Pepper 210 Commerce Center

AIR QUALITY IMPACT ANALYSIS

COUNTY OF SAN BERNARDINO

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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
ADA	Americans with Disabilities Act
AQIA	Air Quality Impact Analysis
AQMP	Air Quality Management Plan
Ave.	Avenue
BACT	Best Available Control Technology
BC	Black Carbon
Blvd.	Boulevard
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	Guidelines for Implementation of the California Environmental Quality Act

CH_2O	Formaldehyde
CO	Carbon Monoxide
COH	Coefficient of Haze
COHb	Carboxyhemoglobin
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
Exwy.	Expressway
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
HRA	Health Risk Assessment
HVIP	Hybrid and Zero-Emission Truck and Bus Voucher Incentive Project
Hwy.	Highway
lbs	Pounds
lbs/day	Pounds Per Day
LDA	Light Duty Auto
LDT1/LDT2	Light-Duty Trucks
LHDT1/LHDT2	Light-Heavy-Duty Trucks
LST	Localized Significance Threshold
LST Methodology	*Final Localized Significance Threshold Methodology*
MARB/IPA	March Air Reserve Base/Inland Port Airport
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
NB	Northbound
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_{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	Pepper 210 Commerce Center
RECLAIM	Regional Clean Air Incentives Market
RFG-2	Reformulated Gasoline Regulation
ROG	Reactive Organic Gases
RTA	Riverside Transit Agency
SB	Southbound
SCAB	South Coast Air Basin
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
sf	Square Feet
SIPs	State Implementation Plans
SO_2	Sulfur Dioxide
SO_4	Sulfates
SO_X	Sulfur Oxides
SoCalGas	The Southern California Gas Company
SOON	Surplus Off-Road Opt-in for Nitrogen Oxides

SRA	Source Receptor Area
St.	Street
TA	*Pepper 210 Commerce Center Traffic Analysis*
TAC	Toxic Air Contaminant
TDM	Transportation Demand Management
Title 24	California Building Code
TITLE I	Non-Attainment Provisions
TITLE II	Mobile Sources Provisions
TRU	Transport Refrigeration Unit
UFP	Ultrafine Particles
URBEMIS	URBan EMISsions
VICS	Voluntary Interindustry Commerce Solutions
VIP	On-road Heavy Duty Voucher Incentive Program
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds
vph	Vehicles Per Hour

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EXECUTIVE SUMMARY

ES.1 SUMMARY OF FINDINGS

The results of this *Pepper 210 Commerce Center 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 *Guidelines for Implementation of the California Environmental Quality Act* (State *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	4.4	*Potentially Significant*	*Less Than Significant*
Localized Construction Emissions	4.7	*Less Than Significant*	*n/a*
Regional Operational Emissions	4.5	*Potentially Significant*	*Less Than Significant*
Localized Operational Emissions	4.8	*Less Than Significant*	*n/a*
CO "Hot Spot" Analysis	4.9	*Less Than Significant*	*n/a*
Air Quality Management Plan	4.10	*Potentially Significant*	*Less Than Significant*
Sensitive Receptors	4.11	*Less Than Significant*	*n/a*
Odors	4.12	*Less Than Significant*	*n/a*
Cumulative Impacts	4.13	*Potentially Significant*	*Less Than Significant*

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

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

SCAQMD RULE 201

A person shall not build, erect, install, alter, or replace any equipment permit unit, the use of which may cause the issuance of air contaminants or the use of which may eliminate, reduce, or control the issuance of air contaminants without first obtaining written authorization for such construction from the Executive Officer. A permit to construct shall remain in effect until the permit to operate the equipment for which the application was filed as granted or denied, or the application is canceled.

SCAQMD RULE 401

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 U.S. Bureau of Mines.

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.

SCAQMD RULE 403

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

SCAQMD RULE 1113

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

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 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.

Although the Project would comply with the above regulatory requirements, it should be noted that emission reductions associated with Rules 201, 401, 402, 461, 1301, 1401, and 2305 cannot be quantified in the California Emissions Estimator Model (CalEEMod) and are therefore not reflected in the emissions presented herein. Conversely, Rule 403 (Fugitive Dust) (2) and Rule 1113 (Architectural Coatings) (3) can be modeled in CalEEMod. As such, 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 VOC emissions would exceed applicable SCAQMD regional significance thresholds. The following measure (MM AQ-1) is designed to reduce construction source VOC emissions. With implementation of MM AQ-1, construction-source VOC emissions would not exceed the applicable SCAQMD regional significance threshold. Thus, with mitigation, Project construction-source emissions would result in a less than significant impact.

MM AQ-1

To reduce VOC emissions associated with architectural coating, the project designer and contractor shall reduce the use of paints and solvents by utilizing pre-coated materials (e.g., bathroom stall dividers, metal awnings), materials that do not require painting, and require coatings and solvents with a VOC content consistent with Rule 1113 to be utilized for exterior coatings. The construction contractor shall be required to utilize “Super-Compliant” VOC paints for interior surfaces, which are defined as meeting a VOC standard of < 10 g/L. Construction specifications shall be included in building specifications that ensure these requirements are implemented.

ES.3.2 OPERATIONAL-SOURCE MMS

Unmitigated Project operational-source VOC emissions would exceed applicable SCAQMD regional significance thresholds.

The following measures are designed to reduce Project operational-source VOC emissions. With implementation of MM AQ-2 through MM AQ-4, operational-source VOC emissions would not exceed the applicable SCAQMD regional significance threshold. Thus, with mitigation, Project operational source emissions would result in a less than significant impact.

MM AQ-2

Prior to the issuing of each building permit, the project proponent and its contractors shall provide plans and specifications to the Building Department that demonstrate that electrical service is provided to each of the areas in the vicinity of the building that are to be landscaped in order that electrical equipment may be used for landscape maintenance. The Project proponent shall ensure that all building tenants shall utilize corded or battery-powered electric equipment for landscape maintenance, to the extent feasible, through requirements in the lease agreements.

Alternatively, the project proponent shall ensure that all building tenants shall utilize battery-powered electric equipment for landscape maintenance, to the extent feasible, through requirements in the lease agreements.

MM AQ-3

The project proponent shall ensure that all building tenants shall utilize only electric service yard trucks (hostlers), pallet jacks and forklifts, and other onsite equipment through requirements in the lease agreements.

MM AQ-4

To reduce VOC emissions associated with repainting activities, the project proponent shall require coatings and solvents with a VOC content consistent with Rule 1113 to be utilized for exterior coatings. The project proponent shall be required to utilize “Super-Compliant” VOC paints for interior surfaces, which are defined as meeting a VOC standard of < 10 g/L, through requirements in the lease agreements.

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1 INTRODUCTION

This report presents the results of the AQIA prepared by Urban Crossroads, Inc., for the proposed Pepper 210 Commerce Center (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 proposed Project is located at 20080 N. Highland Avenue in the County of San Bernardino, as shown on Exhibit 1-A.

1.2 PROJECT DESCRIPTION

A preliminary site plan for the proposed Project is shown on Exhibit 1-B. The proposed Project is to consist of the development of 1,867,660 square feet of High-Cube Fulfillment Center Warehouse use with an opening year of 2029. The Project also includes a total of 626 trailer parking spaces that will be ancillary use and utilized by the future tenant of the building and not an independent off-site operator. It should be noted, 620,000 square feet of the total High-Cube Fulfillment Center square footage is associated with pick mod mezzanine space and the building footprint is 1,232,660 square feet. There is a proposed 2,100 square foot yard office associated with the trailer yard.

At the time this analysis was prepared, the future tenants of the proposed Project were unknown, and therefore, this air quality impact analysis includes a conservative analysis of the proposed Project uses.

