   3742167.09       16.51878  (16062321)                482291.73
       3742092.52       14.69281  (15062421)
       482290.21   3741997.89       14.50412  (15101321)                482287.94
       3741884.71       13.38875  (11081820)
       482290.97   3741799.17       11.58080  (11081820)                482896.84
       3741725.43       24.89082  (16072820)
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*** THE 1ST HIGHEST 1-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
482220.64	3739522.63	4.69820	(14100721)	480667.03	3738428.48	2.79450	(11082022)
484755.27	3740097.17	14.17386	(16102019)	485120.82	3740097.17	10.15379	(14092319)
485335.35	3739977.14	8.50720	(15062020)	485534.79	3740109.14	8.02522	(15081219)
485966.31	3739987.30	9.20770	(14091422)	485941.65	3739925.65	9.05209	(11082521)
485621.34	3740251.52	8.18311	(15080520)	485943.59	3739842.81	8.92864	(11082521)
485942.02	3739796.70	9.00731	(11082521)	485915.82	3740153.53	8.33168	(15081521)
485964.55	3740221.65	8.09071	(14091419)	485690.25	3740369.51	8.24508	(10082619)
485710.31	3740401.31	8.27428	(10082619)	485747.41	3740462.64	8.17164	(15101507)
485787.54	3740530.03	8.27804	(15101507)	485847.36	3740607.26	8.30697	(15101507)
485870.49	3740093.39	8.32291	(10071620)	486164.92	3740527.57	8.13002	(11082621)
486230.27	3740623.12	8.10129	(10082622)	486330.75	3740777.24	8.18348	(16083119)

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      486099.57   3740920.88        8.87143  (16083119)               486230.56
      3740573.44        8.01726  (10082622)
      486472.35   3741103.24        8.23895  (10071421)               486495.56
      3741156.19        8.19431  (14072822)
      486505.71   3741190.27        8.20336  (14072822)               486565.19
      3741320.10        8.17687  (15082320)
      486507.16   3741478.93        8.16315  (10082124)               486592.75
      3741437.59        8.19535  (15082320)
      486467.45   3741620.75        8.36995  (11070604)               486455.41
      3741644.54        8.47326  (11070604)
      486633.17   3741551.18        8.19442  (10082124)               486717.51
      3741579.21        8.00991  (10082124)
      486897.68   3741647.66        7.98078  (16072221)               486752.18
      3741648.28        7.95616  (10082124)
      487191.46   3741622.85        7.85545  (10082022)               487025.90
      3741639.92        8.21625  (14091220)
      487133.34   3741576.51        8.44799  (10082022)               488012.16
      3743217.05        6.12625  (15111523)
      487998.80   3743333.76        5.85116  (16092818)               488029.09
      3743389.44        5.82776  (16092818)
      488021.96   3743408.60        5.83891  (16092818)               483361.96
      3743140.42       28.41027  (14072802)
      483361.31   3743154.26       28.12957  (14072802)               483360.67
      3743170.68       27.81089  (15091020)
      483360.02   3743171.33       27.77688  (15091020)               483360.99
      3743184.20       27.56125  (15091020)
      483361.31   3743200.30       27.22566  (15091020)               483361.96
      3743217.36       27.06143  (15091020)
      483361.96   3743230.88       26.98605  (15091020)               483361.96
      3743247.94       26.66019  (15091020)
      483361.96   3743261.14       26.31347  (15091020)               483363.57
      3743276.91       26.14304  (15091020)
      483366.14   3743297.84       26.03865  (15091020)               483342.64
      3743400.52       23.75953  (16091819)
      482875.35   3743417.98       13.31235  (14083119)               482893.91
      3743449.04       13.35610  (14083119)
      482802.63   3743396.77       12.75045  (14083119)               482881.79
      3743436.54       13.29882  (14083119)
      482070.28   3742959.52        7.56736  (14071420)               482359.49
      3742961.75       12.04437  (14090721)
      488147.65   3744011.06        4.88709  (10042019)               488355.64
      3743593.90        6.13171  (15090619)
      487855.29   3743109.83        6.06473  (15111523)               487831.34
      3743023.47        6.01853  (15111523)
      485884.32   3741909.49       15.18371  (15101507)               485820.30
      3741815.92       15.65171  (15101507)
      485772.69   3741740.41       15.92576  (15101507)               485707.03
      3741661.61       16.46425  (15101507)
      485649.57   3741582.82       16.82342  (15101507)               485578.98
      3741477.76       17.12902  (15101507)
      485505.11   3741362.84       17.31762  (15101507)               485441.09
      3741261.06       17.39335  (15101507)
      485595.40   3741187.19       14.15836  (15101507)               486002.51
      3741875.02       13.22277  (15101507)
      485745.13   3741113.07       11.84012  (15101507)               485695.88
      3741010.14       11.66521  (15101507)
      485643.35   3740916.57       11.55334  (15101507)               485574.40
      3740788.52       11.32415  (15101507)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***       05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       09:13:37

                     PAGE  13
 *** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
485518.59	3740660.47	10.92799	(15101507)	485431.58	3740497.94	10.47977	(15101507)
485357.70	3740369.90	10.08072	(15101507)	485292.04	3740246.77	9.58253	(15101507)
485243.34	3740149.91	9.53879	(15062020)	484700.97	3740109.82	15.30749	(11090621)
484611.23	3740109.82	17.07965	(11090621)	484525.52	3740111.83	19.21686	(10092420)
484424.69	3740110.82	20.24189	(14091319)	484326.88	3740110.82	19.67377	(14042920)
484236.14	3740110.82	18.50816	(15051418)	484149.42	3740109.82	15.73049	(10092619)
484067.75	3740108.81	14.21295	(10092619)	483983.05	3740110.82	12.87359	(10092619)
484306.22	3740724.68	54.53862	(14073121)	484307.08	3740668.97	49.90860	(14072802)
484305.37	3740611.54	47.30111	(11082922)	484303.01	3740549.61	41.70151	(11010316)
484307.10	3740473.28	37.81203	(15101507)	484305.46	3740397.74	38.04320	(11010316)
484303.82	3740309.06	33.51283	(11010316)	484302.18	3740233.51	27.07040	(15051418)
484293.97	3742079.44	83.65499	(16072421)	484293.97	3742181.26	79.10797	(10092621)
484290.68	3742271.59	78.66049	(10092621)	484293.96	3742384.90	78.20241	(16083019)
484289.04	3742490.01	75.57600	(16072820)	484290.68	3742596.76	75.70893	(14090720)
484289.04	3742711.72	68.31011	(14090620)	484272.62	3742813.54	74.54883	(15062421)
484251.27	3742890.73	66.88942	(11090522)	483927.74	3743317.73	26.77725	(10060619)
485532.63	3743420.18	40.52870	(14041207)	485459.00	3743418.16	44.53444	(11082722)
485383.36	3743416.14	52.92954	(16031519)	485290.56	3743410.09	56.62581	(14041207)
485192.73	3743405.05	69.22822	(16092719)	485105.99	3743406.06	76.60425	(16092719)
485005.14	3743407.07	66.79483	(15072721)	484905.29	3743410.09	69.32140	(16092719)
486942.50	3743532.82	7.19046	(15110220)				

*** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
483662.28	3742990.90	23.05843	(16123108)	483660.92	3743037.77	23.59897	(16123108)
483632.71	3742966.78	22.30839	(16123108)	483627.25	3742954.49	21.87156	(16123108)
483594.94	3742937.66	21.14677	(16123108)	483590.39	3742925.37	20.84371	(16123108)
483326.92	3742783.86	15.04866	(16123108)	483322.83	3742801.60	15.23174	(16123108)
483251.38	3742776.57	14.00409	(14113008)	483477.54	3742955.40	19.39918	(16123108)
483360.24	3742974.39	16.83802m	(10042324)	483306.13	3742974.79	15.93845m	(10042324)
483361.93	3743014.11	17.04629m	(10042324)	483093.56	3742973.36	12.64180	(14040424)
483361.29	3743031.51	17.10192m	(10042324)	483359.96	3743046.35	17.15313m	(10042324)
483359.27	3743062.67	17.20045m	(10042324)	483358.76	3743077.79	17.21131m	(10042324)
483358.58	3743093.09	17.16679m	(10042324)	483358.58	3743108.21	17.16811m	(10042324)
483359.10	3743122.81	17.19534m	(10042324)	483219.94	3742777.51	13.72588	(14113008)
483188.19	3742774.03	13.43125	(14113008)	483154.49	3742774.03	13.14152	(14113008)
487352.85	3742161.74	4.18604	(15121108)	487594.10	3742883.93	3.69084	(14042608)
487740.59	3742878.41	3.51154	(14042608)	487781.26	3742945.81	3.47810	(14042608)
487900.95	3742678.93	3.45133	(15122008)	487832.01	3742515.86	3.58118	(11123024)
487713.48	3742284.61	3.69818	(11123024)	487751.05	3742334.19	3.66258	(11123024)
487773.13	3742367.11	3.64185	(11123024)	487208.30	3741773.97	4.91390	(16010524)
487676.34	3741966.97	3.71986	(15121108)	487659.19	3741865.11	3.77271	(15111724)
487452.24	3741714.99	4.38654	(16010524)	487492.98	3741728.39	4.27876	(16010524)
487419.53	3741699.98	4.49802	(16010524)	486863.50	3741608.53	5.62795	(15020124)
483305.42	3742774.69	14.55709	(16123108)	483252.39	3742826.78	14.25576	(14040424)

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       483248.01   3742883.93       14.72695  (14040424)                483271.02
       3742977.45       15.33326m (10042324)
       483236.43   3742974.42       14.69534  (14040424)                483204.18
       3742969.89       14.20732  (14040424)
       483020.32   3742969.89       11.86469  (14040424)                482990.46
       3742969.37       11.46235  (14040424)
       482948.55   3742964.65       11.07941  (14040424)                482511.10
       3742964.13        7.12402  (14040424)
       482169.09   3742721.99        7.52498  (11010224)                482205.43
       3742635.31        8.09334  (11010224)
       482226.62   3742575.13        8.26547  (11010224)                482236.84
       3742526.68        8.36631  (11010224)
       482300.06   3742439.24        8.91475  (11010224)                482300.06
       3742368.08        8.86014  (11010224)
       482300.06   3742329.47        8.59576  (11010224)                482300.06
       3742219.70        8.42068  (11010224)
       482300.81   3742167.09        8.38902  (11010224)                482291.73
       3742092.52        7.72574  (11010224)
       482290.21   3741997.89        7.79067  (11010224)                482287.94
       3741884.71        7.36847  (11010224)
       482290.97   3741799.17        6.43352  (11010224)                482896.84
       3741725.43       11.57933  (16030724)
       482014.24   3741605.12        4.09668  (11010224)                481759.68
       3741616.21        3.27533  (14012324)
       481782.49   3741558.89        3.31503  (14012324)                481738.72
       3741497.25        3.22222  (14012324)
       482899.19   3741347.84        9.39503  (16030724)                482905.50
       3741318.60        9.35712  (16030724)
       483094.76   3741256.97       12.09056  (10072608)                483086.06
       3741104.69       10.42569  (10072608)
       483094.04   3740957.48        9.75998  (10072608)                483086.06
       3740568.07        8.84426  (16122224)
       483009.20   3740676.84        7.58696  (14111824)                482810.58
       3740169.82        4.62662  (14111824)
       482698.82   3740092.19        4.04094  (14111824)                482380.08
       3739846.62        2.94186  (16111824)
       482715.43   3739916.28        3.75228  (14122324)                482244.68
       3739706.94        2.69259  (16111824)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:13:37

                     PAGE  15
 *** 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        , VOL10       , VOL11       ,
                  VOL12       , VOL13       , VOL14       ,
                  VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                  VOL20       , VOL21       , VOL22       ,
                  VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                  VOL28       , VOL29       ,  . . .      ,

                                          *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
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3740109.14 6.70388 (15012508)
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3739925.65 7.62114 (10101824)
485621.34 3740251.52 6.80634 (15101624) 485943.59
3739842.81 7.41918 (10101824)
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487998.80 3743333.76 3.31457 (15111524) 488029.09
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3743140.42 17.29610m (10042324)
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3743170.68 17.23346m (10042324)
483360.02 3743171.33 17.21830m (10042324) 483360.99
3743184.20 17.19454m (10042324)
483361.31 3743200.30 17.13305m (10042324) 483361.96
3743217.36 17.07962m (10042324)
483361.96 3743230.88 17.08394m (10042324) 483361.96
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482802.63 3743396.77 7.51918m (10042324) 482881.79
3743436.54 8.26703m (10042324)
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487855.29 3743109.83 3.45104 (15111524) 487831.34
3743023.47 3.46128 (14042608)

*** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
485518.59	3740660.47	9.29463m	(10060508)	485431.58	3740497.94	8.91297m	(10060508)
485357.70	3740369.90	8.57437m	(10060508)	485292.04	3740246.77	8.18033	(15012508)
485243.34	3740149.91	8.12731	(15012508)	484700.97	3740109.82	12.08433	(14010524)
484611.23	3740109.82	13.06047	(14010524)	484525.52	3740111.83	13.58435	(14012024)
484424.69	3740110.82	13.55927	(14011508)	484326.88	3740110.82	12.37152	(16122024)
484236.14	3740110.82	11.05796	(11123124)	484149.42	3740109.82	10.17634	(14122324)
484067.75	3740108.81	9.53286	(14122324)	483983.05	3740110.82	8.90918	(14122324)
484306.22	3740724.68	37.43597	(16123108)	484307.08	3740668.97	38.24363b	(11070908)
484305.37	3740611.54	36.42377	(16123108)	484303.01	3740549.61	36.37502	(16123108)
484307.10	3740473.28	32.32831m	(10060508)	484305.46	3740397.74	30.23795m	(10060508)
484303.82	3740309.06	21.94618m	(10060508)	484302.18	3740233.51	16.45495m	(10060508)
484293.97	3742079.44	53.54554	(16122224)	484293.97	3742181.26	56.43341m	(10060524)

484290.68 3742271.59 59.42278m (10060524) 484293.96
3742384.90 59.97228m (10060524)
484289.04 3742490.01 61.17438m (10060524) 484290.68
3742596.76 60.81744 (16123108)
484289.04 3742711.72 64.59129 (16123108) 484272.62
3742813.54 59.73873 (16123108)
484251.27 3742890.73 54.56149 (16123108) 483927.74
3743317.73 24.39561 (16123108)
485532.63 3743420.18 25.20184 (14013108) 485459.00
3743418.16 32.36145 (16091308)
485383.36 3743416.14 37.80609 (14013024) 485290.56
3743410.09 43.81021m (10042408)
485192.73 3743405.05 52.40542 (16122408) 485105.99
3743406.06 58.74185 (14113024)
485005.14 3743407.07 55.00183 (16121108) 484905.29
3743410.09 56.73450 (14102624)
486942.50 3743532.82 4.79467
(16122424)

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	NETWORK OF TYPE	GRID-ID
ALL	1ST HIGH VALUE IS	83.65499	ON 16072421: AT (484293.97, 3742079.44, 469.17, 765.00, 2.00)	DC	

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

*** THE SUMMARY OF HIGHEST 8-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR,	NETWORK

```
ZELEV, ZHILL, ZFLAG)    OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - - -

ALL      HIGH   1ST HIGH VALUE IS      64.59129  ON 16123108: AT (  484289.04,  3742711.72,
465.26,   817.00,    2.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:13:37

                      PAGE  19
 *** 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            4 Warning Message(s)
 A Total of         2028 Informational Message(s)

 A Total of        43824 Hours Were Processed

 A Total of          978 Calm Hours Identified

 A Total of         1050 Missing Hours Identified (  2.40 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186     155       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     155       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:     14010101
 MX W450   17521       CHKDAT: Record Out of Sequence in Meteorological File at:    2 year gap

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

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/3/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Ops With MCP\13265 Ops
NOX\13265 Ops NOX.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 1
   URBANOPT 2189641 Riverside_County
   POLLUTID NOX
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Ops NOX.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484569.459  3740634.269      436.290
   LOCATION VOL4         VOLUME     484593.056  3740854.507      440.230
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484500.152  3741156.187      463.110
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
```

```
   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485209.682  3742638.493      432.000
** Source Parameters **
   SRCPARAM VOL1         0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL2         0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL3         0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL4         0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL5         0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL6         0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL7         0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL8         0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL10        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL11        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL12        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL13        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL14        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL15        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL16        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL17        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL18        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL19        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL20        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL21        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL22        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL23        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL24        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL25        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL26        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL27        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL28        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL29        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL30        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL31        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL33        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL34        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL35        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL36        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL37        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL38        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL39        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL40        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL41        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL42        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL43        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL44        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL45        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL46        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL47        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL48        0.0272155422     5.000    50.305     1.400
   URBANSRC ALL
   SRCGROUP ALL
```

```
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Ops NOX.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "13265 OPS NOX.AD\01H1GALL.PLT" 31
   SUMMFILE "13265 Ops NOX.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/3/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Ops With MCP\13265 Ops
NOX\13265 Ops NOX.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 1
   URBANOPT 2189641 Riverside_County
   POLLUTID NOX
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Ops NOX.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484569.459  3740634.269      436.290
   LOCATION VOL4         VOLUME     484593.056  3740854.507      440.230
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484500.152  3741156.187      463.110
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
```