EXHIBIT 1-A: LOCATION MAP

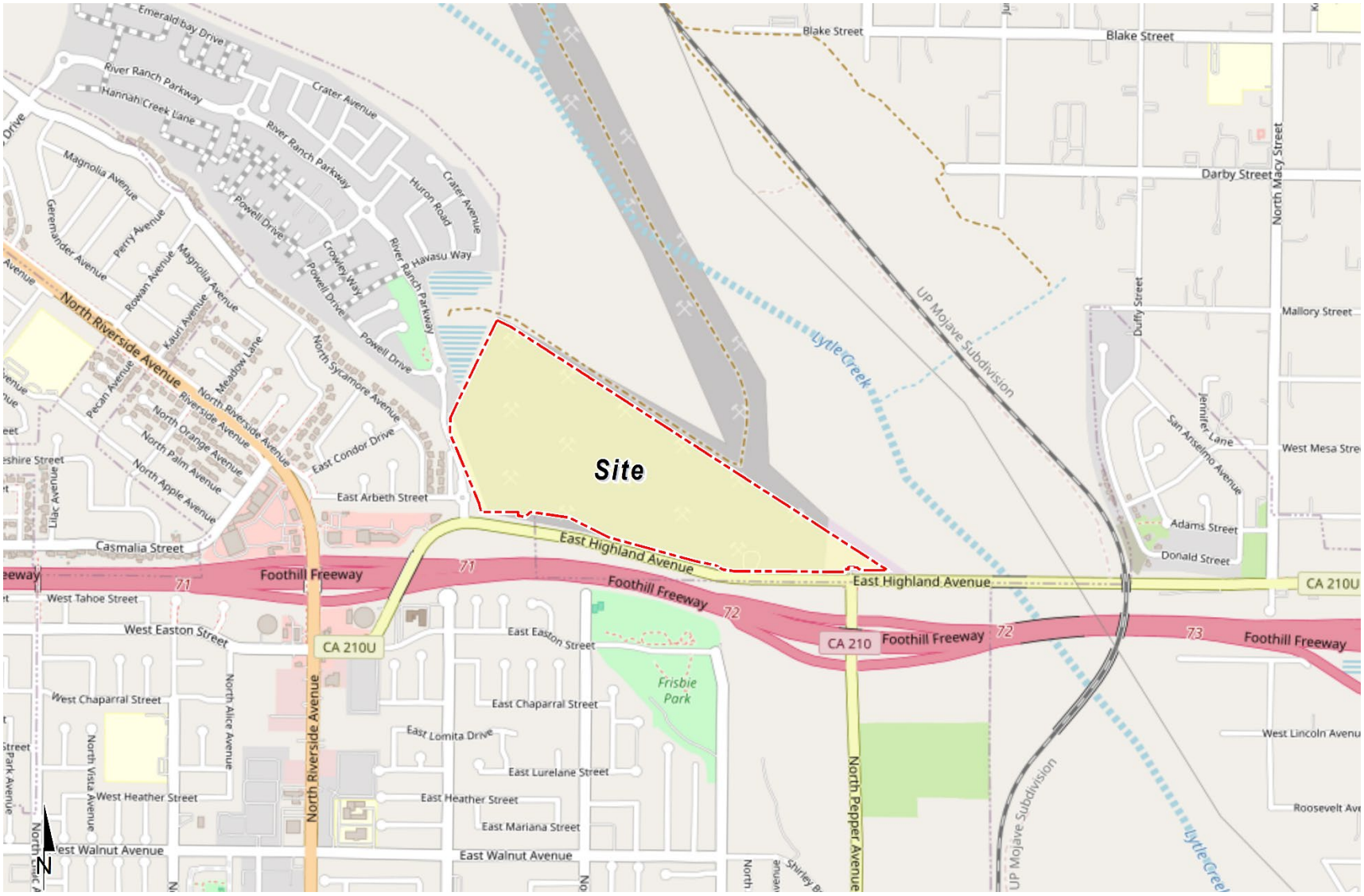
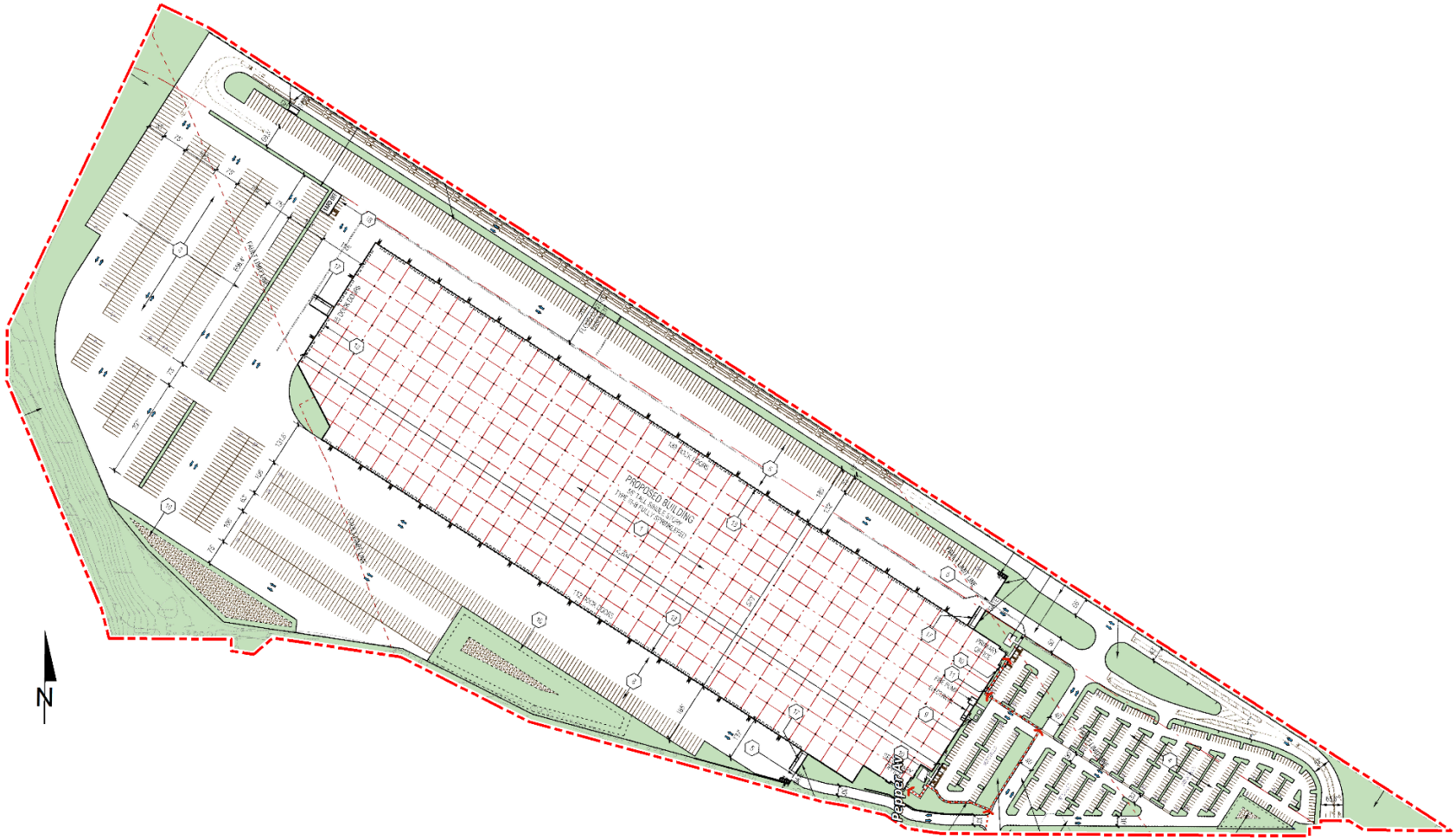


EXHIBIT 1-B: SITE PLAN



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2 AIR QUALITY SETTING

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

2.1 SOUTH COAST AIR BASIN (SCAB)

The Project site is located in the SCAB within the jurisdiction of SCAQMD (4). 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 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 includes all of Orange County as well as the non-desert portions of San Bernardino, Los Angeles, and Riverside Counties.

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 NO_X and 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 (5):

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 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 mainly as a result of burning high sulfur-content fuel oils and coal and from chemical processes	Coal or oil burning power plants and industries, refineries, diesel engines	A few minutes of exposure to low levels of SO_2 can result in airway constriction in some asthmatics, all of whom are sensitive to its effects. In asthmatics, increase in

Criteria Pollutant	Description	Sources	Health Effects
	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).		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 one to seven days for nitric oxide and nitrogen dioxide, to 170 years for nitrous oxide. NO_X is typically created during	Any source that burns fuel such as automobiles, trucks, heavy construction equipment, farming equipment and residential heating.	Population-based studies suggest that an increase in acute respiratory illness, including infections and respiratory symptoms in children (not infants), is associated with long-term exposure to NO_2 at levels found in homes with gas stoves, which are higher than

Criteria Pollutant	Description	Sources	Health Effects
	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 NO_X 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.		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 storage and pesticides.	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 susceptibility to infections, inflammation of the lung tissue, and some immunological changes.

Criteria Pollutant	Description	Sources	Health Effects
			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 reside 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 deposited, resulting in adverse health effects. Additionally, it should be noted that PM_{10} is	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 fuel combustion in motor vehicles, equipment, and industrial sources,	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 recent years, some studies have reported an association between long-term exposure to air pollution dominated by

Criteria Pollutant	Description	Sources	Health Effects
	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.	residential and agricultural burning. Also formed from reaction of other pollutants (acid rain, NO_X, SO_X, organics).	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 solvents used in paints. Exceptions to the VOC designation include CO, carbon dioxide, carbonic acid, metallic carbides or carbonates, and	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 compounds while you are using them, and, to some	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
	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.	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 generate a quantifiable amount of Pb emissions.	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 stored in the bone from early age environmental exposure, and elevated blood Pb levels can occur due to breakdown of bone tissue during

Criteria Pollutant	Description	Sources	Health Effects
			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 (6).	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. NAAQS and California Ambient Air Quality Standards (CAAQS) currently in effect are shown in Table 2-2 (7).

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, as 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 $PM_{2.5}$ do not exceed standards. 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, CARB has implemented a State Implementation Plan (SIP). 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 (8).

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 (9). On February 21, 2019, CARB posted the 2018 amendments to the state and national area designations. See Table 2-3 for attainment designations for the SCAB (10). 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	Unclassifiable/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 Central San Bernardino Valley 2 area (SRA 34). The Central San Bernardino Valley 2 monitoring station is located approximately 4.6 miles southeast of the Project site and reports air quality statistics for O_3, CO, NO_2, PM_{10}, and $PM_{2.5}$.

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 2021 through 2023 was obtained from the SCAQMD Air Quality Data Tables (11). Additionally, data for SO_2 has been omitted as attainment is regularly met in the SCAB and few monitoring stations measure SO_2 concentrations.

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

TABLE 2-4: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2021-2023

Pollutant	Standard	Year		
		2021	2022	2023
O_3				
Maximum Federal 1-Hour Concentration (ppm)		0.142	0.128	0.143
Maximum Federal 8-Hour Concentration (ppm)		0.112	0.105	0.118
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	66	60	58
Number of Days Exceeding State/Federal 8-Hour Standard	> 0.070 ppm	101	103	87
CO				
Maximum Federal 1-Hour Concentration	> 35 ppm	2.0	1.7	1.6
Maximum Federal 8-Hour Concentration	> 20 ppm	1.6	1.4	1.2
NO_2				
Maximum Federal 1-Hour Concentration	> 0.100 ppm	0.056	0.053	0.056
Annual Federal Standard Design Value		0.015	0.016	0.014
PM_{10}				
Maximum Federal 24-Hour Concentration (µg/m^3)	> 150 µg/m^3	111	177	177
Annual Federal Arithmetic Mean (µg/m^3)		39.3	38.0	30.0
Number of Days Exceeding Federal 24-Hour Standard	> 150 µg/m^3	0	1	1
Number of Days Exceeding State 24-Hour Standard	> 50 µg/m^3	79	65	12
$PM_{2.5}$				
Maximum Federal 24-Hour Concentration (µg/m^3)	> 35 µg/m^3	57.9	40.1	25.4
Annual Federal Arithmetic Mean (µg/m^3)	> 12 µg/m^3	11.9	11.3	10.2
Number of Days Exceeding Federal 24-Hour Standard	> 35 µg/m^3	1	2	0

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 (12). 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 (13). 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 would 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) (14) (15). 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 the 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 (16) (12).

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: California Green Building Standards Code (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 (17). The Project would be required to comply with the applicable standards in place at the time building permit document submittals are made. These require, among other items (18):

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 electric vehicle 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 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 (19). 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.

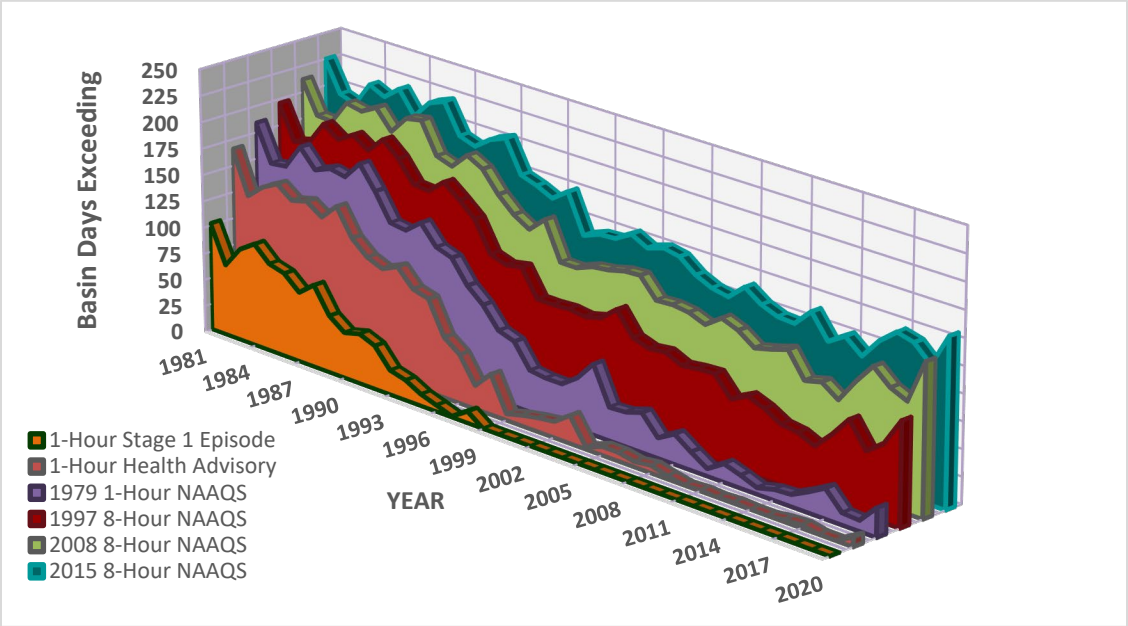
SCAQMD rule development through the 1970s and 1980s resulted in dramatic improvement in SCAB air quality. Nearly all control programs developed through the early 1990s relied on (i) the development and application of cleaner technology; (ii) add-on emission controls, and (iii) uniform CEQA review throughout 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. 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.

Emissions of O_3, NO_X, VOC, and CO have been decreasing in the SCAB since 1975 (20). 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 (21).

TABLE 2-5: SCAB O_3 TREND

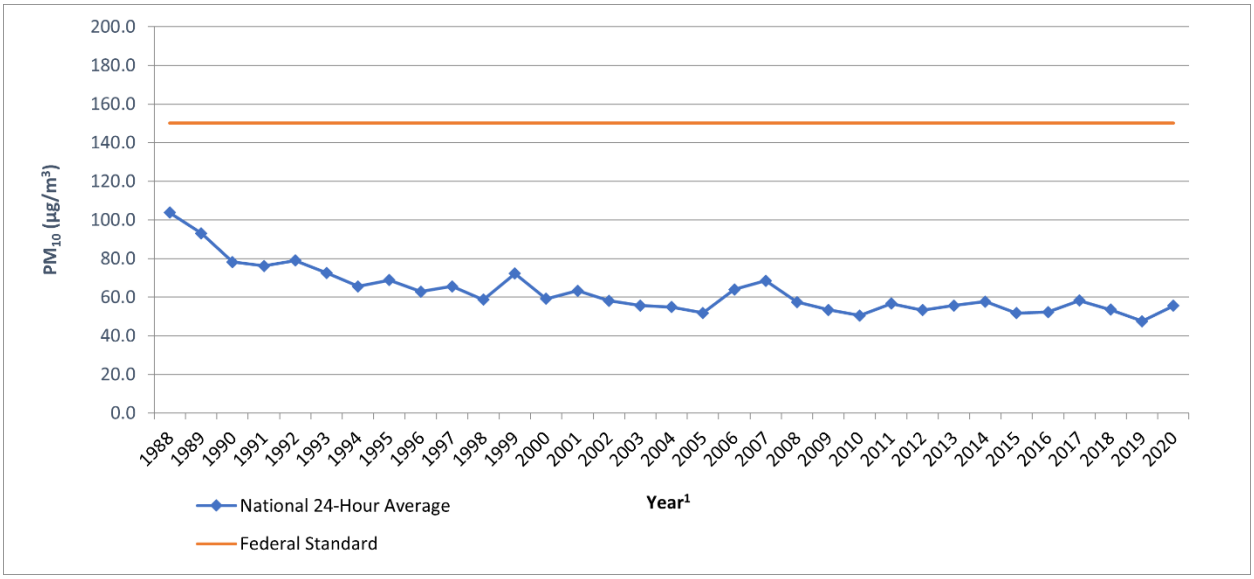


Source: 2020 SCAQMD, Historical O_3 Air Quality Trends (1976-2020)

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.

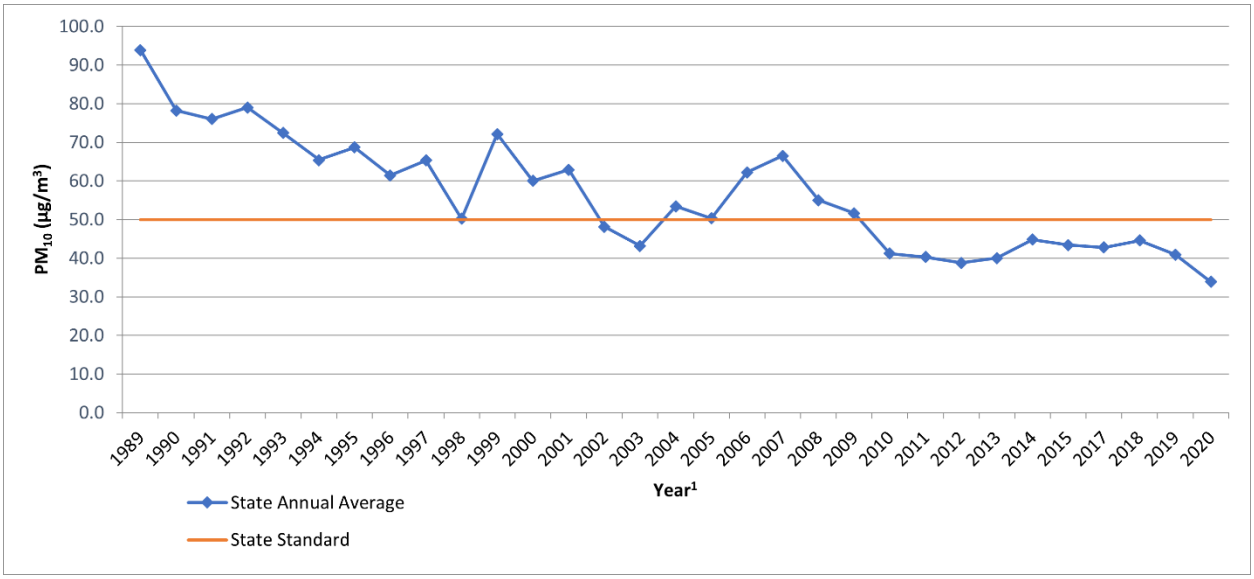
As with other pollutants, the most recent PM_{10} statistics show an overall improvement as illustrated in Tables 2-6 and 2-7. During the period for which data are available, the 24-hour national annual average concentration for PM_{10} decreased by approximately 46%, from 103.7 microgram per cubic meter (µg/m³) in 1988 to 55.5 µg/m³ in 2020 (22). 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 (22). 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.

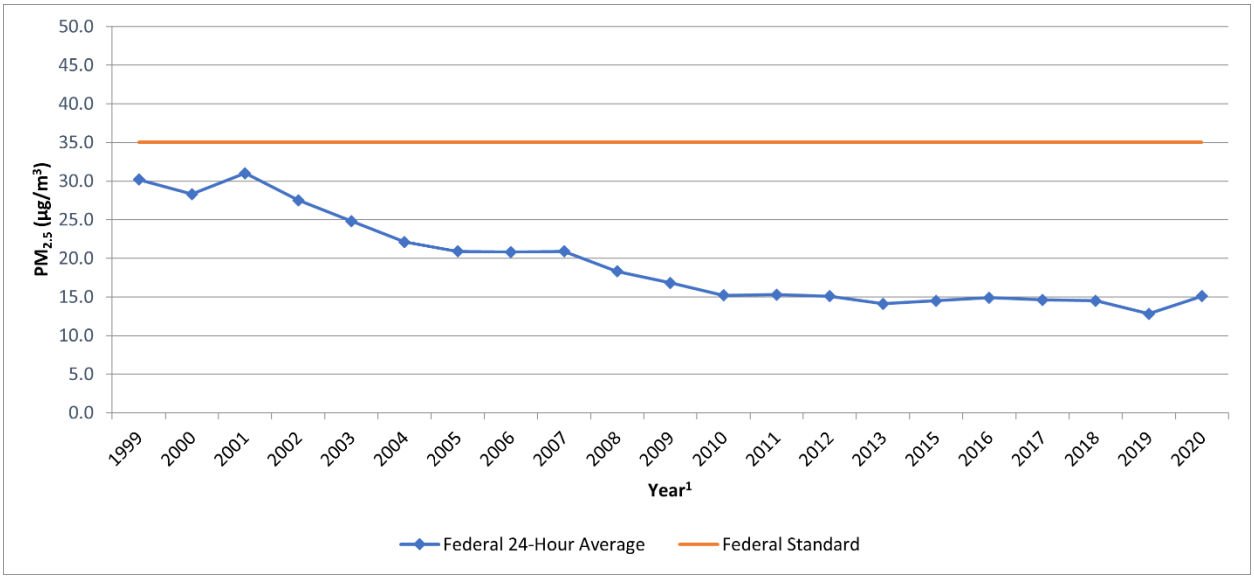
TABLE 2-7: SCAB ANNUAL AVERAGE CONCENTRATION PM_{10} TREND (BASED ON STATE STANDARD)[1]



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.