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   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485209.682  3742638.493      432.000
** Source Parameters **
   SRCPARAM VOL1         0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL2         0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL3         0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL4         0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL5         0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL6         0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL7         0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL8         0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL10        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL11        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL12        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL13        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL14        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL15        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL16        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL17        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL18        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL19        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL20        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL21        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL22        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL23        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL24        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL25        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL26        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL27        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL28        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL29        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL30        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL31        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL33        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL34        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL35        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL36        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL37        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL38        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL39        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL40        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL41        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL42        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL43        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL44        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL45        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL46        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL47        0.0272155422     5.000    50.305     1.400
   SRCPARAM VOL48        0.0272155422     5.000    50.305     1.400
   URBANSRC ALL
```

```
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Ops NOX.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 1 1ST
** Auto-Generated Plotfiles
   PLOTFILE 1 ALL 1ST "13265 OPS NOX.AD\01H1GALL.PLT" 31
   SUMMFILE "13265 Ops NOX.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     155       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     155       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:23:18
```

```
                                           ***     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    46 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:     46 Source(s);       1 Source Group(s); and     201 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:     46 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) =   442.00 ;  Decay Coef. =
0.000     ;  Rot. Angle =     0.0
                 Emission Units = GRAMS/SEC                                 ;  Emission Rate
                 Unit Factor =   0.10000E+07
                 Output Units   = MICROGRAMS/M**3

**Approximate Storage Requirements of Model =      3.5 MB of RAM.
```

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

**Detailed Error/Message File: 13265 Ops
NOX.err
**File for Summary of Results: 13265 Ops
NOX.sum
FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\ *** 05/03/23
*** AERMET - VERSION 16216 ***
*** *** 09:23:18

PAGE 2
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
VOL1	0	0.27216E-01	484430.8	3740413.0	434.6	5.00	50.30	1.40	YES
VOL2	0	0.27216E-01	484431.8	3740634.3	442.9	5.00	50.30	1.40	YES
VOL3	0	0.27216E-01	484569.5	3740634.3	436.3	5.00	50.30	1.40	YES
VOL4	0	0.27216E-01	484593.1	3740854.5	440.2	5.00	50.30	1.40	YES
VOL5	0	0.27216E-01	484604.9	3741070.8	448.3	5.00	50.30	1.40	YES
VOL6	0	0.27216E-01	484500.2	3741156.2	463.1	5.00	50.30	1.40	YES
VOL7	0	0.27216E-01	484433.8	3741291.0	468.5	5.00	50.30	1.40	YES
VOL8	0	0.27216E-01	484618.6	3741291.0	453.1	5.00	50.30	1.40	YES
VOL10	0	0.27216E-01	484435.7	3741505.4	465.8	5.00	50.30	1.40	YES
VOL11	0	0.27216E-01	484626.5	3741507.4	449.9	5.00	50.30	1.40	YES
VOL12	0	0.27216E-01	484733.4	3741510.5	442.6	5.00	50.30	1.40	YES
VOL13	0	0.27216E-01	484433.8	3741727.6	465.1	5.00	50.30	1.40	YES
VOL14	0	0.27216E-01	484652.0	3741727.6	445.5	5.00	50.30	1.40	YES
VOL15	0	0.27216E-01	484870.3	3741729.6	436.0	5.00	50.30	1.40	YES
VOL16	0	0.27216E-01	484435.7	3741947.8	459.9	5.00	50.30	1.40	YES
VOL17	0	0.27216E-01	484607.2	3741945.9	448.5	5.00	50.30	1.40	YES
VOL18	0	0.27216E-01	484772.0	3741947.8	440.5	5.00	50.30	1.40	YES
VOL19	0	0.27216E-01	484970.2	3741949.8	431.7	5.00	50.30	1.40	YES
VOL20	0	0.27216E-01	484435.7	3742166.1	456.5	5.00	50.30	1.40	

YES
VOL21 0 0.27216E-01 484641.8 3742166.1 447.2 5.00 50.30 1.40
YES
VOL22 0 0.27216E-01 484841.6 3742164.5 439.2 5.00 50.30 1.40
YES
VOL23 0 0.27216E-01 485044.6 3742165.3 431.2 5.00 50.30 1.40
YES
VOL24 0 0.27216E-01 484436.5 3742387.3 456.4 5.00 50.30 1.40
YES
VOL25 0 0.27216E-01 484650.5 3742382.3 447.5 5.00 50.30 1.40
YES
VOL26 0 0.27216E-01 484867.8 3742382.3 439.7 5.00 50.30 1.40
YES
VOL27 0 0.27216E-01 485083.4 3742384.0 431.9 5.00 50.30 1.40
YES
VOL28 0 0.27216E-01 484436.5 3742601.3 456.4 5.00 50.30 1.40
YES
VOL29 0 0.27216E-01 484653.8 3742597.9 449.2 5.00 50.30 1.40
YES
VOL30 0 0.27216E-01 484869.4 3742597.9 442.0 5.00 50.30 1.40
YES
VOL31 0 0.27216E-01 485086.7 3742599.6 434.8 5.00 50.30 1.40
YES
VOL33 0 0.27216E-01 484438.2 3742815.2 461.4 5.00 50.30 1.40
YES
VOL34 0 0.27216E-01 484653.8 3742813.5 453.1 5.00 50.30 1.40
YES
VOL35 0 0.27216E-01 484871.1 3742813.5 444.9 5.00 50.30 1.40
YES
VOL36 0 0.27216E-01 485086.7 3742815.2 439.0 5.00 50.30 1.40
YES
VOL37 0 0.27216E-01 485297.3 3742815.2 433.7 5.00 50.30 1.40
YES
VOL38 0 0.27216E-01 484520.1 3742913.8 459.9 5.00 50.30 1.40
YES
VOL39 0 0.27216E-01 484657.2 3743029.2 456.3 5.00 50.30 1.40
YES
VOL40 0 0.27216E-01 484869.4 3743029.2 448.1 5.00 50.30 1.40
YES
VOL41 0 0.27216E-01 485081.7 3743032.5 443.0 5.00 50.30 1.40
YES
VOL42 0 0.27216E-01 485299.0 3743034.2 438.7 5.00 50.30 1.40
YES

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
VOL43	0	0.27216E-01	485424.4	3742957.3	433.2	5.00	50.30	1.40
YES								
VOL44	0	0.27216E-01	485422.7	3743172.9	437.1	5.00	50.30	1.40

```
 YES
 VOL45           0   0.27216E-01  484844.4 3743194.6   451.9     5.00    50.30     1.40
 YES
 VOL46           0   0.27216E-01  485065.0 3743244.8   447.2     5.00    50.30     1.40
 YES
 VOL47           0   0.27216E-01  485208.7 3743248.1   443.7     5.00    50.30     1.40
 YES
 VOL48           0   0.27216E-01  485209.7 3742638.5   432.0     5.00    50.30     1.40
 YES
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:23:18

                     PAGE   4
 *** 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        ,

             VOL10       , VOL11       , VOL12       , VOL13       , VOL14       , VOL15       ,
             VOL16       , VOL17       ,

             VOL18       , VOL19       , VOL20       , VOL21       , VOL22       , VOL23       ,
             VOL24       , VOL25       ,

             VOL26       , VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
             VOL33       , VOL34       ,

             VOL35       , VOL36       , VOL37       , VOL38       , VOL39       , VOL40       ,
             VOL41       , VOL42       ,

             VOL43       , VOL44       , VOL45       , VOL46       , VOL47       , VOL48       ,
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:23:18

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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        ,

             VOL10       , VOL11       , VOL12       , VOL13       , VOL14       , VOL15       ,
             VOL16       , VOL17       ,

             VOL18       , VOL19       , VOL20       , VOL21       , VOL22       , VOL23       ,
             VOL24       , VOL25       ,

             VOL26       , VOL27       , VOL28       , VOL29       , VOL30       , VOL31       ,
```

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

(483662.3, 3742990.9, 490.5, 817.0, 2.0); (483660.9, 3743037.8, 489.1, 817.0, 2.0);
(483632.7, 3742966.8, 490.2, 817.0, 2.0); (483627.2, 3742954.5, 491.7, 817.0, 2.0);
(483594.9, 3742937.7, 491.3, 817.0, 2.0); (483590.4, 3742925.4, 492.1, 817.0, 2.0);
(483326.9, 3742783.9, 488.8, 765.0, 2.0); (483322.8, 3742801.6, 486.9, 765.0, 2.0);
(483251.4, 3742776.6, 488.3, 765.0, 2.0); (483477.5, 3742955.4, 479.9, 817.0, 2.0);
(483360.2, 3742974.4, 474.4, 817.0, 2.0); (483306.1, 3742974.8, 473.3, 817.0, 2.0);
(483361.9, 3743014.1, 473.1, 817.0, 2.0); (483093.6, 3742973.4, 467.5, 765.0, 2.0);
(483361.3, 3743031.5, 472.7, 817.0, 2.0); (483360.0, 3743046.3, 472.7, 817.0, 2.0);
(483359.3, 3743062.7, 472.4, 817.0, 2.0); (483358.8, 3743077.8, 471.9, 817.0, 2.0);
(483358.6, 3743093.1, 471.4, 817.0, 2.0); (483358.6, 3743108.2, 470.9, 817.0, 2.0);
(483359.1, 3743122.8, 470.6, 817.0, 2.0); (483219.9, 3742777.5, 488.1, 765.0, 2.0);
(483188.2, 3742774.0, 488.1, 765.0, 2.0); (483154.5, 3742774.0, 486.2, 765.0, 2.0);
(487352.8, 3742161.7, 438.6, 817.0, 2.0); (487594.1, 3742883.9, 438.0, 817.0, 2.0);
(487740.6, 3742878.4, 440.0, 817.0, 2.0); (487781.3, 3742945.8, 440.0, 817.0, 2.0);
(487901.0, 3742678.9, 444.0, 817.0, 2.0); (487832.0, 3742515.9, 444.0, 817.0, 2.0);
(487713.5, 3742284.6, 443.8, 817.0, 2.0); (487751.0, 3742334.2, 444.0, 817.0, 2.0);
(487773.1, 3742367.1, 444.0, 817.0, 2.0); (487208.3, 3741774.0, 442.7, 442.7, 2.0);
(487676.3, 3741967.0, 444.0, 444.0, 2.0); (487659.2, 3741865.1, 444.0, 444.0, 2.0);
(487452.2, 3741715.0, 444.0, 444.0, 2.0); (487493.0, 3741728.4, 444.1, 444.1, 2.0);
(487419.5, 3741700.0, 444.2, 444.2, 2.0); (486863.5, 3741608.5, 442.1, 442.1, 2.0);
(483305.4, 3742774.7, 489.4, 765.0, 2.0); (483252.4, 3742826.8, 480.7, 765.0, 2.0);
(483248.0, 3742883.9, 476.5, 765.0, 2.0); (483271.0, 3742977.4, 472.3, 817.0, 2.0);
(483236.4, 3742974.4, 471.3, 817.0, 2.0); (483204.2, 3742969.9, 470.4, 816.0, 2.0);
(483020.3, 3742969.9, 466.9, 765.0, 2.0); (482990.5, 3742969.4, 466.2, 765.0, 2.0);

(482948.5, 3742964.6, 466.0, 765.0, 2.0); (482511.1, 3742964.1, 459.5, 765.0, 2.0);
(482169.1, 3742722.0, 464.6, 765.0, 2.0); (482205.4, 3742635.3, 467.8, 765.0, 2.0);
(482226.6, 3742575.1, 467.5, 765.0, 2.0); (482236.8, 3742526.7, 467.2, 765.0, 2.0);
(482300.1, 3742439.2, 469.5, 765.0, 2.0); (482300.1, 3742368.1, 466.4, 765.0, 2.0);
(482300.1, 3742329.5, 463.9, 765.0, 2.0); (482300.1, 3742219.7, 461.8, 765.0, 2.0);
(482300.8, 3742167.1, 460.9, 765.0, 2.0); (482291.7, 3742092.5, 458.3, 765.0, 2.0);
(482290.2, 3741997.9, 458.0, 765.0, 2.0); (482287.9, 3741884.7, 454.9, 765.0, 2.0);
(482291.0, 3741799.2, 451.2, 765.0, 2.0); (482896.8, 3741725.4, 464.6, 765.0, 2.0);
(482014.2, 3741605.1, 443.9, 765.0, 2.0); (481759.7, 3741616.2, 440.3, 765.0, 2.0);
(481782.5, 3741558.9, 441.0, 765.0, 2.0); (481738.7, 3741497.2, 440.0, 765.0, 2.0);
(482899.2, 3741347.8, 456.0, 765.0, 2.0); (482905.5, 3741318.6, 456.0, 765.0, 2.0);
(483094.8, 3741257.0, 460.7, 765.0, 2.0); (483086.1, 3741104.7, 456.5, 765.0, 2.0);
(483094.0, 3740957.5, 454.9, 765.0, 2.0); (483086.1, 3740568.1, 451.5, 585.0, 2.0);
(483009.2, 3740676.8, 450.0, 585.0, 2.0); (482810.6, 3740169.8, 439.9, 439.9, 2.0);
(482698.8, 3740092.2, 437.7, 437.7, 2.0); (482380.1, 3739846.6, 434.0, 434.0, 2.0);
(482715.4, 3739916.3, 435.3, 435.3, 2.0); (482244.7, 3739706.9, 432.7, 432.7, 2.0);
(482220.6, 3739522.6, 432.0, 432.0, 2.0); (480667.0, 3738428.5, 432.0, 432.0, 2.0);
(484755.3, 3740097.2, 430.0, 533.0, 2.0); (485120.8, 3740097.2, 432.0, 432.0, 2.0);
(485335.3, 3739977.1, 433.0, 433.0, 2.0); (485534.8, 3740109.1, 434.0, 434.0, 2.0);
(485966.3, 3739987.3, 443.8, 800.0, 2.0); (485941.6, 3739925.6, 443.7, 800.0, 2.0);
(485621.3, 3740251.5, 434.5, 434.5, 2.0); (485943.6, 3739842.8, 444.1, 800.0, 2.0);

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

(485942.0, 3739796.7, 444.7, 811.0, 2.0); (485915.8, 3740153.5, 439.8, 800.0, 2.0);
(485964.5, 3740221.6, 438.5, 800.0, 2.0); (485690.2, 3740369.5, 434.3, 434.3, 2.0);
(485710.3, 3740401.3, 434.5, 434.5, 2.0); (485747.4, 3740462.6, 434.1, 434.1, 2.0);
(485787.5, 3740530.0, 434.0, 434.0, 2.0); (485847.4, 3740607.3, 434.0, 434.0, 2.0);
(485870.5, 3740093.4, 439.8, 800.0, 2.0); (486164.9, 3740527.6, 438.0, 800.0, 2.0);
(486230.3, 3740623.1, 438.0, 800.0, 2.0); (486330.8, 3740777.2, 439.7, 800.0, 2.0);

(486099.6, 3740920.9, 436.0, 436.0, 2.0); (486230.6, 3740573.4, 438.4, 800.0, 2.0);
(486472.3, 3741103.2, 440.0, 440.0, 2.0); (486495.6, 3741156.2, 440.1, 440.1, 2.0);
(486505.7, 3741190.3, 440.0, 440.0, 2.0); (486565.2, 3741320.1, 439.0, 439.0, 2.0);
(486507.2, 3741478.9, 437.6, 765.0, 2.0); (486592.8, 3741437.6, 438.4, 438.4, 2.0);
(486467.5, 3741620.8, 436.2, 817.0, 2.0); (486455.4, 3741644.5, 436.0, 817.0, 2.0);
(486633.2, 3741551.2, 439.0, 765.0, 2.0); (486717.5, 3741579.2, 440.6, 440.6, 2.0);
(486897.7, 3741647.7, 442.0, 442.0, 2.0); (486752.2, 3741648.3, 440.7, 440.7, 2.0);
(487191.5, 3741622.8, 444.8, 444.8, 2.0); (487025.9, 3741639.9, 444.0, 444.0, 2.0);
(487133.3, 3741576.5, 445.3, 445.3, 2.0); (488012.2, 3743217.0, 442.0, 817.0, 2.0);
(487998.8, 3743333.8, 441.3, 817.0, 2.0); (488029.1, 3743389.4, 441.3, 817.0, 2.0);
(488022.0, 3743408.6, 441.0, 817.0, 2.0); (483362.0, 3743140.4, 470.7, 817.0, 2.0);
(483361.3, 3743154.3, 470.4, 817.0, 2.0); (483360.7, 3743170.7, 469.9, 817.0, 2.0);
(483360.0, 3743171.3, 469.8, 817.0, 2.0); (483361.0, 3743184.2, 469.4, 817.0, 2.0);
(483361.3, 3743200.3, 468.9, 817.0, 2.0); (483362.0, 3743217.4, 468.7, 817.0, 2.0);
(483362.0, 3743230.9, 468.7, 817.0, 2.0); (483362.0, 3743247.9, 468.3, 817.0, 2.0);
(483362.0, 3743261.1, 467.9, 817.0, 2.0); (483363.6, 3743276.9, 467.8, 817.0, 2.0);
(483366.1, 3743297.8, 467.9, 817.0, 2.0); (483342.6, 3743400.5, 466.2, 817.0, 2.0);
(482875.3, 3743418.0, 454.0, 817.0, 2.0); (482893.9, 3743449.0, 454.1, 817.0, 2.0);
(482802.6, 3743396.8, 453.1, 817.0, 2.0); (482881.8, 3743436.5, 454.0, 817.0, 2.0);
(482070.3, 3742959.5, 446.7, 765.0, 2.0); (482359.5, 3742961.8, 454.5, 765.0, 2.0);
(488147.6, 3744011.1, 437.0, 817.0, 2.0); (488355.6, 3743593.9, 444.0, 817.0, 2.0);
(487855.3, 3743109.8, 441.0, 817.0, 2.0); (487831.3, 3743023.5, 440.7, 817.0, 2.0);
(485884.3, 3741909.5, 431.0, 817.0, 2.0); (485820.3, 3741815.9, 431.0, 817.0, 2.0);
(485772.7, 3741740.4, 431.0, 817.0, 2.0); (485707.0, 3741661.6, 431.0, 817.0, 2.0);
(485649.6, 3741582.8, 431.0, 817.0, 2.0); (485579.0, 3741477.8, 431.0, 817.0, 2.0);
(485505.1, 3741362.8, 431.0, 765.0, 2.0); (485441.1, 3741261.1, 431.0, 765.0, 2.0);
(485595.4, 3741187.2, 431.1, 765.0, 2.0); (486002.5, 3741875.0, 432.0, 817.0, 2.0);
(485745.1, 3741113.1, 432.0, 765.0, 2.0); (485695.9, 3741010.1, 432.0, 765.0, 2.0);
(485643.3, 3740916.6, 432.0, 765.0, 2.0); (485574.4, 3740788.5, 432.0, 765.0, 2.0);
(485518.6, 3740660.5, 433.0, 765.0, 2.0); (485431.6, 3740497.9, 433.0, 433.0, 2.0);
(485357.7, 3740369.9, 432.0, 432.0, 2.0); (485292.0, 3740246.8, 432.0, 432.0, 2.0);
(485243.3, 3740149.9, 432.0, 432.0, 2.0); (484701.0, 3740109.8, 430.0, 533.0, 2.0);
(484611.2, 3740109.8, 430.0, 533.0, 2.0); (484525.5, 3740111.8, 430.0, 533.0, 2.0);