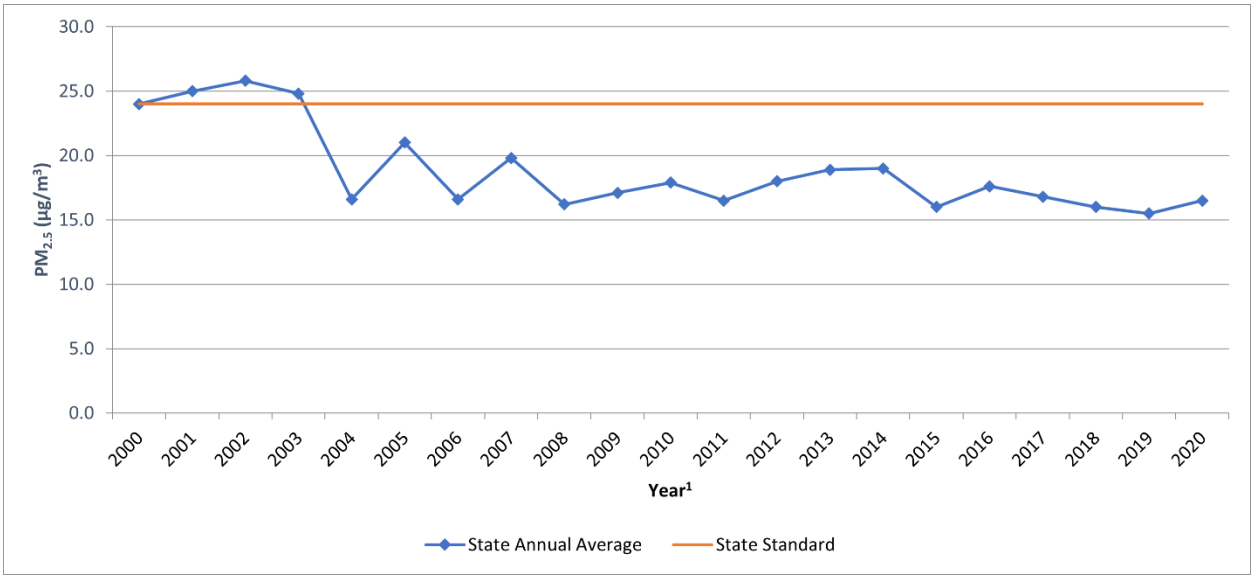
Tables 2-8 and 2-9 shows the most recent 24-hour average $PM_{2.5}$ concentrations in the SCAB from 1999 through 2020. Overall, the national and state annual average concentrations have decreased by almost 50% and 31% respectively (22). It should be noted that the SCAB is currently designated as nonattainment 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.

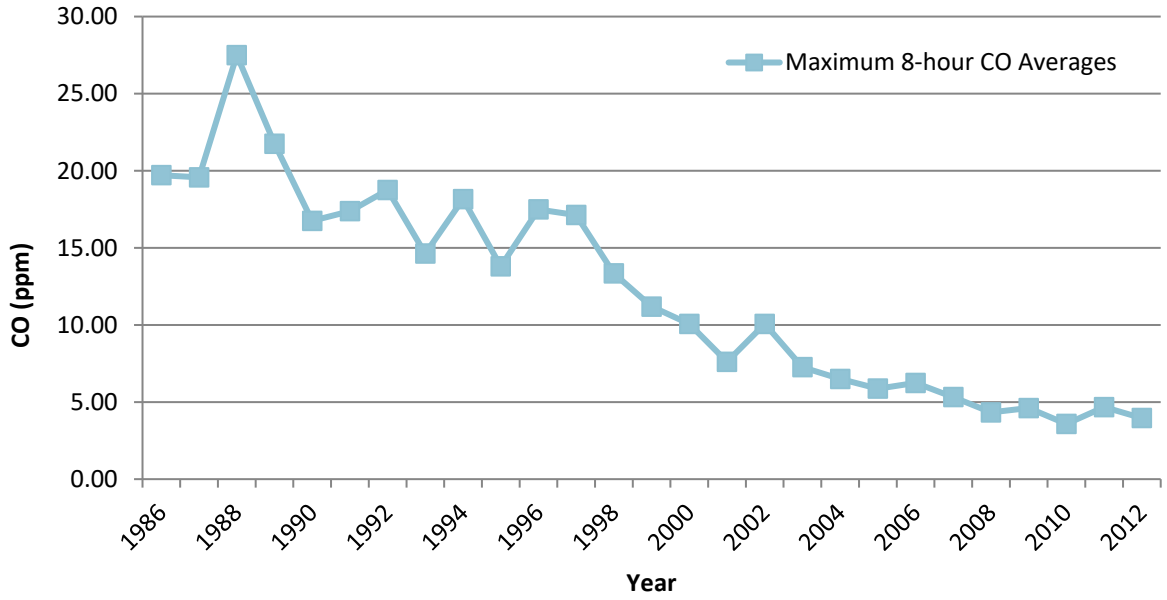
While the 2012 AQMP PM_{10} attainment demonstration and the 2015 associated supplemental SIP submission indicated that attainment of the 24-hour standard was predicted to occur by the end of 2015, it could not anticipate the effect of the ongoing drought on the measured $PM_{2.5}$.

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 (23).

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 (24). 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 (25).

The most recent CO concentrations in the SCAB are shown in Table 2-10 (22). 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]

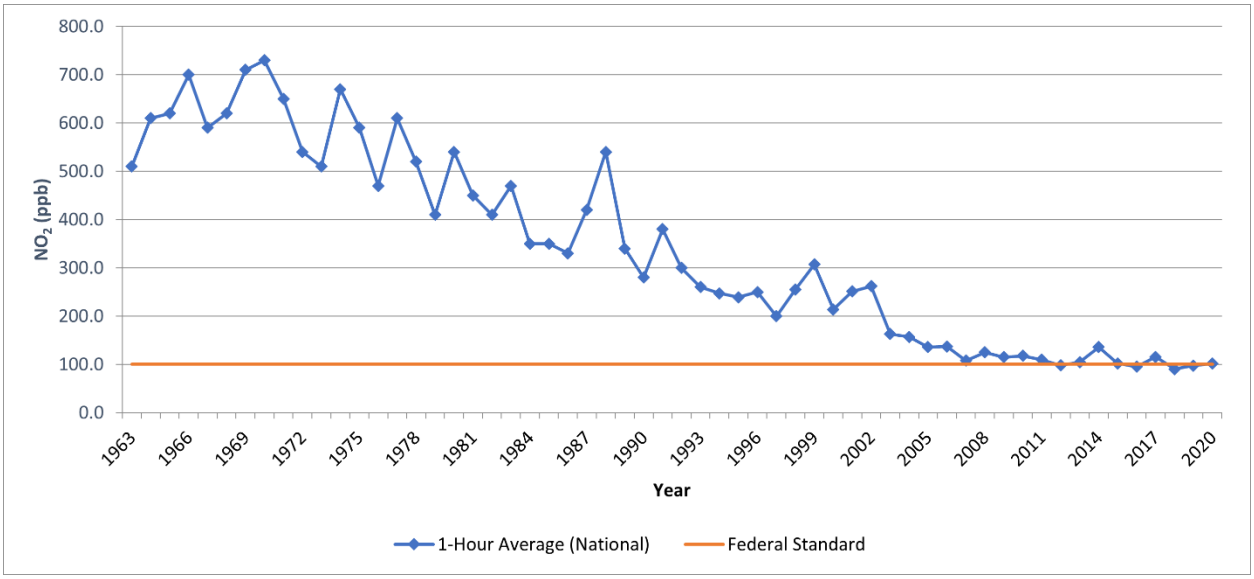


Source: 2020 CARB, iADAM: Top Four Summary: CO 8-Hour Averages (1986-2012)
[1] The most recent year where 8-hour concentration data is available is 2012.

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*) (26). 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.

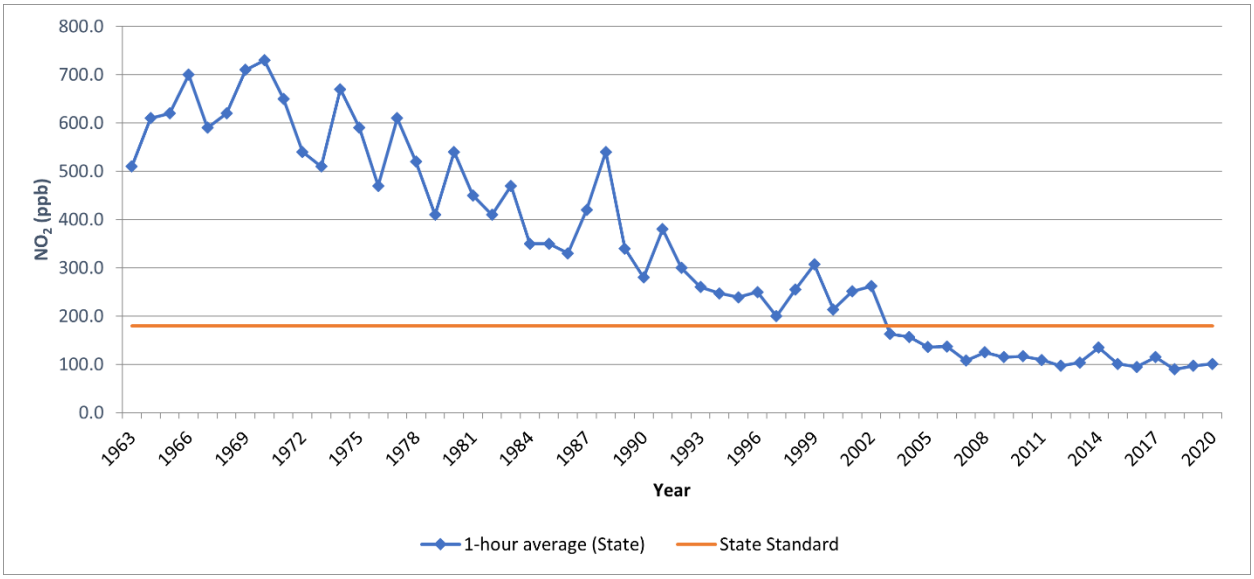
The most recent NO_2 data for the SCAB is shown in Tables 2-11 and 2-12 (22). Over the last 50 years, NO_2 values have decreased significantly; the peak 1-hour national and state averages for 2020 is approximately 80% lower than what it was during 1963. The SCAB attained the State 1-hour NO_2 standard 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 (27). 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 (28) 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.