```
     ( 484424.7, 3740110.8,     430.0,     585.0,       2.0);         ( 484326.9, 3740110.8,
     431.1,     585.0,       2.0);
     ( 484236.1, 3740110.8,     432.0,     585.0,       2.0);         ( 484149.4, 3740109.8,
     432.8,     585.0,       2.0);
     ( 484067.8, 3740108.8,     432.9,     585.0,       2.0);         ( 483983.0, 3740110.8,
     433.9,     585.0,       2.0);
     ( 484306.2, 3740724.7,     457.8,     765.0,       2.0);         ( 484307.1, 3740669.0,
     451.3,     765.0,       2.0);
     ( 484305.4, 3740611.5,     447.8,     765.0,       2.0);         ( 484303.0, 3740549.6,
     444.8,     765.0,       2.0);
     ( 484307.1, 3740473.3,     439.6,     765.0,       2.0);         ( 484305.5, 3740397.7,
     437.2,     765.0,       2.0);
```

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

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

     ( 484303.8, 3740309.1,     434.4,     585.0,       2.0);         ( 484302.2, 3740233.5,
     432.9,     585.0,       2.0);
     ( 484294.0, 3742079.4,     469.2,     765.0,       2.0);         ( 484294.0, 3742181.3,
     466.6,     817.0,       2.0);
     ( 484290.7, 3742271.6,     465.6,     817.0,       2.0);         ( 484294.0, 3742384.9,
     463.4,     817.0,       2.0);
     ( 484289.0, 3742490.0,     463.7,     817.0,       2.0);         ( 484290.7, 3742596.8,
     463.5,     817.0,       2.0);
     ( 484289.0, 3742711.7,     465.3,     817.0,       2.0);         ( 484272.6, 3742813.5,
     468.8,     817.0,       2.0);
     ( 484251.3, 3742890.7,     474.4,     817.0,       2.0);         ( 483927.7, 3743317.7,
     622.8,     765.0,       2.0);
     ( 485532.6, 3743420.2,     437.9,     817.0,       2.0);         ( 485459.0, 3743418.2,
     440.4,     817.0,       2.0);
     ( 485383.4, 3743416.1,     442.9,     817.0,       2.0);         ( 485290.6, 3743410.1,
     445.0,     817.0,       2.0);
     ( 485192.7, 3743405.0,     447.0,     817.0,       2.0);         ( 485106.0, 3743406.1,
     450.8,     817.0,       2.0);
     ( 485005.1, 3743407.1,     451.2,     817.0,       2.0);         ( 484905.3, 3743410.1,
     456.4,     817.0,       2.0);
     ( 486942.5, 3743532.8,     432.0,     817.0,
     2.0);
```

```
 *** 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 1 1  1 1 1 1 1 1 1 1 1
           1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
           1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
           1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1 1  1 1 1 1 1 1 1 1 1
```

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

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

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

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5

```
 10 01 01   1 10   56.7  0.087  0.560  0.010  107.   62.     -1.0  0.19   0.61   0.26    0.40
188.    9.1  289.2    5.5
 10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61   0.23    2.70
310.    9.1  290.9    5.5
 10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61   0.22    2.20
357.    9.1  293.1    5.5
 10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61   0.22    2.20
356.    9.1  293.8    5.5
 10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61   0.23    2.20
50.    9.1  294.2    5.5
 10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61   0.27    1.80
53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:23:18

                     PAGE  11
 *** 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        , VOL10       , VOL11       ,
                   VOL12       , VOL13       , VOL14       ,
                   VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                   VOL20       , VOL21       , VOL22       ,
                   VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                   VOL28       , VOL29       ,  . . .      ,

                                          *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
```

483662.28 3742990.90 6.85890 (11090522) 483660.92
3743037.77 6.79014 (14072802)
483632.71 3742966.78 6.87370 (11090522) 483627.25
3742954.49 6.77075 (11090522)
483594.94 3742937.66 6.75230 (15073103) 483590.39
3742925.37 6.72858 (15073103)
483326.92 3742783.86 6.42147 (10082104) 483322.83
3742801.60 6.44438 (15062422)
483251.38 3742776.57 6.24427 (10082104) 483477.54
3742955.40 6.78682 (11090522)
483360.24 3742974.39 6.28062 (11090522) 483306.13
3742974.79 6.06363 (11090522)
483361.93 3743014.11 6.16548 (11090522) 483093.56
3742973.36 5.00075 (11090522)
483361.29 3743031.51 6.10150 (11090522) 483359.96
3743046.35 6.05770 (11090522)
483359.27 3743062.67 5.99970 (16102119) 483358.76
3743077.79 5.92381 (16102119)
483358.58 3743093.09 5.85977 (14072802) 483358.58
3743108.21 5.79763 (14072802)
483359.10 3743122.81 5.75459 (14072802) 483219.94
3742777.51 6.16077 (10082104)
483188.19 3742774.03 6.08541 (10082104) 483154.49
3742774.03 6.03849 (10062520)
487352.85 3742161.74 1.37354 (15100118) 487594.10
3742883.93 1.25684 (15121924)
487740.59 3742878.41 1.22108 (15121924) 487781.26
3742945.81 1.20164 (15111523)
487900.95 3742678.93 1.35488 (10101218) 487832.01
3742515.86 1.35906 (10030218)
487713.48 3742284.61 1.38678 (11090722) 487751.05
3742334.19 1.37752 (10060220)
487773.13 3742367.11 1.36542 (10060220) 487208.30
3741773.97 1.52169 (10082522)
487676.34 3741966.97 1.37762 (15100118) 487659.19
3741865.11 1.35673 (15100118)
487452.24 3741714.99 1.42517 (15080522) 487492.98
3741728.39 1.40770 (11071722)
487419.53 3741699.98 1.45185 (15080522) 486863.50
3741608.53 1.63249 (10082420)
483305.42 3742774.69 6.35693 (10082104) 483252.39
3742826.78 6.34773 (15062422)
483248.01 3742883.93 6.15369 (15073103) 483271.02
3742977.45 5.89912 (11090522)
483236.43 3742974.42 5.72858 (11090522) 483204.18
3742969.89 5.56938 (11090522)
483020.32 3742969.89 4.76045 (11090522) 482990.46
3742969.37 4.61084 (11090522)
482948.55 3742964.65 4.49958 (11090522) 482511.10
3742964.13 3.16042 (14090721)
482169.09 3742721.99 3.36419 (10082001) 482205.43
3742635.31 3.80084 (15062422)
482226.62 3742575.13 3.79244 (10062520) 482236.84
3742526.68 3.79569 (14091921)
482300.06 3742439.24 4.13527 (11090804) 482300.06
3742368.08 3.90435 (15071721)
482300.06 3742329.47 3.62099 (15071721) 482300.06
3742219.70 3.37524 (15062421)
482300.81 3742167.09 3.33463 (16062321) 482291.73
3742092.52 2.96603 (15062421)
482290.21 3741997.89 2.92794 (15101321) 482287.94
3741884.71 2.70278 (11081820)
482290.97 3741799.17 2.33781 (11081820) 482896.84
3741725.43 5.02469 (16072820)
482014.24 3741605.12 1.44071 (10062901) 481759.68
3741616.21 1.13443 (10062901)

*** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
481782.49	3741558.89	1.15754	(10062901)	481738.72	3741497.25	1.11673	(10062901)
482899.19	3741347.84	3.75665	(14091624)	482905.50	3741318.60	3.78076	(14091624)
483094.76	3741256.97	4.79223	(16110820)	483086.06	3741104.69	4.12782	(16060724)
483094.04	3740957.48	3.98114	(11090821)	483086.06	3740568.07	3.31086	(10100118)
483009.20	3740676.84	2.88493	(15090905)	482810.58	3740169.82	1.57614	(10080420)
482698.82	3740092.19	1.39156	(10080420)	482380.08	3739846.62	1.04270	(11082022)
482715.43	3739916.28	1.29897	(14100721)	482244.68	3739706.94	0.97739	(11082022)
482220.64	3739522.63	0.94842	(14100721)	480667.03	3738428.48	0.56412	(11082022)
484755.27	3740097.17	2.86126	(16102019)	485120.82	3740097.17	2.04974	(14092319)
485335.35	3739977.14	1.71734	(15062020)	485534.79	3740109.14	1.62004	(15081219)
485966.31	3739987.30	1.85875	(14091422)	485941.65	3739925.65	1.82734	(11082521)
485621.34	3740251.52	1.65192	(15080520)	485943.59	3739842.81	1.80242	(11082521)
485942.02	3739796.70	1.81830	(11082521)	485915.82	3740153.53	1.68191	(15081521)
485964.55	3740221.65	1.63326	(14091419)	485690.25	3740369.51	1.66443	(10082619)
485710.31	3740401.31	1.67032	(10082619)	485747.41	3740462.64	1.64960	(15101507)
485787.54	3740530.03	1.67108	(15101507)	485847.36	3740607.26	1.67692	(15101507)
485870.49	3740093.39	1.68014	(10071620)	486164.92	3740527.57	1.64120	(11082621)
486230.27	3740623.12	1.63540	(10082622)	486330.75	3740777.24	1.65199	(16083119)
486099.57	3740920.88	1.79087	(16083119)	486230.56	3740573.44	1.61844	(10082622)

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      486472.35   3741103.24        1.66319  (10071421)               486495.56
      3741156.19        1.65418  (14072822)
      486505.71   3741190.27        1.65601  (14072822)               486565.19
      3741320.10        1.65066  (15082320)
      486507.16   3741478.93        1.64789  (10082124)               486592.75
      3741437.59        1.65439  (15082320)
      486467.45   3741620.75        1.68964  (11070604)               486455.41
      3741644.54        1.71049  (11070604)
      486633.17   3741551.18        1.65420  (10082124)               486717.51
      3741579.21        1.61695  (10082124)
      486897.68   3741647.66        1.61107  (16072221)               486752.18
      3741648.28        1.60610  (10082124)
      487191.46   3741622.85        1.58577  (10082022)               487025.90
      3741639.92        1.65861  (14091220)
      487133.34   3741576.51        1.70539  (10082022)               488012.16
      3743217.05        1.23670  (15111523)
      487998.80   3743333.76        1.18117  (16092818)               488029.09
      3743389.44        1.17645  (16092818)
      488021.96   3743408.60        1.17870  (16092818)               483361.96
      3743140.42        5.73516  (14072802)
      483361.31   3743154.26        5.67849  (14072802)               483360.67
      3743170.68        5.61416  (15091020)
      483360.02   3743171.33        5.60730  (15091020)               483360.99
      3743184.20        5.56377  (15091020)
      483361.31   3743200.30        5.49602  (15091020)               483361.96
      3743217.36        5.46287  (15091020)
      483361.96   3743230.88        5.44765  (15091020)               483361.96
      3743247.94        5.38187  (15091020)
      483361.96   3743261.14        5.31188  (15091020)               483363.57
      3743276.91        5.27747  (15091020)
      483366.14   3743297.84        5.25640  (15091020)               483342.64
      3743400.52        4.79632  (16091819)
      482875.35   3743417.98        2.68735  (14083119)               482893.91
      3743449.04        2.69618  (14083119)
      482802.63   3743396.77        2.57392  (14083119)               482881.79
      3743436.54        2.68462  (14083119)
      482070.28   3742959.52        1.52762  (14071420)               482359.49
      3742961.75        2.43139  (14090721)
      488147.65   3744011.06        0.98655  (10042019)               488355.64
      3743593.90        1.23780  (15090619)
      487855.29   3743109.83        1.22428  (15111523)               487831.34
      3743023.47        1.21496  (15111523)
      485884.32   3741909.49        3.06512  (15101507)               485820.30
      3741815.92        3.15960  (15101507)
      485772.69   3741740.41        3.21492  (15101507)               485707.03
      3741661.61        3.32362  (15101507)
      485649.57   3741582.82        3.39613  (15101507)               485578.98
      3741477.76        3.45782  (15101507)
      485505.11   3741362.84        3.49589  (15101507)               485441.09
      3741261.06        3.51118  (15101507)
      485595.40   3741187.19        2.85814  (15101507)               486002.51
      3741875.02        2.66927  (15101507)
      485745.13   3741113.07        2.39016  (15101507)               485695.88
      3741010.14        2.35485  (15101507)
      485643.35   3740916.57        2.33226  (15101507)               485574.40
      3740788.52        2.28600  (15101507)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       09:23:18

                     PAGE  13
 *** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
485518.59	3740660.47	2.20602	(15101507)	485431.58	3740497.94	2.11554	(15101507)
485357.70	3740369.90	2.03499	(15101507)	485292.04	3740246.77	1.93442	(15101507)
485243.34	3740149.91	1.92559	(15062020)	484700.97	3740109.82	3.09011	(11090621)
484611.23	3740109.82	3.44785	(11090621)	484525.52	3740111.83	3.87929	(10092420)
484424.69	3740110.82	4.08621	(14091319)	484326.88	3740110.82	3.97153	(14042920)
484236.14	3740110.82	3.73623	(15051418)	484149.42	3740109.82	3.17550	(10092619)
484067.75	3740108.81	2.86916	(10092619)	483983.05	3740110.82	2.59878	(10092619)
484306.22	3740724.68	11.00966	(14073121)	484307.08	3740668.97	10.07501	(14072802)
484305.37	3740611.54	9.54864	(11082922)	484303.01	3740549.61	8.41825	(11010316)
484307.10	3740473.28	7.63308	(15101507)	484305.46	3740397.74	7.67975	(11010316)
484303.82	3740309.06	6.76521	(11010316)	484302.18	3740233.51	5.46468	(15051418)
484293.97	3742079.44	16.88736	(16072421)	484293.97	3742181.26	15.96946	(10092621)
484290.68	3742271.59	15.87913	(10092621)	484293.96	3742384.90	15.78665	(16083019)
484289.04	3742490.01	15.25646	(16072820)	484290.68	3742596.76	15.28330	(14090720)
484289.04	3742711.72	13.78970	(14090620)	484272.62	3742813.54	15.04911	(15062421)
484251.27	3742890.73	13.50291	(11090522)	483927.74	3743317.73	5.40550	(10060619)
485532.63	3743420.18	8.18150	(14041207)	485459.00	3743418.16	8.99013	(11082722)
485383.36	3743416.14	10.68484	(16031519)	485290.56	3743410.09	11.43100	(14041207)
485192.73	3743405.05	13.97504	(16092719)	485105.99	3743406.06	15.46403	(16092719)
485005.14	3743407.07	13.48382	(15072721)	484905.29	3743410.09	13.99385	(16092719)
486942.50	3743532.82	1.45153	(15110220)				

*** THE SUMMARY OF HIGHEST 1-HR RESULTS ***

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

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	1ST HIGH VALUE IS	16.88736	ON 16072421: AT (484293.97, 3742079.44, 469.17, 765.00, 2.00)	DC	

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

FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\ *** 05/03/23
*** AERMET - VERSION 16216 ***
*** *** 09:23:18

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

******** WARNING MESSAGES ********

ME W186	155	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used		0.50
ME W187	155	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET		
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:		14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:		2 year gap

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

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/3/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Ops With MCP\13265 Ops
PM10\13265 Ops PM10.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_10
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Ops PM10.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484569.459  3740634.269      436.290
   LOCATION VOL4         VOLUME     484593.056  3740854.507      440.230
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484500.152  3741156.187      463.110
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
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   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485209.682  3742638.493      432.000
** Source Parameters **
   SRCPARAM VOL1         0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL2         0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL3         0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL4         0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL5         0.0036539385     5.000    50.305     1.400
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   SRCPARAM VOL7         0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL8         0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL10        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL11        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL12        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL13        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL14        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL15        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL16        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL17        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL18        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL19        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL20        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL21        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL22        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL23        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL24        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL25        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL26        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL27        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL28        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL29        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL30        0.0036539385     5.000    50.305     1.400
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   SRCPARAM VOL35        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL36        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL37        0.0036539385     5.000    50.305     1.400
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   SRCPARAM VOL39        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL40        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL41        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL42        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL43        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL44        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL45        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL46        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL47        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL48        0.0036539385     5.000    50.305     1.400
   URBANSRC ALL
   SRCGROUP ALL
```

```
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Ops PM10.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "13265 OPS PM10.AD\24H1GALL.PLT" 31
   SUMMFILE "13265 Ops PM10.sum"
OU FINISHED
**
**************************************
** Project Parameters
**************************************
** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
**
```

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/3/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Ops With MCP\13265 Ops
PM10\13265 Ops PM10.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_10
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Ops PM10.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484569.459  3740634.269      436.290
   LOCATION VOL4         VOLUME     484593.056  3740854.507      440.230
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484500.152  3741156.187      463.110
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
```

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   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485209.682  3742638.493      432.000
** Source Parameters **
   SRCPARAM VOL1         0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL2         0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL3         0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL4         0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL5         0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL6         0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL7         0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL8         0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL10        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL11        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL12        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL13        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL14        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL15        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL16        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL17        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL18        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL19        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL20        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL21        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL22        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL23        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL24        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL25        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL26        0.0036539385     5.000    50.305     1.400
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   SRCPARAM VOL28        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL29        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL30        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL31        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL33        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL34        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL35        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL36        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL37        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL38        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL39        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL40        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL41        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL42        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL43        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL44        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL45        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL46        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL47        0.0036539385     5.000    50.305     1.400
   SRCPARAM VOL48        0.0036539385     5.000    50.305     1.400
   URBANSRC ALL
```

```
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Ops PM10.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "13265 OPS PM10.AD\24H1GALL.PLT" 31
   SUMMFILE "13265 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     155       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     155       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:28:05
```

*** 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 46 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: 46 Source(s); 1 Source Group(s); and 201 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 46 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) = 442.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)
VOL1	0	0.36539E-02	484430.8	3740413.0	434.6	5.00	50.30	1.40
YES								
VOL2	0	0.36539E-02	484431.8	3740634.3	442.9	5.00	50.30	1.40
YES								
VOL3	0	0.36539E-02	484569.5	3740634.3	436.3	5.00	50.30	1.40
YES								
VOL4	0	0.36539E-02	484593.1	3740854.5	440.2	5.00	50.30	1.40
YES								
VOL5	0	0.36539E-02	484604.9	3741070.8	448.3	5.00	50.30	1.40
YES								
VOL6	0	0.36539E-02	484500.2	3741156.2	463.1	5.00	50.30	1.40
YES								
VOL7	0	0.36539E-02	484433.8	3741291.0	468.5	5.00	50.30	1.40
YES								
VOL8	0	0.36539E-02	484618.6	3741291.0	453.1	5.00	50.30	1.40
YES								
VOL10	0	0.36539E-02	484435.7	3741505.4	465.8	5.00	50.30	1.40
YES								
VOL11	0	0.36539E-02	484626.5	3741507.4	449.9	5.00	50.30	1.40
YES								
VOL12	0	0.36539E-02	484733.4	3741510.5	442.6	5.00	50.30	1.40
YES								
VOL13	0	0.36539E-02	484433.8	3741727.6	465.1	5.00	50.30	1.40
YES								
VOL14	0	0.36539E-02	484652.0	3741727.6	445.5	5.00	50.30	1.40
YES								
VOL15	0	0.36539E-02	484870.3	3741729.6	436.0	5.00	50.30	1.40
YES								
VOL16	0	0.36539E-02	484435.7	3741947.8	459.9	5.00	50.30	1.40
YES								
VOL17	0	0.36539E-02	484607.2	3741945.9	448.5	5.00	50.30	1.40
YES								
VOL18	0	0.36539E-02	484772.0	3741947.8	440.5	5.00	50.30	1.40
YES								
VOL19	0	0.36539E-02	484970.2	3741949.8	431.7	5.00	50.30	1.40
YES								
VOL20	0	0.36539E-02	484435.7	3742166.1	456.5	5.00	50.30	1.40

YES
VOL21 0 0.36539E-02 484641.8 3742166.1 447.2 5.00 50.30 1.40
YES
VOL22 0 0.36539E-02 484841.6 3742164.5 439.2 5.00 50.30 1.40
YES
VOL23 0 0.36539E-02 485044.6 3742165.3 431.2 5.00 50.30 1.40
YES
VOL24 0 0.36539E-02 484436.5 3742387.3 456.4 5.00 50.30 1.40
YES
VOL25 0 0.36539E-02 484650.5 3742382.3 447.5 5.00 50.30 1.40
YES
VOL26 0 0.36539E-02 484867.8 3742382.3 439.7 5.00 50.30 1.40
YES
VOL27 0 0.36539E-02 485083.4 3742384.0 431.9 5.00 50.30 1.40
YES
VOL28 0 0.36539E-02 484436.5 3742601.3 456.4 5.00 50.30 1.40
YES
VOL29 0 0.36539E-02 484653.8 3742597.9 449.2 5.00 50.30 1.40
YES
VOL30 0 0.36539E-02 484869.4 3742597.9 442.0 5.00 50.30 1.40
YES
VOL31 0 0.36539E-02 485086.7 3742599.6 434.8 5.00 50.30 1.40
YES
VOL33 0 0.36539E-02 484438.2 3742815.2 461.4 5.00 50.30 1.40
YES
VOL34 0 0.36539E-02 484653.8 3742813.5 453.1 5.00 50.30 1.40
YES
VOL35 0 0.36539E-02 484871.1 3742813.5 444.9 5.00 50.30 1.40
YES
VOL36 0 0.36539E-02 485086.7 3742815.2 439.0 5.00 50.30 1.40
YES
VOL37 0 0.36539E-02 485297.3 3742815.2 433.7 5.00 50.30 1.40
YES
VOL38 0 0.36539E-02 484520.1 3742913.8 459.9 5.00 50.30 1.40
YES
VOL39 0 0.36539E-02 484657.2 3743029.2 456.3 5.00 50.30 1.40
YES
VOL40 0 0.36539E-02 484869.4 3743029.2 448.1 5.00 50.30 1.40
YES
VOL41 0 0.36539E-02 485081.7 3743032.5 443.0 5.00 50.30 1.40
YES
VOL42 0 0.36539E-02 485299.0 3743034.2 438.7 5.00 50.30 1.40
YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
VOL43	0	0.36539E-02	485424.4	3742957.3	433.2	5.00	50.30	1.40
YES								
VOL44	0	0.36539E-02	485422.7	3743172.9	437.1	5.00	50.30	1.40

YES
VOL45 0 0.36539E-02 484844.4 3743194.6 451.9 5.00 50.30 1.40
YES
VOL46 0 0.36539E-02 485065.0 3743244.8 447.2 5.00 50.30 1.40
YES
VOL47 0 0.36539E-02 485208.7 3743248.1 443.7 5.00 50.30 1.40
YES
VOL48 0 0.36539E-02 485209.7 3742638.5 432.0 5.00 50.30 1.40
YES

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 , VOL31 , VOL33 , VOL34 , VOL35 , VOL36 , VOL37 , VOL38 , VOL39 , VOL40 , VOL41 , VOL42 , VOL43 , VOL44 , VOL45 , VOL46 , VOL47 , VOL48 ,

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

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 , VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 , VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 , VOL25 , VOL26 , VOL27 , VOL28 , VOL29 , VOL30 , VOL31 ,

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

(483662.3, 3742990.9, 490.5, 817.0, 2.0); (483660.9, 3743037.8, 489.1, 817.0, 2.0);
(483632.7, 3742966.8, 490.2, 817.0, 2.0); (483627.2, 3742954.5, 491.7, 817.0, 2.0);
(483594.9, 3742937.7, 491.3, 817.0, 2.0); (483590.4, 3742925.4, 492.1, 817.0, 2.0);
(483326.9, 3742783.9, 488.8, 765.0, 2.0); (483322.8, 3742801.6, 486.9, 765.0, 2.0);
(483251.4, 3742776.6, 488.3, 765.0, 2.0); (483477.5, 3742955.4, 479.9, 817.0, 2.0);
(483360.2, 3742974.4, 474.4, 817.0, 2.0); (483306.1, 3742974.8, 473.3, 817.0, 2.0);
(483361.9, 3743014.1, 473.1, 817.0, 2.0); (483093.6, 3742973.4, 467.5, 765.0, 2.0);
(483361.3, 3743031.5, 472.7, 817.0, 2.0); (483360.0, 3743046.3, 472.7, 817.0, 2.0);
(483359.3, 3743062.7, 472.4, 817.0, 2.0); (483358.8, 3743077.8, 471.9, 817.0, 2.0);
(483358.6, 3743093.1, 471.4, 817.0, 2.0); (483358.6, 3743108.2, 470.9, 817.0, 2.0);
(483359.1, 3743122.8, 470.6, 817.0, 2.0); (483219.9, 3742777.5, 488.1, 765.0, 2.0);
(483188.2, 3742774.0, 488.1, 765.0, 2.0); (483154.5, 3742774.0, 486.2, 765.0, 2.0);
(487352.8, 3742161.7, 438.6, 817.0, 2.0); (487594.1, 3742883.9, 438.0, 817.0, 2.0);
(487740.6, 3742878.4, 440.0, 817.0, 2.0); (487781.3, 3742945.8, 440.0, 817.0, 2.0);
(487901.0, 3742678.9, 444.0, 817.0, 2.0); (487832.0, 3742515.9, 444.0, 817.0, 2.0);
(487713.5, 3742284.6, 443.8, 817.0, 2.0); (487751.0, 3742334.2, 444.0, 817.0, 2.0);
(487773.1, 3742367.1, 444.0, 817.0, 2.0); (487208.3, 3741774.0, 442.7, 442.7, 2.0);
(487676.3, 3741967.0, 444.0, 444.0, 2.0); (487659.2, 3741865.1, 444.0, 444.0, 2.0);
(487452.2, 3741715.0, 444.0, 444.0, 2.0); (487493.0, 3741728.4, 444.1, 444.1, 2.0);
(487419.5, 3741700.0, 444.2, 444.2, 2.0); (486863.5, 3741608.5, 442.1, 442.1, 2.0);
(483305.4, 3742774.7, 489.4, 765.0, 2.0); (483252.4, 3742826.8, 480.7, 765.0, 2.0);
(483248.0, 3742883.9, 476.5, 765.0, 2.0); (483271.0, 3742977.4, 472.3, 817.0, 2.0);
(483236.4, 3742974.4, 471.3, 817.0, 2.0); (483204.2, 3742969.9, 470.4, 816.0, 2.0);
(483020.3, 3742969.9, 466.9, 765.0, 2.0); (482990.5, 3742969.4, 466.2, 765.0, 2.0);

(482948.5, 3742964.6, 466.0, 765.0, 2.0); (482511.1, 3742964.1, 459.5, 765.0, 2.0);
(482169.1, 3742722.0, 464.6, 765.0, 2.0); (482205.4, 3742635.3, 467.8, 765.0, 2.0);
(482226.6, 3742575.1, 467.5, 765.0, 2.0); (482236.8, 3742526.7, 467.2, 765.0, 2.0);
(482300.1, 3742439.2, 469.5, 765.0, 2.0); (482300.1, 3742368.1, 466.4, 765.0, 2.0);
(482300.1, 3742329.5, 463.9, 765.0, 2.0); (482300.1, 3742219.7, 461.8, 765.0, 2.0);
(482300.8, 3742167.1, 460.9, 765.0, 2.0); (482291.7, 3742092.5, 458.3, 765.0, 2.0);
(482290.2, 3741997.9, 458.0, 765.0, 2.0); (482287.9, 3741884.7, 454.9, 765.0, 2.0);
(482291.0, 3741799.2, 451.2, 765.0, 2.0); (482896.8, 3741725.4, 464.6, 765.0, 2.0);
(482014.2, 3741605.1, 443.9, 765.0, 2.0); (481759.7, 3741616.2, 440.3, 765.0, 2.0);
(481782.5, 3741558.9, 441.0, 765.0, 2.0); (481738.7, 3741497.2, 440.0, 765.0, 2.0);
(482899.2, 3741347.8, 456.0, 765.0, 2.0); (482905.5, 3741318.6, 456.0, 765.0, 2.0);
(483094.8, 3741257.0, 460.7, 765.0, 2.0); (483086.1, 3741104.7, 456.5, 765.0, 2.0);
(483094.0, 3740957.5, 454.9, 765.0, 2.0); (483086.1, 3740568.1, 451.5, 585.0, 2.0);
(483009.2, 3740676.8, 450.0, 585.0, 2.0); (482810.6, 3740169.8, 439.9, 439.9, 2.0);
(482698.8, 3740092.2, 437.7, 437.7, 2.0); (482380.1, 3739846.6, 434.0, 434.0, 2.0);
(482715.4, 3739916.3, 435.3, 435.3, 2.0); (482244.7, 3739706.9, 432.7, 432.7, 2.0);
(482220.6, 3739522.6, 432.0, 432.0, 2.0); (480667.0, 3738428.5, 432.0, 432.0, 2.0);
(484755.3, 3740097.2, 430.0, 533.0, 2.0); (485120.8, 3740097.2, 432.0, 432.0, 2.0);
(485335.3, 3739977.1, 433.0, 433.0, 2.0); (485534.8, 3740109.1, 434.0, 434.0, 2.0);
(485966.3, 3739987.3, 443.8, 800.0, 2.0); (485941.6, 3739925.6, 443.7, 800.0, 2.0);
(485621.3, 3740251.5, 434.5, 434.5, 2.0); (485943.6, 3739842.8, 444.1, 800.0, 2.0);

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

(485942.0, 3739796.7, 444.7, 811.0, 2.0); (485915.8, 3740153.5, 439.8, 800.0, 2.0);
(485964.5, 3740221.6, 438.5, 800.0, 2.0); (485690.2, 3740369.5, 434.3, 434.3, 2.0);
(485710.3, 3740401.3, 434.5, 434.5, 2.0); (485747.4, 3740462.6, 434.1, 434.1, 2.0);
(485787.5, 3740530.0, 434.0, 434.0, 2.0); (485847.4, 3740607.3, 434.0, 434.0, 2.0);
(485870.5, 3740093.4, 439.8, 800.0, 2.0); (486164.9, 3740527.6, 438.0, 800.0, 2.0);
(486230.3, 3740623.1, 438.0, 800.0, 2.0); (486330.8, 3740777.2, 439.7, 800.0, 2.0);

(486099.6, 3740920.9, 436.0, 436.0, 2.0); (486230.6, 3740573.4, 438.4, 800.0, 2.0);
(486472.3, 3741103.2, 440.0, 440.0, 2.0); (486495.6, 3741156.2, 440.1, 440.1, 2.0);
(486505.7, 3741190.3, 440.0, 440.0, 2.0); (486565.2, 3741320.1, 439.0, 439.0, 2.0);
(486507.2, 3741478.9, 437.6, 765.0, 2.0); (486592.8, 3741437.6, 438.4, 438.4, 2.0);
(486467.5, 3741620.8, 436.2, 817.0, 2.0); (486455.4, 3741644.5, 436.0, 817.0, 2.0);
(486633.2, 3741551.2, 439.0, 765.0, 2.0); (486717.5, 3741579.2, 440.6, 440.6, 2.0);
(486897.7, 3741647.7, 442.0, 442.0, 2.0); (486752.2, 3741648.3, 440.7, 440.7, 2.0);
(487191.5, 3741622.8, 444.8, 444.8, 2.0); (487025.9, 3741639.9, 444.0, 444.0, 2.0);
(487133.3, 3741576.5, 445.3, 445.3, 2.0); (488012.2, 3743217.0, 442.0, 817.0, 2.0);
(487998.8, 3743333.8, 441.3, 817.0, 2.0); (488029.1, 3743389.4, 441.3, 817.0, 2.0);
(488022.0, 3743408.6, 441.0, 817.0, 2.0); (483362.0, 3743140.4, 470.7, 817.0, 2.0);
(483361.3, 3743154.3, 470.4, 817.0, 2.0); (483360.7, 3743170.7, 469.9, 817.0, 2.0);
(483360.0, 3743171.3, 469.8, 817.0, 2.0); (483361.0, 3743184.2, 469.4, 817.0, 2.0);
(483361.3, 3743200.3, 468.9, 817.0, 2.0); (483362.0, 3743217.4, 468.7, 817.0, 2.0);
(483362.0, 3743230.9, 468.7, 817.0, 2.0); (483362.0, 3743247.9, 468.3, 817.0, 2.0);
(483362.0, 3743261.1, 467.9, 817.0, 2.0); (483363.6, 3743276.9, 467.8, 817.0, 2.0);
(483366.1, 3743297.8, 467.9, 817.0, 2.0); (483342.6, 3743400.5, 466.2, 817.0, 2.0);
(482875.3, 3743418.0, 454.0, 817.0, 2.0); (482893.9, 3743449.0, 454.1, 817.0, 2.0);
(482802.6, 3743396.8, 453.1, 817.0, 2.0); (482881.8, 3743436.5, 454.0, 817.0, 2.0);
(482070.3, 3742959.5, 446.7, 765.0, 2.0); (482359.5, 3742961.8, 454.5, 765.0, 2.0);
(488147.6, 3744011.1, 437.0, 817.0, 2.0); (488355.6, 3743593.9, 444.0, 817.0, 2.0);
(487855.3, 3743109.8, 441.0, 817.0, 2.0); (487831.3, 3743023.5, 440.7, 817.0, 2.0);
(485884.3, 3741909.5, 431.0, 817.0, 2.0); (485820.3, 3741815.9, 431.0, 817.0, 2.0);
(485772.7, 3741740.4, 431.0, 817.0, 2.0); (485707.0, 3741661.6, 431.0, 817.0, 2.0);
(485649.6, 3741582.8, 431.0, 817.0, 2.0); (485579.0, 3741477.8, 431.0, 817.0, 2.0);
(485505.1, 3741362.8, 431.0, 765.0, 2.0); (485441.1, 3741261.1, 431.0, 765.0, 2.0);
(485595.4, 3741187.2, 431.1, 765.0, 2.0); (486002.5, 3741875.0, 432.0, 817.0, 2.0);
(485745.1, 3741113.1, 432.0, 765.0, 2.0); (485695.9, 3741010.1, 432.0, 765.0, 2.0);
(485643.3, 3740916.6, 432.0, 765.0, 2.0); (485574.4, 3740788.5, 432.0, 765.0, 2.0);
(485518.6, 3740660.5, 433.0, 765.0, 2.0); (485431.6, 3740497.9, 433.0, 433.0, 2.0);
(485357.7, 3740369.9, 432.0, 432.0, 2.0); (485292.0, 3740246.8, 432.0, 432.0, 2.0);
(485243.3, 3740149.9, 432.0, 432.0, 2.0); (484701.0, 3740109.8, 430.0, 533.0, 2.0);
(484611.2, 3740109.8, 430.0, 533.0, 2.0); (484525.5, 3740111.8, 430.0, 533.0, 2.0);