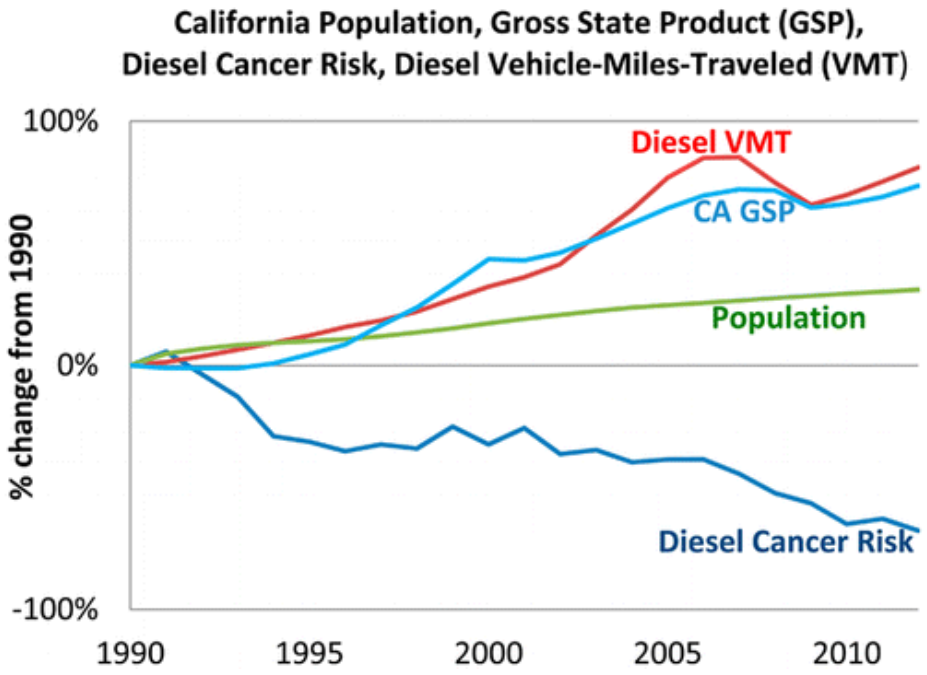
MOBILE SOURCE TACS

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 (28).

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 (29), CARB statewide On-road Truck and Bus Regulation (30), and the Ports of Los Angeles and Long Beach Clean Truck Program (CTP) require accelerated implementation of "clean trucks" into the statewide truck fleet (31). In other words, older more polluting trucks would be replaced with newer, cleaner trucks as a function of these regulatory requirements.

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

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

CANCER RISK TRENDS

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

In January 2018, as part of the overall effort to reduce air toxics exposure in the SCAB, SCAQMD began conducting the MATES V Program. MATES V field measurements were conducted at ten fixed sites (the same sites selected for MATES III and IV) to assess trends in air toxics levels. MATES V also included measurements of ultrafine particles (UFP) and black carbon (BC) concentrations, which can be compared to the UFP levels measured in MATES IV (32). The final report for the MATES V study was published in in August 2021. In addition to new measurements and updated modeling results, several key updates were implemented in MATES V. First, MATES V estimates cancer risks by taking into account multiple exposure pathways, which includes inhalation and non-inhalation pathways. This approach is consistent with how cancer risks are estimated in South Coast AQMD's programs such as permitting, Air Toxics Hot Spots (AB2588), and CEQA. Previous MATES studies quantified the cancer risks based on the inhalation pathway only. Second, along with cancer risk estimates, MATES V includes information on the chronic non-cancer risks from inhalation and non-inhalation pathways for the first time. Cancer risks and chronic non-cancer risks from MATES II through IV measurements have been re-examined using current Office of Environmental Health Hazard Assessment (OEHHA) and CalEPA risk assessment methodologies and modern statistical methods to examine the trends over time (33).

MATES-V calculated cancer risks based on monitoring data collected at ten fixed sites within the SCAB. None of the fixed monitoring sites are within the local area of the Project site. However, MATES-V has extrapolated the excess cancer risk levels throughout the SCAB by modeling the specific grids. The Project is located within a quadrant of the geographic grid of the MATES-V model which predicted a cancer risk of 455 in one million for the area containing the Project site. The air toxic cancer risk in the Project area is higher than 15% of the SCAQMD population. DPM is included in this cancer risk along with all other TAC sources. As in previous MATES iterations, diesel PM is the largest contributor to overall air toxics cancer risk. However, the average levels of diesel PM in MATES V are 53% lower at the 10 monitoring sites compared to MATES IV. Cumulative Project generated TACs are limited to DPM.

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3 EXISTING PROJECT SITE AIR QUALITY CONDITIONS

The Project site is currently occupied by the Highland Avenue Gravel Pit. Prior to redevelopment of the Project Site, the existing gravel pit operation and aggregate processing facility will be relocated. Following relocation of the aggregate processing facility, the current operator has confirmed that the hauling distance of aggregate materials will be reduced such that the Caterpillar 777 off-highway trucks currently in use at the facility will be utilized for a total of ten fewer hours per day. As such, Table 3-1 below presents the anticipated reduction in daily emissions that would occur as a result of this reduction in equipment usage. Detailed operation model outputs are presented in Appendix 3.1.

TABLE 3-1: EMISSIONS REDUCTIONS FROM CAT 777 REDUCED OPERATION

Source	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
Cat 777 Reduction from 10 hours	-0.71	-29.78	-20.43	-0.04	-0.71	-0.63
Winter						
Cat 777 Reduction from 10 hours	-0.71	-29.78	-20.43	-0.04	-0.71	-0.63

Source: CalEEMod existing operational-source emissions are presented in Appendix 3.1.

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4 PROJECT AIR QUALITY IMPACT

4.1 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.

4.2 STANDARDS OF SIGNIFICANCE

The criteria used to determine the significance of potential Project-related air quality impacts are taken from the *State 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 developed regional significance thresholds for criteria pollutants, as summarized at Table 3-1 (34). The SCAQMD's *CEQA Air Quality Significance Thresholds* (April 2019) indicate that any projects in the SCAB with daily emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact.

TABLE 4-1: MAXIMUM DAILY REGIONAL EMISSIONS THRESHOLDS

Pollutant	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

4.3 MODELS EMPLOYED TO ANALYZE AIR QUALITY

4.3.1 CALEEMOD

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

In May 2022 California Air Pollution Control Officers Association (CAPCOA) in conjunction with other California air districts, including the SCAQMD, released the latest version of CalEEMod version 2022. 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 (35). 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 construction and operational activity are provided in Appendices 4.1 and 4.2, respectively.

4.4 CONSTRUCTION EMISSIONS

Construction activities associated with the Project will 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:

- Demolition
- Site Preparation
- Grading
- 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. This analysis assumes that approximately 55,000 cubic yards (CY) of soil export will be required during Project grading activities.

OFF-SITE UTILITY AND INFRASTRUCTURE IMPROVEMENTS

In addition, to support the Project development, off-site utility and infrastructure improvements are anticipated on the immediately surrounding roadways. It is expected that the off-site construction activities would not take place at one location for the entire duration of construction. It is anticipated that off-site utility and infrastructure improvements would occur

concurrent with other utility instillation activities. Impacts associated with these expected activities are not expected to exceed the emissions identified for Project-related construction activities. 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 and vendors commuting to and from the site, as well as haul trucks for the import of soil during grading activities. The number of worker, vendor, and hauling trips are presented below in Table 4-2. 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 4-2: CONSTRUCTION TRIP ASSUMPTIONS

Construction Activity	Worker Trips Per Day	Vendor Trips Per Day	Hauling Trips Per Day
Demolition	15	16	0
Site Preparation	18	16	0
Grading	65	79	46
Building Construction	785	143	0
Paving	15	52	0
Architectural Coating	157	0	0

4.4.1 CONSTRUCTION DURATION

For purposes of analysis, construction of the Project is expected to last approximately 20 months, commencing in October 2027 and being completed in June 2029. The construction schedule utilized in the analysis, shown in Table 4-3, 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 was based on information provided by the Project Applicant and represents a reasonable approximation of the expected construction fleet as required per the *State CEQA Guidelines* (1).

3.4.2 CONSTRUCTION EQUIPMENT

Consistent with industry standards and typical construction practices, each piece of equipment listed in Table 4-4 will operate up to a total of eight (8) hours per day.

[3] As shown in the CalEEMod User's Guide Version 2020.4.0, 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.

TABLE 4-3: CONSTRUCTION DURATION

Construction Activity	Start Date	End Date	Days
Demolition	10/1/2027	11/11/2027	30
Site Preparation	10/1/2027	11/11/2027	30
Grading	11/12/2027	6/8/2028	150
Building Construction	6/9/2028	6/26/2029	273
Paving	2/7/2029	6/26/2029	100
Architectural Coating	3/21/2029	6/26/2029	70

TABLE 4-4: CONSTRUCTION EQUIPMENT ASSUMPTIONS

Construction Activity	Equipment[1]	Amount	Hours Per Day
Demolition	Rubber Tired Dozers	2	8
	Excavators	3	8
	Concrete/Industrial Saws	1	8
Site Preparation	Crawler Tractors	4	8
	Rubber Tired Dozers	3	8
Grading	Crawler Tractors	2	8
	Excavators	4	8
	Graders	3	8
	Rubber Tired Dozers	3	8
	Scrapers	14	8
Building Construction	Cranes	2	8
	Forklifts	12	8
	Generator Sets	12	8
	Tractors/Loaders/Backhoes	12	8
	Welders	6	8
Paving	Pavers	2	8
	Paving Equipment	2	8
	Rollers	2	8
Architectural Coating	Air Compressors	8	8

[1] In order to account for fugitive dust emissions, Crawler Tractors were used in lieu of Tractors/Loaders/Backhoes during the site preparation and grading phases.

4.4.3 CONSTRUCTION EMISSIONS SUMMARY

IMPACTS WITHOUT MITIGATION

CalEEMod calculates maximum daily emissions for summer and winter periods. The estimated maximum daily construction emissions without mitigation are summarized on Table 4-5. Detailed construction model outputs are presented in Appendix 4.1. Without mitigation, emissions resulting from the Project construction will exceed the threshold established by the SCAQMD for emissions of VOCs.

TABLE 4-5: OVERALL CONSTRUCTION EMISSIONS SUMMARY – WITHOUT MITIGATION

Year	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
2027	0.00	0.00	0.00	0.00	0.00	0.00
2028	6.29	93.70	179.00	0.35	12.80	4.49
2029	142.00	66.70	144.00	0.18	15.10	4.23
Winter						
2027	4.54	94.20	178.00	0.35	12.80	4.52
2028	6.11	93.90	178.00	0.35	12.80	4.49
2029	142.00	67.40	130.00	0.18	15.10	4.23
Maximum Daily Emissions	**142.00**	**94.20**	**179.00**	**0.35**	**15.10**	**4.52**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	**YES**	**NO**	**NO**	**NO**	**NO**	**NO**

Source: CalEEMod construction-source emissions are presented in Appendix 4.1.

RECOMMENDED CONSTRUCTION MITIGATION MEASURES

MM AQ-1

To reduce VOC emissions associated with architectural coating, the project designer and contractor shall reduce the use of paints and solvents by utilizing pre-coated materials (e.g., bathroom stall dividers, metal awnings), materials that do not require painting, and require coatings and solvents with a VOC content consistent with Rule 1113 to be utilized for exterior coatings. The construction contractor shall be required to utilize "Super-Compliant" VOC paints for interior surfaces, which are defined as meeting a VOC standard of < 10 g/L. Construction specifications shall be included in building specifications that ensure these requirements are implemented.

IMPACTS WITH MITIGATION

The estimated maximum daily construction emissions without mitigation are summarized on Table 4-6. Detailed construction model outputs are presented in Appendix 4.1. With implementation of MM AQ-1, emissions resulting from the Project construction will not exceed the thresholds established by the SCAQMD for emissions of any criteria pollutant. Regional

emissions resulting from the Project construction would not exceed the regional thresholds established for emissions of any criteria pollutant.

TABLE 4-6: OVERALL CONSTRUCTION EMISSIONS SUMMARY – WITH MITIGATION

Year	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer						
2027	0.00	0.00	0.00	0.00	0.00	0.00
2028	6.29	93.70	179.00	0.35	12.80	4.49
2029	67.90	66.70	144.00	0.18	15.10	4.23
Winter						
2027	4.54	94.20	178.00	0.35	12.80	4.52
2028	6.11	93.90	178.00	0.35	12.80	4.49
2029	67.30	67.40	130.00	0.18	15.10	4.23
Maximum Daily Emissions	**67.90**	**94.20**	**179.00**	**0.35**	**15.10**	**4.52**
SCAQMD Regional Threshold	75	100	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Source: CalEEMod construction-source emissions are presented in Appendix 4.1.

4.5 OPERATIONAL EMISSIONS

Operational activities associated with the Project will 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
- Stationary Source Emissions

4.5.1 AREA SOURCE EMISSIONS

ARCHITECTURAL COATINGS

Over a period of time the buildings that are part of this Project will require maintenance and will 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. The emissions associated with landscape maintenance equipment were calculated based on assumptions provided in CalEEMod.

4.5.2 ENERGY SOURCE EMISSIONS

COMBUSTION EMISSIONS ASSOCIATED WITH NATURAL GAS AND ELECTRICITY

Electricity and natural gas are used by almost every project. Criteria pollutant emissions are emitted through the generation of electricity and consumption of natural gas. However, because electrical generating facilities for the Project area are located either outside the region (state) or offset through the use of pollution credits (RECLAIM) for generation within the SCAB, criteria pollutant emissions from offsite generation of electricity are generally excluded from the evaluation of significance and only natural gas use is considered. Based on information provided by the Project Applicant, the Project would not utilize natural gas.

4.5.3 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 *Pepper 210 Commerce Center Traffic Analysis* (TA) were utilized in this analysis (36). Per the *Pepper 210 Commerce Center Traffic Analysis*, the proposed Project expected to generate approximately 4,010 total trips per day which includes 3,300 passenger car trips per day and 710 truck trips per day.

APPROACH FOR ANALYSIS OF THE PROJECT

To determine emissions from passenger car vehicles, the CalEEMod defaults were utilized for trip length and trip purpose. For the proposed warehouse yard office use, the CalEEMod default fleet mix was used. For the proposed high-cube fulfillment warehouse use, it is important to note that although the *Pepper 210 Commerce Center 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

[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.

types. In order to account for emissions generated by passenger cars, the fleet mix in Table 4-6 was utilized.

TABLE 4-7: PASSENGER CAR FLEET MIX

Land Use	% Vehicle Type				
	LDA	LDT1	LDT2	MDV	MCY
High-Cube Fulfillment Center Warehouse	53.53%	3.96%	23.79%	16.49%	2.23%

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 14.2 miles for 2-axle and 3-axle (LHDT1, LHDT2, and MHDT) trucks and 40 miles for 4+-axle (HHDT) trucks and weighting the average trip lengths using traffic trip percentages taken from the *Pepper 210 Commerce Center Traffic Analysis*. The trip length function for the proposed industrial building use has been revised to 34.52 miles, with an assumption of 100% primary trips for the proposed industrial land uses. In order to be consistent with the *Pepper 210 Commerce Center Traffic Analysis*, 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 in the *Pepper 210 Commerce Center Traffic Analysis*. 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 (MHD)/3-axle, and Heavy-Heavy-Duty Trucks (HHD)/4+-axle. To account for emissions generated by trucks, the following fleet mix was utilized in this analysis:

TABLE 4-8: TRUCK FLEET MIX

Land Use	% Vehicle Type			
	LHDT1	LHDT2	MHDT	HHDT
High-Cube Fulfillment Center Warehouse	8.40%	2.31%	10.70%	78.59%

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

FUGITIVE DUST RELATED TO VEHICULAR TRAVEL

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

4.5.4 STATIONARY SOURCE EMISSIONS

The proposed Project was conservatively assumed to include installation of a 300-horsepower diesel-powered fire pump. The fire pump was estimated to operate for up to 1 hour per day, 1

[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.

day per week for up to 50 hours per year for maintenance and testing purposes. Emissions associated with the stationary diesel-powered emergency fire pumps were calculated using CalEEMod.

4.5.5 ON-SITE CARGO HANDLING EQUIPMENT EMISSIONS

It is common for industrial buildings to require the operation of exterior cargo handling equipment in the building's truck court areas. For this particular Project, on-site modeled operational equipment includes up to seven (7) 175 horsepower (hp), natural gas-powered cargo handling equipment – port tractors operating at 4 hours a day[8] for 365 days of the year.

4.5.6 OPERATIONAL EMISSIONS SUMMARY

IMPACTS WITHOUT MITIGATION

Operational-source emissions are summarized on Table 4-9. As indicated, without mitigation the Project would exceed regional thresholds of significance established by the SCAQMD for emissions of VOCs.

TABLE 4-9: SUMMARY OF PEAK OPERATIONAL EMISSIONS – WITHOUT MITIGATION

Source	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer (Smog Season)						
Mobile Source	10.6	72.6	106	0.76	37.7	10.7
Area Source	58.5	0.68	81.3	<0.005	0.14	0.11
Energy Source	0	0	0	0	0	0
On-Site Equipment	0.82	2.63	115.11	0.00	0.21	0.19
Emergency Fire Pumps	0.98	2.75	2.51	<0.005	0.14	0.14
Total Maximum Daily Emissions	**70.90**	**78.66**	**304.92**	**0.76**	**38.19**	**11.14**
Cat 777 Reduced Operations	**-0.71**	**-29.78**	**-20.43**	**-0.04**	**-0.71**	**-0.63**
Net	**70.19**	**48.88**	**284.49**	**0.72**	**37.48**	**10.51**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**YES**	**NO**	**NO**	**NO**	**NO**	**NO**
Winter						
Mobile Source	10.1	76.1	96.6	0.75	37.7	10.7
Area Source	45.1	0	0	0	0	0
Energy Source	0	0	0	0	0	0
On-Site Equipment	0.82	2.63	115.11	0.00	0.21	0.19
Emergency Fire Pumps	0.98	2.75	2.51	<0.005	0.14	0.14

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

Source	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Total Maximum Daily Emissions	**57.00**	**81.48**	**214.22**	**0.75**	**38.05**	**11.03**
Cat 777 Reduced Operations	**-0.71**	**-29.78**	**-20.43**	**-0.04**	**-0.71**	**-0.63**
Net	**56.29**	**51.70**	**193.79**	**0.71**	**37.34**	**10.40**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**YES**	**NO**	**NO**	**NO**	**NO**	**NO**

Source: CalEEMod operation-source emissions are presented in Appendix 4.2.

RECOMMENDED OPERATIONAL MITIGATION MEASURES

MM AQ-2

Prior to the issuing of each building permit, the project proponent and its contractors shall provide plans and specifications to the Building Department that demonstrate that electrical service is provided to each of the areas in the vicinity of the building that are to be landscaped in order that electrical equipment may be used for landscape maintenance. The Project proponent shall ensure that all building tenants shall utilize corded or battery-powered electric equipment for landscape maintenance, to the extent feasible, through requirements in the lease agreements.

Alternatively, the project proponent shall ensure that all building tenants shall utilize battery-powered electric equipment for landscape maintenance, to the extent feasible, through requirements in the lease agreements.

MM AQ-3

The project proponent shall ensure that all building tenants shall utilize only electric service yard trucks (hostlers), pallet jacks and forklifts, and other onsite equipment through requirements in the lease agreements.

MM AQ-4

To reduce VOC emissions associated with repainting activities, the project proponent shall require coatings and solvents with a VOC content consistent with Rule 1113 to be utilized for exterior coatings. The project proponent shall be required to utilize "Super-Compliant" VOC paints for interior surfaces, which are defined as meeting a VOC standard of < 10 g/L, through requirements in the lease agreements.

IMPACTS WITH MITIGATION

Operational-source emissions are presented on Table 4-10. As indicated, with implementation of MM AQ-2 through MM AQ-4, Project operational emissions will not exceed the thresholds established by SCAQMD for emissions of any criteria pollutant. Detailed operational model outputs are presented in Appendix 4.2.