```
    ( 484424.7, 3740110.8,     430.0,     585.0,       2.0);         ( 484326.9, 3740110.8,
    431.1,     585.0,       2.0);
    ( 484236.1, 3740110.8,     432.0,     585.0,       2.0);         ( 484149.4, 3740109.8,
    432.8,     585.0,       2.0);
    ( 484067.8, 3740108.8,     432.9,     585.0,       2.0);         ( 483983.0, 3740110.8,
    433.9,     585.0,       2.0);
    ( 484306.2, 3740724.7,     457.8,     765.0,       2.0);         ( 484307.1, 3740669.0,
    451.3,     765.0,       2.0);
    ( 484305.4, 3740611.5,     447.8,     765.0,       2.0);         ( 484303.0, 3740549.6,
    444.8,     765.0,       2.0);
    ( 484307.1, 3740473.3,     439.6,     765.0,       2.0);         ( 484305.5, 3740397.7,
    437.2,     765.0,       2.0);
 *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                     ***        09:28:05

                      PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

    ( 484303.8, 3740309.1,     434.4,     585.0,       2.0);         ( 484302.2, 3740233.5,
    432.9,     585.0,       2.0);
    ( 484294.0, 3742079.4,     469.2,     765.0,       2.0);         ( 484294.0, 3742181.3,
    466.6,     817.0,       2.0);
    ( 484290.7, 3742271.6,     465.6,     817.0,       2.0);         ( 484294.0, 3742384.9,
    463.4,     817.0,       2.0);
    ( 484289.0, 3742490.0,     463.7,     817.0,       2.0);         ( 484290.7, 3742596.8,
    463.5,     817.0,       2.0);
    ( 484289.0, 3742711.7,     465.3,     817.0,       2.0);         ( 484272.6, 3742813.5,
    468.8,     817.0,       2.0);
    ( 484251.3, 3742890.7,     474.4,     817.0,       2.0);         ( 483927.7, 3743317.7,
    622.8,     765.0,       2.0);
    ( 485532.6, 3743420.2,     437.9,     817.0,       2.0);         ( 485459.0, 3743418.2,
    440.4,     817.0,       2.0);
    ( 485383.4, 3743416.1,     442.9,     817.0,       2.0);         ( 485290.6, 3743410.1,
    445.0,     817.0,       2.0);
    ( 485192.7, 3743405.0,     447.0,     817.0,       2.0);         ( 485106.0, 3743406.1,
    450.8,     817.0,       2.0);
    ( 485005.1, 3743407.1,     451.2,     817.0,       2.0);         ( 484905.3, 3743410.1,
    456.4,     817.0,       2.0);
    ( 486942.5, 3743532.8,     432.0,     817.0,
    2.0);
 *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                     ***        09:28:05

                      PAGE   9
 *** 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 1 1   1 1 1 1 1 1 1 1 1
           1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1
           1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1
           1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 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 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5

```
 10 01 01   1 10   56.7  0.087  0.560  0.010  107.   62.     -1.0  0.19   0.61   0.26    0.40
188.    9.1  289.2    5.5
 10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61   0.23    2.70
310.    9.1  290.9    5.5
 10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61   0.22    2.20
357.    9.1  293.1    5.5
 10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61   0.22    2.20
356.    9.1  293.8    5.5
 10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61   0.23    2.20
50.    9.1  294.2    5.5
 10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61   0.27    1.80
53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:28:05

                     PAGE  11
 *** 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        , VOL10       , VOL11       ,
                    VOL12       , VOL13       , VOL14       ,
                    VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                    VOL20       , VOL21       , VOL22       ,
                    VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                    VOL28       , VOL29       ,  . . .      ,

                                          *** 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
     (M)        CONC     (YYMMDDHH)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
```

483662.28 3742990.90 0.30139 (14113024) 483660.92
3743037.77 0.30699 (15031824)
483632.71 3742966.78 0.29109 (14113024) 483627.25
3742954.49 0.28693 (14113024)
483594.94 3742937.66 0.27644 (14113024) 483590.39
3742925.37 0.27353 (14113024)
483326.92 3742783.86 0.20726 (11121224) 483322.83
3742801.60 0.21113 (11121224)
483251.38 3742776.57 0.19655 (14040424) 483477.54
3742955.40 0.26077 (11121224)
483360.24 3742974.39 0.23656 (11121224) 483306.13
3742974.79 0.22448 (11121224)
483361.93 3743014.11 0.23685 (11121224) 483093.56
3742973.36 0.17596 (11121224)
483361.29 3743031.51 0.23654 (11121224) 483359.96
3743046.35 0.23636 (11121224)
483359.27 3743062.67 0.23609 (11121224) 483358.76
3743077.79 0.23548 (11121224)
483358.58 3743093.09 0.23451 (11121224) 483358.58
3743108.21 0.23376 (11121224)
483359.10 3743122.81 0.23340 (11121224) 483219.94
3742777.51 0.19287 (14040424)
483188.19 3742774.03 0.18895 (14040424) 483154.49
3742774.03 0.18598 (14040424)
487352.85 3742161.74 0.08008c (14121524) 487594.10
3742883.93 0.06803c (14121524)
487740.59 3742878.41 0.06281c (14121524) 487781.26
3742945.81 0.06109c (14121524)
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3742515.86 0.06241c (14121524)
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487452.24 3741714.99 0.07631m (16031424) 487492.98
3741728.39 0.07449m (16031424)
487419.53 3741699.98 0.07795m (16031424) 486863.50
3741608.53 0.10762m (16031424)
483305.42 3742774.69 0.20237 (14040424) 483252.39
3742826.78 0.20724 (11121224)
483248.01 3742883.93 0.21098 (11121224) 483271.02
3742977.45 0.21652 (11121224)
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3742969.89 0.20046 (11121224)
483020.32 3742969.89 0.16449 (14040424) 482990.46
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482948.55 3742964.65 0.15455 (14040424) 482511.10
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482169.09 3742721.99 0.09521 (14040424) 482205.43
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482226.62 3742575.13 0.09870 (11010224) 482236.84
3742526.68 0.10020 (11010224)
482300.06 3742439.24 0.10689 (11010224) 482300.06
3742368.08 0.10796 (11010224)
482300.06 3742329.47 0.10668 (11010224) 482300.06
3742219.70 0.10768 (11010224)
482300.81 3742167.09 0.10879 (11010224) 482291.73
3742092.52 0.10429 (11010224)
482290.21 3741997.89 0.10723 (11010224) 482287.94
3741884.71 0.10607 (11010224)
482290.97 3741799.17 0.09916 (11010224) 482896.84
3741725.43 0.17678 (11010224)
482014.24 3741605.12 0.07634c (14120324) 481759.68
3741616.21 0.06368c (14120324)

*** THE 1ST HIGHEST 24-HR AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): VOL1 , VOL2 , VOL3 , VOL4 , VOL5 ,
VOL6 , VOL7 , VOL8 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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 (M)	CONC	(YYMMDDHH)
481782.49	3741558.89	0.06486c	(14120324)	481738.72	3741497.25	0.06284c	(14120324)
482899.19	3741347.84	0.14809	(11010224)	482905.50	3741318.60	0.14739	(11010224)
483094.76	3741256.97	0.17363	(11010224)	483086.06	3741104.69	0.15550	(11010224)
483094.04	3740957.48	0.14291	(11010224)	483086.06	3740568.07	0.12198	(14111824)
483009.20	3740676.84	0.11557	(11010224)	482810.58	3740169.82	0.07978	(14122324)
482698.82	3740092.19	0.07317	(14122324)	482380.08	3739846.62	0.05807	(14122324)
482715.43	3739916.28	0.07244	(14122324)	482244.68	3739706.94	0.05324	(14122324)
482220.64	3739522.63	0.05203	(14122324)	480667.03	3738428.48	0.02563	(16011524)
484755.27	3740097.17	0.20821	(14120824)	485120.82	3740097.17	0.15804	(14120824)
485335.35	3739977.14	0.12630	(14120824)	485534.79	3740109.14	0.12361c	(14012224)
485966.31	3739987.30	0.13274	(15112924)	485941.65	3739925.65	0.13181	(15112924)
485621.34	3740251.52	0.12878c	(14012224)	485943.59	3739842.81	0.12934	(15112924)
485942.02	3739796.70	0.12948	(15112924)	485915.82	3740153.53	0.11711	(15112924)
485964.55	3740221.65	0.11147	(15112924)	485690.25	3740369.51	0.13244c	(14012224)
485710.31	3740401.31	0.13320c	(14012224)	485747.41	3740462.64	0.13456c	(14121524)
485787.54	3740530.03	0.13629c	(14121524)	485847.36	3740607.26	0.13723b	(14111524)
485870.49	3740093.39	0.11814	(15112924)	486164.92	3740527.57	0.11338c	(14010324)
486230.27	3740623.12	0.11450b	(14111524)	486330.75	3740777.24	0.11793b	(14111524)
486099.57	3740920.88	0.13847b	(14111524)	486230.56	3740573.44	0.11225b	(14111524)