TABLE 4-10: SUMMARY OF PEAK OPERATIONAL EMISSIONS – WITH MITIGATION

Source	Emissions (lbs/day)					
	VOC	NO_X	CO	SO_X	PM_{10}	$PM_{2.5}$
Summer (Smog Season)						
Mobile Source	10.6	72.6	106	0.76	37.7	10.7
Area Source	41.3	0	0	0	0	0
Energy Source	0	0	0	0	0	0
On-Site Equipment	0	0	0	0	0	0
Emergency Fire Pumps	0.98	2.75	2.51	<0.005	0.14	0.14
Total Maximum Daily Emissions	**52.88**	**75.35**	**108.51**	**0.76**	**37.84**	**10.84**
Cat 777 Reduced Operations	**-0.71**	**-29.78**	**-20.43**	**-0.04**	**-0.71**	**-0.63**
Net	**52.17**	**45.57**	**88.08**	**0.72**	**37.13**	**10.21**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**
Winter						
Mobile Source	10.1	76.1	96.6	0.75	37.7	10.7
Area Source	41.3	0	0	0	0	0
Energy Source	0	0	0	0	0	0
On-Site Equipment	0	0	0	0	0	0
Emergency Fire Pumps	0.98	2.75	2.51	<0.005	0.14	0.14
Total Maximum Daily Emissions	**52.38**	**78.85**	**99.11**	**0.75**	**37.84**	**10.84**
Cat 777 Reduced Operations	**-0.71**	**-29.78**	**-20.43**	**-0.04**	**-0.71**	**-0.63**
Net	**51.67**	**49.07**	**78.68**	**0.71**	**37.13**	**10.21**
SCAQMD Regional Threshold	55	55	550	150	150	55
Threshold Exceeded?	**NO**	**NO**	**NO**	**NO**	**NO**	**NO**

Source: CalEEMod operation-source emissions are presented in Appendix 4.2.

4.6 LOCALIZED SIGNIFICANCE

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[9]. LSTs represent the maximum emissions from a project that would not cause

[9] 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

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* (37).

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 (38)." As such, for purposes of the construction LST analysis, only emissions included in the CalEEMod "on-site" emissions outputs were considered.

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 Fontana 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.

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."

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* (38)." 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 4-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 the existing residence at 2184 N. Oakdale Avenue, approximately 140 feet west of the Project site. Since there are no private outdoor living areas (backyards) facing the Project site, Receptor R1 is placed at the building façade.

R2: Location R2 represents the existing residence at 2300 Powell Drive, approximately 416 feet west of the Project site. Receptor R2 is placed in the private outdoor living areas (backyard) facing the Project site.

R3: Location R3 represents the existing residence at 2382 Duffy Street, approximately 2,277 feet east of the Project site. Receptor R3 is placed in the private outdoor living areas (backyard) facing the Project site.

R4: Location R4 represents the existing residence at 1951 Joyce Avenue, approximately 2,277 feet east of the Project site. Receptor R4 is placed in the private outdoor living areas (backyard) facing the Project site.

R5: Location R5 represents the existing residence at 1974 N. Oakdale Avenue, approximately 761 feet south of the Project site. Receptor R5 is placed in the private outdoor living areas (backyard) facing the Project site.

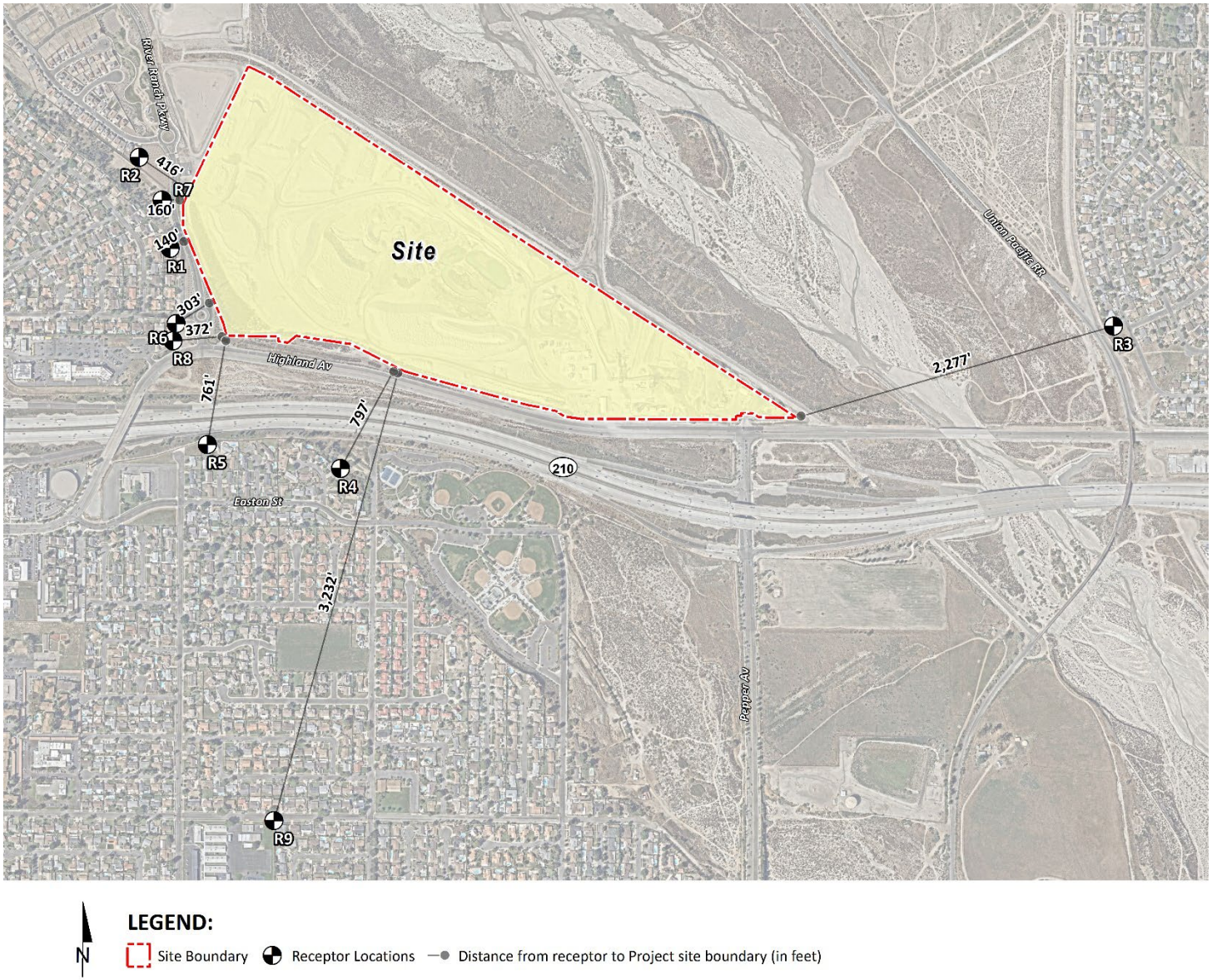
R6: Location R6 represents the existing residence at 2132 N. Oakdale Avenue, approximately 303 feet west of the Project site. Receptor R6 is placed in the private outdoor living areas (backyard) facing the Project site.

R7: Location R7 represents the potential Rialto Olive Grove Apartments located on the west side of River Ranch Parkway approximately 850 feet north of Highland Avenue, approximately 160 feet west of the Project site.

R8: Location R8 represents the potential worker receptor located at Alta Vista Credit Union, located at 2025 Riverside Avenue.

R9: Location R9 represents Morgan Elementary School, located at 1571 N. Sycamore Avenue.

EXHIBIT 4-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 4-11. 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 4.1.

TABLE 4-11 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	0.05	0.02	1.58E-02	0.75	0.26
Background Concentration [A]	2.0	1.6	0.056		
Total Concentration	**2.05**	**1.62**	**0.07**	**0.75**	**0.26**
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. Per SCAQMD LST guidance, PM_{10} and $PM_{2.5}$ background concentrations are not considered.

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 4.5 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 2.0 miles was utilized 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, as illustrated on Table 4-12 (without mitigation) and Table 4-13 (with mitigation). 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 4.3.

TABLE 4-12: LOCALIZED SIGNIFICANCE SUMMARY PEAK OPERATIONS – WITHOUT MITIGATION

Peak Operations	CO		NO_2	PM_{10}	$PM_{2.5}$
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	4.91E-02	3.22E-02	2.43E-03	0.61	0.19
Background Concentration [A]	2.0	1.6	0.056		
Total Concentration	**2.05**	**1.63**	**0.06**	**0.61**	**0.19**
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. Per SCAQMD LST guidance, PM_{10} and $PM_{2.5}$ background concentrations are not considered.
Notes: PM_{10} and $PM_{2.5}$ concentrations are expressed in $\mu g/m^3$. All others are expressed in ppm.

TABLE 4-13: LOCALIZED SIGNIFICANCE SUMMARY PEAK OPERATIONS – WITH MITIGATION

Peak Operations	CO		NO_2	PM_{10}	$PM_{2.5}$
	Averaging Time				
	1-Hour	8-Hour	1-Hour	24-Hours	24-Hours
Peak Day Localized Emissions	3.24E-02	2.13E-02	2.43E-03	0.60	0.18
Background Concentration [A]	2.0	1.6	0.056		
Total Concentration	**2.03**	**1.62**	**0.06**	**0.60**	**0.18**
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. Per SCAQMD LST guidance, PM_{10} and $PM_{2.5}$ background concentrations are not considered.
Notes: PM_{10} and $PM_{2.5}$ concentrations are expressed in $\mu g/m^3$. All others are expressed in ppm.

4.9 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 4-14.

TABLE 4-14: CO MODEL RESULTS

Intersection Location	CO Concentrations (ppm)		
	Morning 1-hour	Afternoon 1-hour	8-hour
Wilshire Blvd./Veteran Ave.	4.6	3.5	4.2
Sunset Blvd./Highland Ave.	4	4.5	3.9
La Cienega Blvd./Century Blvd.	3.7	3.1	5.8
Long Beach Blvd./Imperial Hwy.	3	3.1	9.3

Blvd. = Boulevard
Highway = Hwy.
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 CO 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, 9.3 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 8.6 ppm were due to the ambient air measurements at the time the 2003 AQMP was prepared (39). 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 2.0 ppm and 1.6 ppm, respectively (data from San Bernardino Valley 2 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 (40). Traffic volumes generating the CO concentrations for the "hot spot" analysis is shown on Table 4-15. The busiest intersection evaluated was that at Wilshire Blvd. and Veteran Ave., 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 (39). 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)[10].