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      486472.35   3741103.24        0.12016b (14111524)               486495.56
      3741156.19        0.12004b (14111524)
      486505.71   3741190.27        0.12025b (14111524)               486565.19
      3741320.10        0.11932m (16031424)
      486507.16   3741478.93        0.12892m (16031424)               486592.75
      3741437.59        0.12111m (16031424)
      486467.45   3741620.75        0.13665m (16031424)               486455.41
      3741644.54        0.13850m (16031424)
      486633.17   3741551.18        0.12154m (16031424)               486717.51
      3741579.21        0.11619m (16031424)
      486897.68   3741647.66        0.10602m (16031424)               486752.18
      3741648.28        0.11519m (16031424)
      487191.46   3741622.85        0.08939m (16031424)               487025.90
      3741639.92        0.09864m (16031424)
      487133.34   3741576.51        0.09253m (16031424)               488012.16
      3743217.05        0.05282c (14121524)
      487998.80   3743333.76        0.05247c (14121524)               488029.09
      3743389.44        0.05137c (14121524)
      488021.96   3743408.60        0.05143c (14121524)               483361.96
      3743140.42        0.23394  (11121224)
      483361.31   3743154.26        0.23314  (11121224)               483360.67
      3743170.68        0.23173  (11121224)
      483360.02   3743171.33        0.23150  (11121224)               483360.99
      3743184.20        0.23074  (11121224)
      483361.31   3743200.30        0.22951m (10042324)               483361.96
      3743217.36        0.22888m (10042324)
      483361.96   3743230.88        0.22874m (10042324)               483361.96
      3743247.94        0.22779m (10042324)
      483361.96   3743261.14        0.22633m (10042324)               483363.57
      3743276.91        0.22595m (10042324)
      483366.14   3743297.84        0.22590m (10042324)               483342.64
      3743400.52        0.21299m (10042324)
      482875.35   3743417.98        0.12090  (11121224)               482893.91
      3743449.04        0.12257  (11121224)
      482802.63   3743396.77        0.11264  (11121224)               482881.79
      3743436.54        0.12129  (11121224)
      482070.28   3742959.52        0.06960c (14121524)               482359.49
      3742961.75        0.08772  (14040424)
      488147.65   3744011.06        0.04471c (15120424)               488355.64
      3743593.90        0.04479c (15111524)
      487855.29   3743109.83        0.05776c (14121524)               487831.34
      3743023.47        0.05903c (14121524)
      485884.32   3741909.49        0.24989m (16031424)               485820.30
      3741815.92        0.25753m (16031424)
      485772.69   3741740.41        0.26200m (16031424)               485707.03
      3741661.61        0.27077m (16031424)
      485649.57   3741582.82        0.27659m (16031424)               485578.98
      3741477.76        0.28145m (16031424)
      485505.11   3741362.84        0.28430m (16031424)               485441.09
      3741261.06        0.28529m (16031424)
      485595.40   3741187.19        0.23259m (16031424)               486002.51
      3741875.02        0.21790m (16031424)
      485745.13   3741113.07        0.19482m (16031424)               485695.88
      3741010.14        0.19178m (16031424)
      485643.35   3740916.57        0.18979m (16031424)               485574.40
      3740788.52        0.18583m (16031424)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       09:28:05

                     PAGE  13
 *** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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 (M)	CONC	(YYMMDDHH)
485518.59	3740660.47	0.17919m	(16031424)	485431.58	3740497.94	0.17190c	(14121524)
485357.70	3740369.90	0.16545c	(14121524)	485292.04	3740246.77	0.15747m	(15020724)
485243.34	3740149.91	0.15107m	(15020724)	484700.97	3740109.82	0.22120	(14120824)
484611.23	3740109.82	0.23812c	(14012024)	484525.52	3740111.83	0.25086c	(14012024)
484424.69	3740110.82	0.24788	(14011524)	484326.88	3740110.82	0.23292	(15011124)
484236.14	3740110.82	0.21496	(15011124)	484149.42	3740109.82	0.19513	(14122324)
484067.75	3740108.81	0.18169	(14122324)	483983.05	3740110.82	0.16876	(14122324)
484306.22	3740724.68	0.62479	(16011524)	484307.08	3740668.97	0.69947	(16011524)
484305.37	3740611.54	0.72347c	(14120324)	484303.01	3740549.61	0.67811	(16011524)
484307.10	3740473.28	0.63716c	(14121524)	484305.46	3740397.74	0.60039c	(14121524)
484303.82	3740309.06	0.43105c	(15121824)	484302.18	3740233.51	0.32109	(15011124)
484293.97	3742079.44	0.97727c	(14120324)	484293.97	3742181.26	1.02452c	(14120324)
484290.68	3742271.59	1.00122c	(14120324)	484293.96	3742384.90	1.07513c	(14120324)
484289.04	3742490.01	1.02445c	(14120324)	484290.68	3742596.76	1.05941c	(14120324)
484289.04	3742711.72	1.04364	(16011524)	484272.62	3742813.54	0.97287c	(14120324)
484251.27	3742890.73	0.86613m	(10121824)	483927.74	3743317.73	0.33263	(15031824)
485532.63	3743420.18	0.46150	(14121724)	485459.00	3743418.16	0.58759	(10021924)
485383.36	3743416.14	0.67731	(15022824)	485290.56	3743410.09	0.78672	(11111924)
485192.73	3743405.05	0.95696	(14113024)	485105.99	3743406.06	1.04374c	(10121724)
485005.14	3743407.07	0.97937c	(10121724)	484905.29	3743410.09	0.93817	(14113024)
486942.50	3743532.82	0.09081c	(14121524)				

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_10 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	1.07513c ON 14120324:	AT (484293.96, 3742384.90, 463.41, 817.00, 2.00)	DC	

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

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

******** WARNING MESSAGES ********

ME W186	155	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	155	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	2 year gap

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

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**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/3/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Ops With MCP\13265 Ops
PM25\13265 Ops PM25.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_2.5
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Ops PM25.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484569.459  3740634.269      436.290
   LOCATION VOL4         VOLUME     484593.056  3740854.507      440.230
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484500.152  3741156.187      463.110
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
   LOCATION VOL20        VOLUME     484435.743  3742166.102      456.480
   LOCATION VOL21        VOLUME     484641.829  3742166.102      447.220
   LOCATION VOL22        VOLUME     484841.619  3742164.530      439.220
   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
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   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485209.682  3742638.493      432.000
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   SRCPARAM VOL3         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL4         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL5         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL6         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL7         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL8         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL10        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL11        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL12        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL13        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL14        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL15        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL16        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL17        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL18        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL19        0.0016001731     5.000    50.305     1.400
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   SRCPARAM VOL33        0.0016001731     5.000    50.305     1.400
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   SRCPARAM VOL35        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL36        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL37        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL38        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL39        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL40        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL41        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL42        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL43        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL44        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL45        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL46        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL47        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL48        0.0016001731     5.000    50.305     1.400
   URBANSRC ALL
   SRCGROUP ALL
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SO FINISHED
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** AERMOD Receptor Pathway
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**
RE STARTING
   INCLUDED "13265 Ops PM25.rou"
RE FINISHED
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**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "13265 OPS PM25.AD\24H1GALL.PLT" 31
   SUMMFILE "13265 Ops PM25.sum"
OU FINISHED
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** Project Parameters
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** PROJCTN  CoordinateSystemUTM
** DESCPTN  UTM: Universal Transverse Mercator
** DATUM    North American Datum 1983
** DTMRGN   CONUS
** UNITS    m
** ZONE     11
** ZONEINX  0
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** Lakes Environmental AERMOD MPI
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 11.2.0
** Lakes Environmental Software Inc.
** Date: 5/3/2023
** File: C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge-04\AQIA Ops With MCP\13265 Ops
PM25\13265 Ops PM25.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\
   MODELOPT DFAULT CONC
   AVERTIME 24
   URBANOPT 2189641 Riverside_County
   POLLUTID PM_2.5
   FLAGPOLE 2.00
   RUNORNOT RUN
   ERRORFIL "13265 Ops PM25.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
   LOCATION VOL1         VOLUME     484430.835  3740413.048      434.580
   LOCATION VOL2         VOLUME     484431.810  3740634.269      442.880
   LOCATION VOL3         VOLUME     484569.459  3740634.269      436.290
   LOCATION VOL4         VOLUME     484593.056  3740854.507      440.230
   LOCATION VOL5         VOLUME     484604.888  3741070.812      448.340
   LOCATION VOL6         VOLUME     484500.152  3741156.187      463.110
   LOCATION VOL7         VOLUME     484433.777  3741291.050      468.540
   LOCATION VOL8         VOLUME     484618.619  3741291.050      453.080
   LOCATION VOL10        VOLUME     484435.743  3741505.388      465.790
   LOCATION VOL11        VOLUME     484626.485  3741507.355      449.910
   LOCATION VOL12        VOLUME     484733.426  3741510.502      442.560
   LOCATION VOL13        VOLUME     484433.777  3741727.593      465.090
   LOCATION VOL14        VOLUME     484652.048  3741727.593      445.540
   LOCATION VOL15        VOLUME     484870.319  3741729.559      435.980
   LOCATION VOL16        VOLUME     484435.743  3741947.831      459.930
   LOCATION VOL17        VOLUME     484607.220  3741945.864      448.530
   LOCATION VOL18        VOLUME     484772.004  3741947.831      440.540
   LOCATION VOL19        VOLUME     484970.226  3741949.797      431.660
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   LOCATION VOL23        VOLUME     485044.556  3742165.316      431.180
   LOCATION VOL24        VOLUME     484436.526  3742387.326      456.450
   LOCATION VOL25        VOLUME     484650.473  3742382.312      447.490
   LOCATION VOL26        VOLUME     484867.762  3742382.312      439.650
   LOCATION VOL27        VOLUME     485083.380  3742383.983      431.890
   LOCATION VOL28        VOLUME     484436.526  3742601.273      456.380
   LOCATION VOL29        VOLUME     484653.815  3742597.930      449.210
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   LOCATION VOL30        VOLUME     484869.433  3742597.930      442.020
   LOCATION VOL31        VOLUME     485086.723  3742599.601      434.780
   LOCATION VOL33        VOLUME     484438.198  3742815.219      461.370
   LOCATION VOL34        VOLUME     484653.815  3742813.548      453.120
   LOCATION VOL35        VOLUME     484871.105  3742813.548      444.880
   LOCATION VOL36        VOLUME     485086.723  3742815.219      438.990
   LOCATION VOL37        VOLUME     485297.326  3742815.219      433.740
   LOCATION VOL38        VOLUME     484520.099  3742913.835      459.920
   LOCATION VOL39        VOLUME     484657.158  3743029.166      456.300
   LOCATION VOL40        VOLUME     484869.433  3743029.166      448.140
   LOCATION VOL41        VOLUME     485081.708  3743032.509      442.960
   LOCATION VOL42        VOLUME     485298.998  3743034.180      438.700
   LOCATION VOL43        VOLUME     485424.357  3742957.293      433.230
   LOCATION VOL44        VOLUME     485422.685  3743172.911      437.100
   LOCATION VOL45        VOLUME     484844.361  3743194.640      451.860
   LOCATION VOL46        VOLUME     485064.994  3743244.784      447.150
   LOCATION VOL47        VOLUME     485208.739  3743248.126      443.710
   LOCATION VOL48        VOLUME     485209.682  3742638.493      432.000
** Source Parameters **
   SRCPARAM VOL1         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL2         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL3         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL4         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL5         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL6         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL7         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL8         0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL10        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL11        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL12        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL13        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL14        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL15        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL16        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL17        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL18        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL19        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL20        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL21        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL22        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL23        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL24        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL25        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL26        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL27        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL28        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL29        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL30        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL31        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL33        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL34        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL35        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL36        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL37        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL38        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL39        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL40        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL41        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL42        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL43        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL44        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL45        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL46        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL47        0.0016001731     5.000    50.305     1.400
   SRCPARAM VOL48        0.0016001731     5.000    50.305     1.400
   URBANSRC ALL
```

```
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "13265 Ops PM25.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE PERI_V9_ADJU\PERI_v9.SFC
   PROFFILE PERI_V9_ADJU\PERI_v9.PFL
   SURFDATA 3171 2010
   UAIRDATA 3190 2010
   SITEDATA 99999 2010
   PROFBASE 442.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
   RECTABLE ALLAVE 1ST
   RECTABLE 24 1ST
** Auto-Generated Plotfiles
   PLOTFILE 24 ALL 1ST "13265 OPS PM25.AD\24H1GALL.PLT" 31
   SUMMFILE "13265 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     155       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187     155       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:33:49
```

*** 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 46 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: 46 Source(s); 1 Source Group(s); and 201 Receptor(s)

with: 0 POINT(s), including
0 POINTCAP(s) and 0 POINTHOR(s)
and: 46 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) = 442.00 ; Decay Coef. = 0.000 ; Rot. Angle = 0.0
Emission Units = GRAMS/SEC ; Emission Rate
Unit Factor = 0.10000E+07
Output Units = MICROGRAMS/M**3

**Approximate Storage Requirements of Model = 3.5 MB of RAM.

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

**Detailed Error/Message File: 13265 Ops
PM25.err
**File for Summary of Results: 13265 Ops
PM25.sum
FF *** AERMOD - VERSION 22112 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\13265 Stoneridge\13265 Ops HRA\ *** 05/03/23
*** AERMET - VERSION 16216 ***
*** *** 09:33:49

PAGE 2
*** MODELOPTs: RegDFAULT CONC ELEV FLGPOL URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
VOL1	0	0.16002E-02	484430.8	3740413.0	434.6	5.00	50.30	1.40	YES
VOL2	0	0.16002E-02	484431.8	3740634.3	442.9	5.00	50.30	1.40	YES
VOL3	0	0.16002E-02	484569.5	3740634.3	436.3	5.00	50.30	1.40	YES
VOL4	0	0.16002E-02	484593.1	3740854.5	440.2	5.00	50.30	1.40	YES
VOL5	0	0.16002E-02	484604.9	3741070.8	448.3	5.00	50.30	1.40	YES
VOL6	0	0.16002E-02	484500.2	3741156.2	463.1	5.00	50.30	1.40	YES
VOL7	0	0.16002E-02	484433.8	3741291.0	468.5	5.00	50.30	1.40	YES
VOL8	0	0.16002E-02	484618.6	3741291.0	453.1	5.00	50.30	1.40	YES
VOL10	0	0.16002E-02	484435.7	3741505.4	465.8	5.00	50.30	1.40	YES
VOL11	0	0.16002E-02	484626.5	3741507.4	449.9	5.00	50.30	1.40	YES
VOL12	0	0.16002E-02	484733.4	3741510.5	442.6	5.00	50.30	1.40	YES
VOL13	0	0.16002E-02	484433.8	3741727.6	465.1	5.00	50.30	1.40	YES
VOL14	0	0.16002E-02	484652.0	3741727.6	445.5	5.00	50.30	1.40	YES
VOL15	0	0.16002E-02	484870.3	3741729.6	436.0	5.00	50.30	1.40	YES
VOL16	0	0.16002E-02	484435.7	3741947.8	459.9	5.00	50.30	1.40	YES
VOL17	0	0.16002E-02	484607.2	3741945.9	448.5	5.00	50.30	1.40	YES
VOL18	0	0.16002E-02	484772.0	3741947.8	440.5	5.00	50.30	1.40	YES
VOL19	0	0.16002E-02	484970.2	3741949.8	431.7	5.00	50.30	1.40	YES
VOL20	0	0.16002E-02	484435.7	3742166.1	456.5	5.00	50.30	1.40	

YES
VOL21 0 0.16002E-02 484641.8 3742166.1 447.2 5.00 50.30 1.40
YES
VOL22 0 0.16002E-02 484841.6 3742164.5 439.2 5.00 50.30 1.40
YES
VOL23 0 0.16002E-02 485044.6 3742165.3 431.2 5.00 50.30 1.40
YES
VOL24 0 0.16002E-02 484436.5 3742387.3 456.4 5.00 50.30 1.40
YES
VOL25 0 0.16002E-02 484650.5 3742382.3 447.5 5.00 50.30 1.40
YES
VOL26 0 0.16002E-02 484867.8 3742382.3 439.7 5.00 50.30 1.40
YES
VOL27 0 0.16002E-02 485083.4 3742384.0 431.9 5.00 50.30 1.40
YES
VOL28 0 0.16002E-02 484436.5 3742601.3 456.4 5.00 50.30 1.40
YES
VOL29 0 0.16002E-02 484653.8 3742597.9 449.2 5.00 50.30 1.40
YES
VOL30 0 0.16002E-02 484869.4 3742597.9 442.0 5.00 50.30 1.40
YES
VOL31 0 0.16002E-02 485086.7 3742599.6 434.8 5.00 50.30 1.40
YES
VOL33 0 0.16002E-02 484438.2 3742815.2 461.4 5.00 50.30 1.40
YES
VOL34 0 0.16002E-02 484653.8 3742813.5 453.1 5.00 50.30 1.40
YES
VOL35 0 0.16002E-02 484871.1 3742813.5 444.9 5.00 50.30 1.40
YES
VOL36 0 0.16002E-02 485086.7 3742815.2 439.0 5.00 50.30 1.40
YES
VOL37 0 0.16002E-02 485297.3 3742815.2 433.7 5.00 50.30 1.40
YES
VOL38 0 0.16002E-02 484520.1 3742913.8 459.9 5.00 50.30 1.40
YES
VOL39 0 0.16002E-02 484657.2 3743029.2 456.3 5.00 50.30 1.40
YES
VOL40 0 0.16002E-02 484869.4 3743029.2 448.1 5.00 50.30 1.40
YES
VOL41 0 0.16002E-02 485081.7 3743032.5 443.0 5.00 50.30 1.40
YES
VOL42 0 0.16002E-02 485299.0 3743034.2 438.7 5.00 50.30 1.40
YES

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
VOL43	0	0.16002E-02	485424.4	3742957.3	433.2	5.00	50.30	1.40
YES								
VOL44	0	0.16002E-02	485422.7	3743172.9	437.1	5.00	50.30	1.40

YES
VOL45 0 0.16002E-02 484844.4 3743194.6 451.9 5.00 50.30 1.40
YES
VOL46 0 0.16002E-02 485065.0 3743244.8 447.2 5.00 50.30 1.40
YES
VOL47 0 0.16002E-02 485208.7 3743248.1 443.7 5.00 50.30 1.40
YES
VOL48 0 0.16002E-02 485209.7 3742638.5 432.0 5.00 50.30 1.40
YES

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 ,
	VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 ,
	VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 , VOL25 ,
	VOL26 , VOL27 , VOL28 , VOL29 , VOL30 , VOL31 , VOL33 , VOL34 ,
	VOL35 , VOL36 , VOL37 , VOL38 , VOL39 , VOL40 , VOL41 , VOL42 ,
	VOL43 , VOL44 , VOL45 , VOL46 , VOL47 , VOL48 ,

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

URBAN ID	URBAN POP	SOURCE IDs
	2189641.	VOL1 , VOL2 , VOL3 , VOL4 , VOL5 , VOL6 , VOL7 , VOL8 ,
		VOL10 , VOL11 , VOL12 , VOL13 , VOL14 , VOL15 , VOL16 , VOL17 ,
		VOL18 , VOL19 , VOL20 , VOL21 , VOL22 , VOL23 , VOL24 , VOL25 ,
		VOL26 , VOL27 , VOL28 , VOL29 , VOL30 , VOL31 ,

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

(483662.3, 3742990.9, 490.5, 817.0, 2.0); (483660.9, 3743037.8, 489.1, 817.0, 2.0);
(483632.7, 3742966.8, 490.2, 817.0, 2.0); (483627.2, 3742954.5, 491.7, 817.0, 2.0);
(483594.9, 3742937.7, 491.3, 817.0, 2.0); (483590.4, 3742925.4, 492.1, 817.0, 2.0);
(483326.9, 3742783.9, 488.8, 765.0, 2.0); (483322.8, 3742801.6, 486.9, 765.0, 2.0);
(483251.4, 3742776.6, 488.3, 765.0, 2.0); (483477.5, 3742955.4, 479.9, 817.0, 2.0);
(483360.2, 3742974.4, 474.4, 817.0, 2.0); (483306.1, 3742974.8, 473.3, 817.0, 2.0);
(483361.9, 3743014.1, 473.1, 817.0, 2.0); (483093.6, 3742973.4, 467.5, 765.0, 2.0);
(483361.3, 3743031.5, 472.7, 817.0, 2.0); (483360.0, 3743046.3, 472.7, 817.0, 2.0);
(483359.3, 3743062.7, 472.4, 817.0, 2.0); (483358.8, 3743077.8, 471.9, 817.0, 2.0);
(483358.6, 3743093.1, 471.4, 817.0, 2.0); (483358.6, 3743108.2, 470.9, 817.0, 2.0);
(483359.1, 3743122.8, 470.6, 817.0, 2.0); (483219.9, 3742777.5, 488.1, 765.0, 2.0);
(483188.2, 3742774.0, 488.1, 765.0, 2.0); (483154.5, 3742774.0, 486.2, 765.0, 2.0);
(487352.8, 3742161.7, 438.6, 817.0, 2.0); (487594.1, 3742883.9, 438.0, 817.0, 2.0);
(487740.6, 3742878.4, 440.0, 817.0, 2.0); (487781.3, 3742945.8, 440.0, 817.0, 2.0);
(487901.0, 3742678.9, 444.0, 817.0, 2.0); (487832.0, 3742515.9, 444.0, 817.0, 2.0);
(487713.5, 3742284.6, 443.8, 817.0, 2.0); (487751.0, 3742334.2, 444.0, 817.0, 2.0);
(487773.1, 3742367.1, 444.0, 817.0, 2.0); (487208.3, 3741774.0, 442.7, 442.7, 2.0);
(487676.3, 3741967.0, 444.0, 444.0, 2.0); (487659.2, 3741865.1, 444.0, 444.0, 2.0);
(487452.2, 3741715.0, 444.0, 444.0, 2.0); (487493.0, 3741728.4, 444.1, 444.1, 2.0);
(487419.5, 3741700.0, 444.2, 444.2, 2.0); (486863.5, 3741608.5, 442.1, 442.1, 2.0);
(483305.4, 3742774.7, 489.4, 765.0, 2.0); (483252.4, 3742826.8, 480.7, 765.0, 2.0);
(483248.0, 3742883.9, 476.5, 765.0, 2.0); (483271.0, 3742977.4, 472.3, 817.0, 2.0);
(483236.4, 3742974.4, 471.3, 817.0, 2.0); (483204.2, 3742969.9, 470.4, 816.0, 2.0);
(483020.3, 3742969.9, 466.9, 765.0, 2.0); (482990.5, 3742969.4, 466.2, 765.0, 2.0);

(482948.5, 3742964.6, 466.0, 765.0, 2.0); (482511.1, 3742964.1, 459.5, 765.0, 2.0);
(482169.1, 3742722.0, 464.6, 765.0, 2.0); (482205.4, 3742635.3, 467.8, 765.0, 2.0);
(482226.6, 3742575.1, 467.5, 765.0, 2.0); (482236.8, 3742526.7, 467.2, 765.0, 2.0);
(482300.1, 3742439.2, 469.5, 765.0, 2.0); (482300.1, 3742368.1, 466.4, 765.0, 2.0);
(482300.1, 3742329.5, 463.9, 765.0, 2.0); (482300.1, 3742219.7, 461.8, 765.0, 2.0);
(482300.8, 3742167.1, 460.9, 765.0, 2.0); (482291.7, 3742092.5, 458.3, 765.0, 2.0);
(482290.2, 3741997.9, 458.0, 765.0, 2.0); (482287.9, 3741884.7, 454.9, 765.0, 2.0);
(482291.0, 3741799.2, 451.2, 765.0, 2.0); (482896.8, 3741725.4, 464.6, 765.0, 2.0);
(482014.2, 3741605.1, 443.9, 765.0, 2.0); (481759.7, 3741616.2, 440.3, 765.0, 2.0);
(481782.5, 3741558.9, 441.0, 765.0, 2.0); (481738.7, 3741497.2, 440.0, 765.0, 2.0);
(482899.2, 3741347.8, 456.0, 765.0, 2.0); (482905.5, 3741318.6, 456.0, 765.0, 2.0);
(483094.8, 3741257.0, 460.7, 765.0, 2.0); (483086.1, 3741104.7, 456.5, 765.0, 2.0);
(483094.0, 3740957.5, 454.9, 765.0, 2.0); (483086.1, 3740568.1, 451.5, 585.0, 2.0);
(483009.2, 3740676.8, 450.0, 585.0, 2.0); (482810.6, 3740169.8, 439.9, 439.9, 2.0);
(482698.8, 3740092.2, 437.7, 437.7, 2.0); (482380.1, 3739846.6, 434.0, 434.0, 2.0);
(482715.4, 3739916.3, 435.3, 435.3, 2.0); (482244.7, 3739706.9, 432.7, 432.7, 2.0);
(482220.6, 3739522.6, 432.0, 432.0, 2.0); (480667.0, 3738428.5, 432.0, 432.0, 2.0);
(484755.3, 3740097.2, 430.0, 533.0, 2.0); (485120.8, 3740097.2, 432.0, 432.0, 2.0);
(485335.3, 3739977.1, 433.0, 433.0, 2.0); (485534.8, 3740109.1, 434.0, 434.0, 2.0);
(485966.3, 3739987.3, 443.8, 800.0, 2.0); (485941.6, 3739925.6, 443.7, 800.0, 2.0);
(485621.3, 3740251.5, 434.5, 434.5, 2.0); (485943.6, 3739842.8, 444.1, 800.0, 2.0);

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

(485942.0, 3739796.7, 444.7, 811.0, 2.0); (485915.8, 3740153.5, 439.8, 800.0, 2.0);
(485964.5, 3740221.6, 438.5, 800.0, 2.0); (485690.2, 3740369.5, 434.3, 434.3, 2.0);
(485710.3, 3740401.3, 434.5, 434.5, 2.0); (485747.4, 3740462.6, 434.1, 434.1, 2.0);
(485787.5, 3740530.0, 434.0, 434.0, 2.0); (485847.4, 3740607.3, 434.0, 434.0, 2.0);
(485870.5, 3740093.4, 439.8, 800.0, 2.0); (486164.9, 3740527.6, 438.0, 800.0, 2.0);
(486230.3, 3740623.1, 438.0, 800.0, 2.0); (486330.8, 3740777.2, 439.7, 800.0, 2.0);

(486099.6, 3740920.9, 436.0, 436.0, 2.0); (486230.6, 3740573.4, 438.4, 800.0, 2.0);
(486472.3, 3741103.2, 440.0, 440.0, 2.0); (486495.6, 3741156.2, 440.1, 440.1, 2.0);
(486505.7, 3741190.3, 440.0, 440.0, 2.0); (486565.2, 3741320.1, 439.0, 439.0, 2.0);
(486507.2, 3741478.9, 437.6, 765.0, 2.0); (486592.8, 3741437.6, 438.4, 438.4, 2.0);
(486467.5, 3741620.8, 436.2, 817.0, 2.0); (486455.4, 3741644.5, 436.0, 817.0, 2.0);
(486633.2, 3741551.2, 439.0, 765.0, 2.0); (486717.5, 3741579.2, 440.6, 440.6, 2.0);
(486897.7, 3741647.7, 442.0, 442.0, 2.0); (486752.2, 3741648.3, 440.7, 440.7, 2.0);
(487191.5, 3741622.8, 444.8, 444.8, 2.0); (487025.9, 3741639.9, 444.0, 444.0, 2.0);
(487133.3, 3741576.5, 445.3, 445.3, 2.0); (488012.2, 3743217.0, 442.0, 817.0, 2.0);
(487998.8, 3743333.8, 441.3, 817.0, 2.0); (488029.1, 3743389.4, 441.3, 817.0, 2.0);
(488022.0, 3743408.6, 441.0, 817.0, 2.0); (483362.0, 3743140.4, 470.7, 817.0, 2.0);
(483361.3, 3743154.3, 470.4, 817.0, 2.0); (483360.7, 3743170.7, 469.9, 817.0, 2.0);
(483360.0, 3743171.3, 469.8, 817.0, 2.0); (483361.0, 3743184.2, 469.4, 817.0, 2.0);
(483361.3, 3743200.3, 468.9, 817.0, 2.0); (483362.0, 3743217.4, 468.7, 817.0, 2.0);
(483362.0, 3743230.9, 468.7, 817.0, 2.0); (483362.0, 3743247.9, 468.3, 817.0, 2.0);
(483362.0, 3743261.1, 467.9, 817.0, 2.0); (483363.6, 3743276.9, 467.8, 817.0, 2.0);
(483366.1, 3743297.8, 467.9, 817.0, 2.0); (483342.6, 3743400.5, 466.2, 817.0, 2.0);
(482875.3, 3743418.0, 454.0, 817.0, 2.0); (482893.9, 3743449.0, 454.1, 817.0, 2.0);
(482802.6, 3743396.8, 453.1, 817.0, 2.0); (482881.8, 3743436.5, 454.0, 817.0, 2.0);
(482070.3, 3742959.5, 446.7, 765.0, 2.0); (482359.5, 3742961.8, 454.5, 765.0, 2.0);
(488147.6, 3744011.1, 437.0, 817.0, 2.0); (488355.6, 3743593.9, 444.0, 817.0, 2.0);
(487855.3, 3743109.8, 441.0, 817.0, 2.0); (487831.3, 3743023.5, 440.7, 817.0, 2.0);
(485884.3, 3741909.5, 431.0, 817.0, 2.0); (485820.3, 3741815.9, 431.0, 817.0, 2.0);
(485772.7, 3741740.4, 431.0, 817.0, 2.0); (485707.0, 3741661.6, 431.0, 817.0, 2.0);
(485649.6, 3741582.8, 431.0, 817.0, 2.0); (485579.0, 3741477.8, 431.0, 817.0, 2.0);
(485505.1, 3741362.8, 431.0, 765.0, 2.0); (485441.1, 3741261.1, 431.0, 765.0, 2.0);
(485595.4, 3741187.2, 431.1, 765.0, 2.0); (486002.5, 3741875.0, 432.0, 817.0, 2.0);
(485745.1, 3741113.1, 432.0, 765.0, 2.0); (485695.9, 3741010.1, 432.0, 765.0, 2.0);
(485643.3, 3740916.6, 432.0, 765.0, 2.0); (485574.4, 3740788.5, 432.0, 765.0, 2.0);
(485518.6, 3740660.5, 433.0, 765.0, 2.0); (485431.6, 3740497.9, 433.0, 433.0, 2.0);
(485357.7, 3740369.9, 432.0, 432.0, 2.0); (485292.0, 3740246.8, 432.0, 432.0, 2.0);
(485243.3, 3740149.9, 432.0, 432.0, 2.0); (484701.0, 3740109.8, 430.0, 533.0, 2.0);
(484611.2, 3740109.8, 430.0, 533.0, 2.0); (484525.5, 3740111.8, 430.0, 533.0, 2.0);

```
     ( 484424.7, 3740110.8,     430.0,     585.0,       2.0);         ( 484326.9, 3740110.8,
     431.1,     585.0,       2.0);
     ( 484236.1, 3740110.8,     432.0,     585.0,       2.0);         ( 484149.4, 3740109.8,
     432.8,     585.0,       2.0);
     ( 484067.8, 3740108.8,     432.9,     585.0,       2.0);         ( 483983.0, 3740110.8,
     433.9,     585.0,       2.0);
     ( 484306.2, 3740724.7,     457.8,     765.0,       2.0);         ( 484307.1, 3740669.0,
     451.3,     765.0,       2.0);
     ( 484305.4, 3740611.5,     447.8,     765.0,       2.0);         ( 484303.0, 3740549.6,
     444.8,     765.0,       2.0);
     ( 484307.1, 3740473.3,     439.6,     765.0,       2.0);         ( 484305.5, 3740397.7,
     437.2,     765.0,       2.0);
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        09:33:49

                      PAGE   8
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  FLGPOL  URBAN  ADJ_U*

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

     ( 484303.8, 3740309.1,     434.4,     585.0,       2.0);         ( 484302.2, 3740233.5,
     432.9,     585.0,       2.0);
     ( 484294.0, 3742079.4,     469.2,     765.0,       2.0);         ( 484294.0, 3742181.3,
     466.6,     817.0,       2.0);
     ( 484290.7, 3742271.6,     465.6,     817.0,       2.0);         ( 484294.0, 3742384.9,
     463.4,     817.0,       2.0);
     ( 484289.0, 3742490.0,     463.7,     817.0,       2.0);         ( 484290.7, 3742596.8,
     463.5,     817.0,       2.0);
     ( 484289.0, 3742711.7,     465.3,     817.0,       2.0);         ( 484272.6, 3742813.5,
     468.8,     817.0,       2.0);
     ( 484251.3, 3742890.7,     474.4,     817.0,       2.0);         ( 483927.7, 3743317.7,
     622.8,     765.0,       2.0);
     ( 485532.6, 3743420.2,     437.9,     817.0,       2.0);         ( 485459.0, 3743418.2,
     440.4,     817.0,       2.0);
     ( 485383.4, 3743416.1,     442.9,     817.0,       2.0);         ( 485290.6, 3743410.1,
     445.0,     817.0,       2.0);
     ( 485192.7, 3743405.0,     447.0,     817.0,       2.0);         ( 485106.0, 3743406.1,
     450.8,     817.0,       2.0);
     ( 485005.1, 3743407.1,     451.2,     817.0,       2.0);         ( 484905.3, 3743410.1,
     456.4,     817.0,       2.0);
     ( 486942.5, 3743532.8,     432.0,     817.0,
     2.0);
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***        09:33:49

                      PAGE   9
 *** 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 1 1   1 1 1 1 1 1 1 1 1
            1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1
            1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1
            1   1 1 1 1 1 1 1 1 1 1
            1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 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 1 1 1 1   1 1 1 1 1 1 1 1 1 1   1 1 1 1 1 1 1 1 1 1
           1   1 1 1 1 1 1 1 1 1 1
           1 1 1 1 1 1 1 1 1 1   1 1 1 1 1
```

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

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

(METERS/SEC)

1.54, 3.09, 5.14, 8.23, 10.80,

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

Surface file:
PERI_V9_ADJU\PERI_v9.SFC Met
Version: 16216
Profile file:
PERI_V9_ADJU\PERI_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3171 Upper air station no.: 3190
Name: UNKNOWN Name: UNKNOWN
Year: 2010 Year: 2010

First 24 hours of scalar data

YR	MO	DY	JDY	HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10	01	01	1	01	-7.9	0.125	-9.000	-9.000	-999.	106.	21.2	0.19	0.61	1.00	1.30	335.	9.1	282.5	5.5
10	01	01	1	02	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	142.	9.1	280.9	5.5
10	01	01	1	03	-3.9	0.088	-9.000	-9.000	-999.	62.	15.1	0.19	0.61	1.00	0.90	324.	9.1	280.4	5.5
10	01	01	1	04	-1.3	0.064	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	294.	9.1	278.8	5.5
10	01	01	1	05	-3.9	0.088	-9.000	-9.000	-999.	62.	15.0	0.19	0.61	1.00	0.90	205.	9.1	278.1	5.5
10	01	01	1	06	-1.3	0.065	-9.000	-9.000	-999.	39.	18.3	0.19	0.61	1.00	0.40	3.	9.1	277.0	5.5
10	01	01	1	07	-8.0	0.125	-9.000	-9.000	-999.	106.	21.0	0.19	0.61	1.00	1.30	99.	9.1	277.0	5.5
10	01	01	1	08	-3.3	0.086	-9.000	-9.000	-999.	61.	16.8	0.19	0.61	0.54	0.90	319.	9.1	278.8	5.5
10	01	01	1	09	20.1	0.128	0.307	0.010	49.	110.	-9.0	0.19	0.61	0.33	0.90	239.	9.1	284.2	5.5

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 10 01 01   1 10   56.7  0.087  0.560  0.010  107.   62.     -1.0  0.19   0.61   0.26    0.40
188.    9.1  289.2    5.5
 10 01 01   1 11   81.5  0.323  0.867  0.008  277.  441.    -35.9  0.19   0.61   0.23    2.70
310.    9.1  290.9    5.5
 10 01 01   1 12   97.1  0.281  1.058  0.008  421.  357.    -19.7  0.19   0.61   0.22    2.20
357.    9.1  293.1    5.5
 10 01 01   1 13   92.2  0.279  1.117  0.008  523.  354.    -20.4  0.19   0.61   0.22    2.20
356.    9.1  293.8    5.5
 10 01 01   1 14   77.6  0.275  1.102  0.008  595.  347.    -23.2  0.19   0.61   0.23    2.20
50.    9.1  294.2    5.5
 10 01 01   1 15   54.9  0.230  1.006  0.008  640.  266.    -19.2  0.19   0.61   0.27    1.80
53.    9.1  293.8    5.5
 10 01 01   1 16   12.3  0.206  0.613  0.008  648.  225.    -61.5  0.19   0.61   0.36    1.80
11.    9.1  292.5    5.5
 10 01 01   1 17   -3.6  0.087 -9.000 -9.000 -999.   71.     15.6  0.19   0.61   0.64    0.90
351.    9.1  290.4    5.5
 10 01 01   1 18   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
186.    9.1  287.5    5.5
 10 01 01   1 19   -3.8  0.087 -9.000 -9.000 -999.   62.     15.2  0.19   0.61   1.00    0.90
275.    9.1  285.9    5.5
 10 01 01   1 20   -1.2  0.064 -9.000 -9.000 -999.   39.     18.1  0.19   0.61   1.00    0.40
181.    9.1  285.4    5.5
 10 01 01   1 21   -7.8  0.125 -9.000 -9.000 -999.  106.     21.3  0.19   0.61   1.00    1.30
318.    9.1  284.9    5.5
 10 01 01   1 22   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
196.    9.1  283.1    5.5
 10 01 01   1 23   -3.8  0.088 -9.000 -9.000 -999.   62.     15.1  0.19   0.61   1.00    0.90
330.    9.1  281.4    5.5
 10 01 01   1 24   -7.9  0.125 -9.000 -9.000 -999.  106.     21.2  0.19   0.61   1.00    1.30
332.    9.1  280.9    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 10 01 01 01    5.5 0 -999.  -99.00   282.6   99.0  -99.00  -99.00
 10 01 01 01    9.1 1  335.    1.30  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:33:49

                     PAGE  11
 *** 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        , VOL10       , VOL11       ,
                    VOL12       , VOL13       , VOL14       ,
                    VOL15       , VOL16       , VOL17       , VOL18       , VOL19       ,
                    VOL20       , VOL21       , VOL22       ,
                    VOL23       , VOL24       , VOL25       , VOL26       , VOL27       ,
                    VOL28       , VOL29       ,  . . .      ,

                                          *** 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)
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
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```
483662.28   3742990.90        0.13199  (14113024)              483660.92
3743037.77        0.13444  (15031824)
483632.71   3742966.78        0.12748  (14113024)              483627.25
3742954.49        0.12566  (14113024)
483594.94   3742937.66        0.12106  (14113024)              483590.39
3742925.37        0.11979  (14113024)
483326.92   3742783.86        0.09076  (11121224)              483322.83
3742801.60        0.09246  (11121224)
483251.38   3742776.57        0.08607  (14040424)              483477.54
3742955.40        0.11420  (11121224)
483360.24   3742974.39        0.10360  (11121224)              483306.13
3742974.79        0.09831  (11121224)
483361.93   3743014.11        0.10372  (11121224)              483093.56
3742973.36        0.07706  (11121224)
483361.29   3743031.51        0.10359  (11121224)              483359.96
3743046.35        0.10351  (11121224)
483359.27   3743062.67        0.10339  (11121224)              483358.76
3743077.79        0.10312  (11121224)
483358.58   3743093.09        0.10270  (11121224)              483358.58
3743108.21        0.10237  (11121224)
483359.10   3743122.81        0.10221  (11121224)              483219.94
3742777.51        0.08446  (14040424)
483188.19   3742774.03        0.08275  (14040424)              483154.49
3742774.03        0.08145  (14040424)
487352.85   3742161.74        0.03507c (14121524)              487594.10
3742883.93        0.02979c (14121524)
487740.59   3742878.41        0.02751c (14121524)              487781.26
3742945.81        0.02675c (14121524)
487900.95   3742678.93        0.02592c (14121524)              487832.01
3742515.86        0.02733c (14121524)
487713.48   3742284.61        0.02949c (14121524)              487751.05
3742334.19        0.02891c (14121524)
487773.13   3742367.11        0.02852c (14121524)              487208.30
3741773.97        0.03865m (16031424)
487676.34   3741966.97        0.02988c (14121524)              487659.19
3741865.11        0.02992c (14121524)
487452.24   3741714.99        0.03342m (16031424)              487492.98
3741728.39        0.03262m (16031424)
487419.53   3741699.98        0.03414m (16031424)              486863.50
3741608.53        0.04713m (16031424)
483305.42   3742774.69        0.08863  (14040424)              483252.39
3742826.78        0.09076  (11121224)
483248.01   3742883.93        0.09239  (11121224)              483271.02
3742977.45        0.09482  (11121224)
483236.43   3742974.42        0.09110  (11121224)              483204.18
3742969.89        0.08779  (11121224)
483020.32   3742969.89        0.07203  (14040424)              482990.46
3742969.37        0.06990  (14040424)
482948.55   3742964.65        0.06768  (14040424)              482511.10
3742964.13        0.04616  (14040424)
482169.09   3742721.99        0.04169  (14040424)              482205.43
3742635.31        0.04337  (14040424)
482226.62   3742575.13        0.04322  (11010224)              482236.84
3742526.68        0.04388  (11010224)
482300.06   3742439.24        0.04681  (11010224)              482300.06
3742368.08        0.04728  (11010224)
482300.06   3742329.47        0.04672  (11010224)              482300.06
3742219.70        0.04716  (11010224)
482300.81   3742167.09        0.04764  (11010224)              482291.73
3742092.52        0.04567  (11010224)
482290.21   3741997.89        0.04696  (11010224)              482287.94
3741884.71        0.04645  (11010224)
482290.97   3741799.17        0.04343  (11010224)              482896.84
3741725.43        0.07742  (11010224)
482014.24   3741605.12        0.03343c (14120324)              481759.68
3741616.21        0.02789c (14120324)
```

*** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
482220.64	3739522.63	0.02278	(14122324)	480667.03	3738428.48	0.01122	(16011524)
484755.27	3740097.17	0.09118	(14120824)	485120.82	3740097.17	0.06921	(14120824)
485335.35	3739977.14	0.05531	(14120824)	485534.79	3740109.14	0.05413c	(14012224)
485966.31	3739987.30	0.05813	(15112924)	485941.65	3739925.65	0.05773	(15112924)
485621.34	3740251.52	0.05640c	(14012224)	485943.59	3739842.81	0.05664	(15112924)
485942.02	3739796.70	0.05670	(15112924)	485915.82	3740153.53	0.05129	(15112924)
485964.55	3740221.65	0.04882	(15112924)	485690.25	3740369.51	0.05800c	(14012224)
485710.31	3740401.31	0.05833c	(14012224)	485747.41	3740462.64	0.05893c	(14121524)
485787.54	3740530.03	0.05968c	(14121524)	485847.36	3740607.26	0.06010b	(14111524)
485870.49	3740093.39	0.05174	(15112924)	486164.92	3740527.57	0.04965c	(14010324)
486230.27	3740623.12	0.05014b	(14111524)	486330.75	3740777.24	0.05164b	(14111524)
486099.57	3740920.88	0.06064b	(14111524)	486230.56	3740573.44	0.04916b	(14111524)

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      486472.35   3741103.24        0.05262b (14111524)               486495.56
      3741156.19        0.05257b (14111524)
      486505.71   3741190.27        0.05266b (14111524)               486565.19
      3741320.10        0.05225m (16031424)
      486507.16   3741478.93        0.05646m (16031424)               486592.75
      3741437.59        0.05304m (16031424)
      486467.45   3741620.75        0.05984m (16031424)               486455.41
      3741644.54        0.06065m (16031424)
      486633.17   3741551.18        0.05323m (16031424)               486717.51
      3741579.21        0.05088m (16031424)
      486897.68   3741647.66        0.04643m (16031424)               486752.18
      3741648.28        0.05045m (16031424)
      487191.46   3741622.85        0.03915m (16031424)               487025.90
      3741639.92        0.04320m (16031424)
      487133.34   3741576.51        0.04052m (16031424)               488012.16
      3743217.05        0.02313c (14121524)
      487998.80   3743333.76        0.02298c (14121524)               488029.09
      3743389.44        0.02250c (14121524)
      488021.96   3743408.60        0.02252c (14121524)               483361.96
      3743140.42        0.10245  (11121224)
      483361.31   3743154.26        0.10210  (11121224)               483360.67
      3743170.68        0.10148  (11121224)
      483360.02   3743171.33        0.10138  (11121224)               483360.99
      3743184.20        0.10105  (11121224)
      483361.31   3743200.30        0.10051m (10042324)               483361.96
      3743217.36        0.10023m (10042324)
      483361.96   3743230.88        0.10017m (10042324)               483361.96
      3743247.94        0.09976m (10042324)
      483361.96   3743261.14        0.09912m (10042324)               483363.57
      3743276.91        0.09895m (10042324)
      483366.14   3743297.84        0.09893m (10042324)               483342.64
      3743400.52        0.09327m (10042324)
      482875.35   3743417.98        0.05295  (11121224)               482893.91
      3743449.04        0.05368  (11121224)
      482802.63   3743396.77        0.04933  (11121224)               482881.79
      3743436.54        0.05312  (11121224)
      482070.28   3742959.52        0.03048c (14121524)               482359.49
      3742961.75        0.03841  (14040424)
      488147.65   3744011.06        0.01958c (15120424)               488355.64
      3743593.90        0.01962c (15111524)
      487855.29   3743109.83        0.02530c (14121524)               487831.34
      3743023.47        0.02585c (14121524)
      485884.32   3741909.49        0.10944m (16031424)               485820.30
      3741815.92        0.11278m (16031424)
      485772.69   3741740.41        0.11474m (16031424)               485707.03
      3741661.61        0.11858m (16031424)
      485649.57   3741582.82        0.12113m (16031424)               485578.98
      3741477.76        0.12325m (16031424)
      485505.11   3741362.84        0.12450m (16031424)               485441.09
      3741261.06        0.12494m (16031424)
      485595.40   3741187.19        0.10186m (16031424)               486002.51
      3741875.02        0.09543m (16031424)
      485745.13   3741113.07        0.08532m (16031424)               485695.88
      3741010.14        0.08399m (16031424)
      485643.35   3740916.57        0.08311m (16031424)               485574.40
      3740788.52        0.08138m (16031424)
FF *** AERMOD - VERSION 22112  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\13265
Stoneridge\13265 Ops HRA\ ***        05/03/23
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       09:33:49

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

                          *** 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 , VOL10 , VOL11 ,
VOL12 , VOL13 , VOL14 ,
VOL15 , VOL16 , VOL17 , VOL18 , VOL19 ,
VOL20 , VOL21 , VOL22 ,
VOL23 , VOL24 , VOL25 , VOL26 , VOL27 ,
VOL28 , VOL29 , . . . ,

*** 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)
485518.59	3740660.47	0.07847m	(16031424)	485431.58	3740497.94	0.07528c	(14121524)
485357.70	3740369.90	0.07245c	(14121524)	485292.04	3740246.77	0.06896m	(15020724)
485243.34	3740149.91	0.06616m	(15020724)	484700.97	3740109.82	0.09687	(14120824)
484611.23	3740109.82	0.10428c	(14012024)	484525.52	3740111.83	0.10986c	(14012024)
484424.69	3740110.82	0.10856	(14011524)	484326.88	3740110.82	0.10200	(15011124)
484236.14	3740110.82	0.09414	(15011124)	484149.42	3740109.82	0.08545	(14122324)
484067.75	3740108.81	0.07957	(14122324)	483983.05	3740110.82	0.07391	(14122324)
484306.22	3740724.68	0.27362	(16011524)	484307.08	3740668.97	0.30632	(16011524)
484305.37	3740611.54	0.31683c	(14120324)	484303.01	3740549.61	0.29697	(16011524)
484307.10	3740473.28	0.27903c	(14121524)	484305.46	3740397.74	0.26293c	(14121524)
484303.82	3740309.06	0.18877c	(15121824)	484302.18	3740233.51	0.14061	(15011124)
484293.97	3742079.44	0.42798c	(14120324)	484293.97	3742181.26	0.44867c	(14120324)
484290.68	3742271.59	0.43847c	(14120324)	484293.96	3742384.90	0.47083c	(14120324)
484289.04	3742490.01	0.44864c	(14120324)	484290.68	3742596.76	0.46395c	(14120324)
484289.04	3742711.72	0.45704	(16011524)	484272.62	3742813.54	0.42605c	(14120324)
484251.27	3742890.73	0.37931m	(10121824)	483927.74	3743317.73	0.14567	(15031824)
485532.63	3743420.18	0.20211	(14121724)	485459.00	3743418.16	0.25732	(10021924)
485383.36	3743416.14	0.29661	(15022824)	485290.56	3743410.09	0.34453	(11111924)
485192.73	3743405.05	0.41908	(14113024)	485105.99	3743406.06	0.45709c	(10121724)
485005.14	3743407.07	0.42890c	(10121724)	484905.29	3743410.09	0.41085	(14113024)
486942.50	3743532.82	0.03977c	(14121524)				

*** THE SUMMARY OF HIGHEST 24-HR RESULTS ***

** CONC OF PM_2.5 IN MICROGRAMS/M**3 **

GROUP ID	AVERAGE CONC	DATE (YYMMDDHH)	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	NETWORK GRID-ID
ALL	HIGH 1ST HIGH VALUE IS	0.47083c ON 14120324:	AT (484293.96, 3742384.90, 463.41, 817.00, 2.00)	DC	

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

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 4 Warning Message(s)
A Total of 2028 Informational Message(s)

A Total of 43824 Hours Were Processed

A Total of 978 Calm Hours Identified

A Total of 1050 Missing Hours Identified (2.40 Percent)

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

******** WARNING MESSAGES ********

ME W186	155	MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used	0.50
ME W187	155	MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET	
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	14010101
MX W450	17521	CHKDAT: Record Out of Sequence in Meteorological File at:	2 year gap

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