TABLE 4-15: TRAFFIC VOLUMES

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

Source: 2003 AQMP

As summarized on Table 4-16 below, the intersection of Pepper Avenue and the SR-210 eastbound ramps would have the highest AM and PM traffic volumes of 3,470 vph and 3,493 vph, respectively. As such, 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 4-16: 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)
Pepper Ave. / SR-210 EB Ramps	1,467/1,543	1,149/943	853/1,007	0/0	3,470/3,493
Pepper Ave. / SR-210 WB Ramps	1,166/1,374	717/732	0/0	806/594	2,689/2,699
State St. / Highland Ave.	711/851	439/497	427/539	607/786	2,185/2,673
Pepper Ave. / Highland Ave.	622/829	23/115	364/552	698/687	1,707/2,183

Ave. = Avenue
EB = Eastbound
WB = Westbound
St. = Street

Source: *Pepper 210 Commerce Center Traffic Analysis* (Urban Crossroads, Inc., 2024)

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

4.10 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 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 to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.

In December 2022, the SCAQMD released the *Final 2022 AQMP* (*2022 AQMP*). The *2022 AQMP* continues to evaluate current integrated strategies and control measures to meet the CAAQS, as well as explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (41). Similar to the 2016 AQMP, the *2022 AQMP* incorporates scientific and technological information and planning assumptions, including the *2020-2045 RTP/SCS*, a planning document that supports the integration of land use and transportation to help the region meet the federal CAA requirements (25). The Project's consistency with the AQMP will be determined using the *2022 AQMP* as discussed below.

Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the *1993 CEQA Handbook* (42). These indicators are discussed below:

4.10.1 CONSISTENCY CRITERION NO. 1

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

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

Construction Impacts – Consistency Criterion 1

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 regional and localized construction-source emissions would not exceed applicable regional significance threshold and LST thresholds after implementation of MM AQ-1. As such, a less than significant impact is expected.

Operational Impacts – Consistency Criterion 1

As evaluated, the Project's regional and localized operational-source emissions would not exceed applicable regional significance threshold and LST thresholds after implementation of MM AQ-2 through MM AQ-4. As such, a less than significant impact is expected.

On the basis of the preceding discussion, the Project is determined to be consistent with Consistency Criterion No. 1.

4.10.2 CONSISTENCY CRITERION NO. 2

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

The 2022 *AQMP* demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by 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 San Bernardino 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 Project site is located within an unincorporated portion of San Bernardino County. The General Plan designates the Project site for "Resource/Land Management (RLM)" uses. Implementation of the Project will require an amendment to the General Plan land use designation.

Although the Project is not consistent with the current General Plan land use designations at this time, approval of the proposed Project would require approval of a General Plan amendment such that the proposed Project land uses would be consistent with the General Plan. Therefore, the Project is considered to be consistent with the second criterion.

AQMP CONSISTENCY CONCLUSION

The Project would be consistent with AQMP Criterion No. 1 and Criterion No. 2. As such, a less than significant impact would result.

4.11 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 will 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 will 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.

4.11.1 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 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.

As discussed in briefs filed in the Friant Ranch case, correlating a project's criteria air pollutant emissions to specific health impacts is challenging. The SCAQMD, which has among the most sophisticated air quality modeling and health impact evaluation capability of any of the air districts in the State, and thus it is uniquely situated to express an opinion on how lead agencies should correlate air quality impacts with specific health outcomes (43) noted that it may be "difficult to quantify health impacts for criteria pollutants." SCAQMD used O_3 as an example of why it is impracticable to determine specific health outcomes from criteria pollutants for all but very large, regional-scale projects. First, forming O_3 "takes time and the influence of meteorological conditions for these reactions to occur, so ozone may be formed at a distance downwind from the sources." (SCAQMD, 2015a, p. 11) Second, "it takes a large amount of additional precursor emissions (NO_X and VOCs) to cause a modeled increase in ambient ozone levels over an entire region," with a 2012 study showing that "reducing NO_X by 432 tons per day (157,680 tons/year) and reducing VOC by 187 tons per day (68,255 tons/year) would reduce ozone levels at the SCAQMD's monitor site with the highest levels by only 9 parts per billion." (SCAQMD, 2015a, pp. 12-14)

SCAQMD concluded that it "does not currently know of a way to accurately quantify ozone-related health impacts caused by NO_X or VOC emissions from relatively small projects." (SCAQMD, 2015a, pp. 12-14) The San Joaquin Valley Unified Air Pollution Control District (SJVUAPCD) ties the difficulty of correlating the emission of criteria pollutants to health impacts to how ozone and particulate matter are formed, stating that "[b]ecause of the complexity of ozone formation, a specific tonnage amount of NO_X or VOCs emitted in a particular area does not equate to a particular concentration of ozone in that area." (SJVUAPCD, 2015, p. 4) Similarly, the tonnage of PM "emitted does not always equate to the local PM concentration because it can be transported long distances by wind," and "[s]econdary PM, like ozone, is formed via complex chemical reactions in the atmosphere between precursor chemicals such as sulfur dioxides (SO_X) and NO_X," meaning that "the tonnage of PM-forming precursor emissions in an area does not necessarily result in an equivalent concentration of secondary PM in that area." (SJVUAPCD, 2015, p. 5) The disconnect between the amount of precursor pollutants and the concentration of ozone or PM formed makes it difficult to determine potential health impacts, which are related

to the concentration of ozone and particulate matter experienced by the receptor rather than levels of NO_X, SO_X, and VOCs produced by a source.

Most local agencies 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 cause 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.

The LST analysis above determined that the Project would not result in emissions exceeding SCAQMD's LSTs. Additionally, it should be noted that the proposed Project is significantly smaller than the project evaluated in the Friant Ranch case, and consequently would be more difficult to analyze impacts. 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 will 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.

4.12 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. While restaurants may result in some odors from the cooking process, these odors are not typically considered objectionable. The proposed Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors associated with the proposed Project construction and operations would be less than significant and no mitigation is required (44).

4.13 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* (45). 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. Alternatively, individual project-related construction and

operational emissions that exceed SCAQMD thresholds for project-specific impacts would be considered cumulatively considerable.

CONSTRUCTION IMPACTS

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that with mitigation, 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 IMPACTS

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

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6 CERTIFICATIONS

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed Pepper 210 Commerce Center. The information contained in this air quality impact assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at hqureshi@urbanxroads.com

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AEP – Association of Environmental Professionals
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PROFESSIONAL CERTIFICATIONS

Planned Communities and Urban Infill – Urban Land Institute • June 2011
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April 2008
Principles of Ambient Air Monitoring – CARB • August 2007
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APPENDIX 2.1:

STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS

Appendix C
Maps and Tables of Area Designations for State and National Ambient Air Quality Standards

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.

(Updated 5/4/16)

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/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.

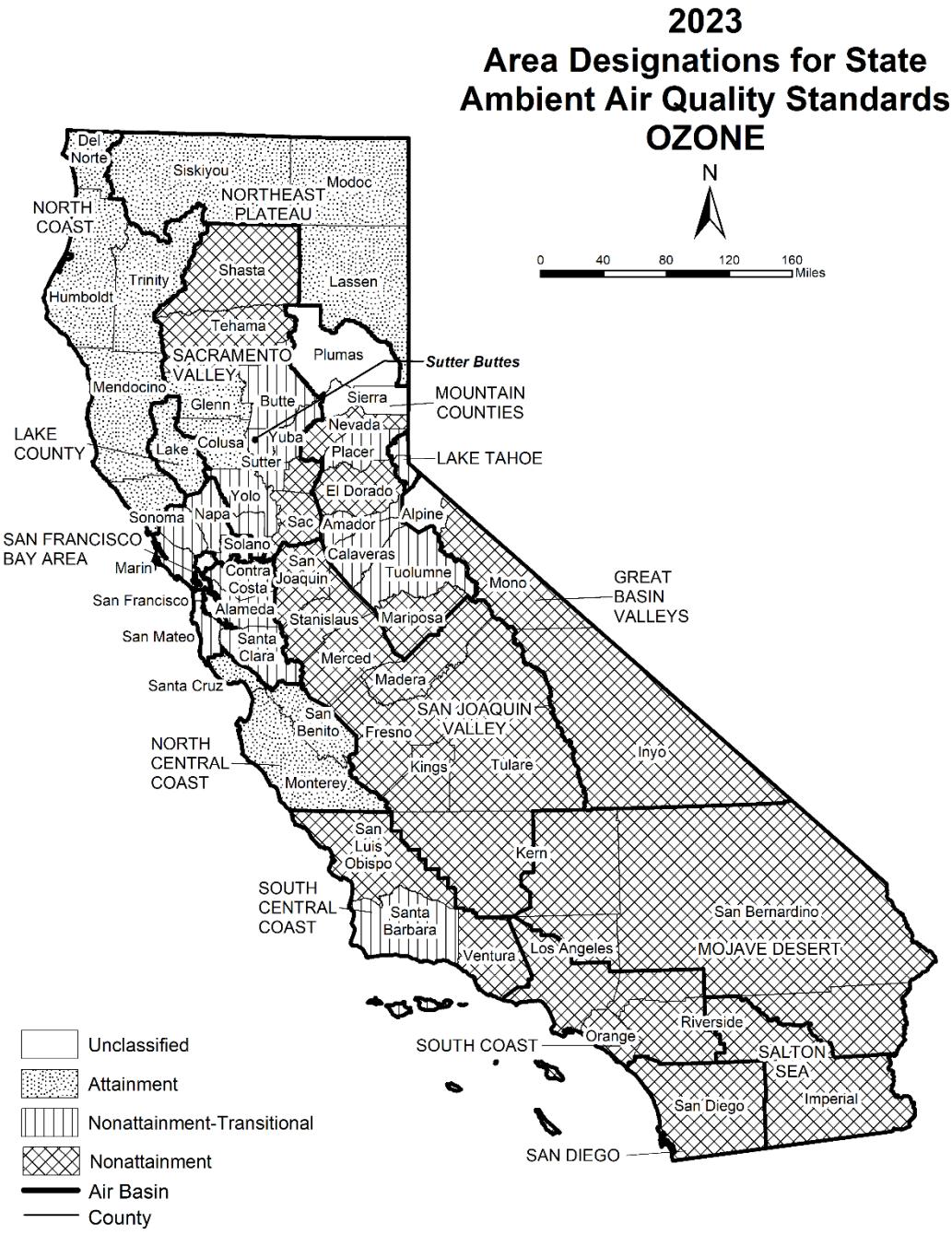
Area Designations for the State Ambient Air Quality Standards

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:

Designation	Abbreviation
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



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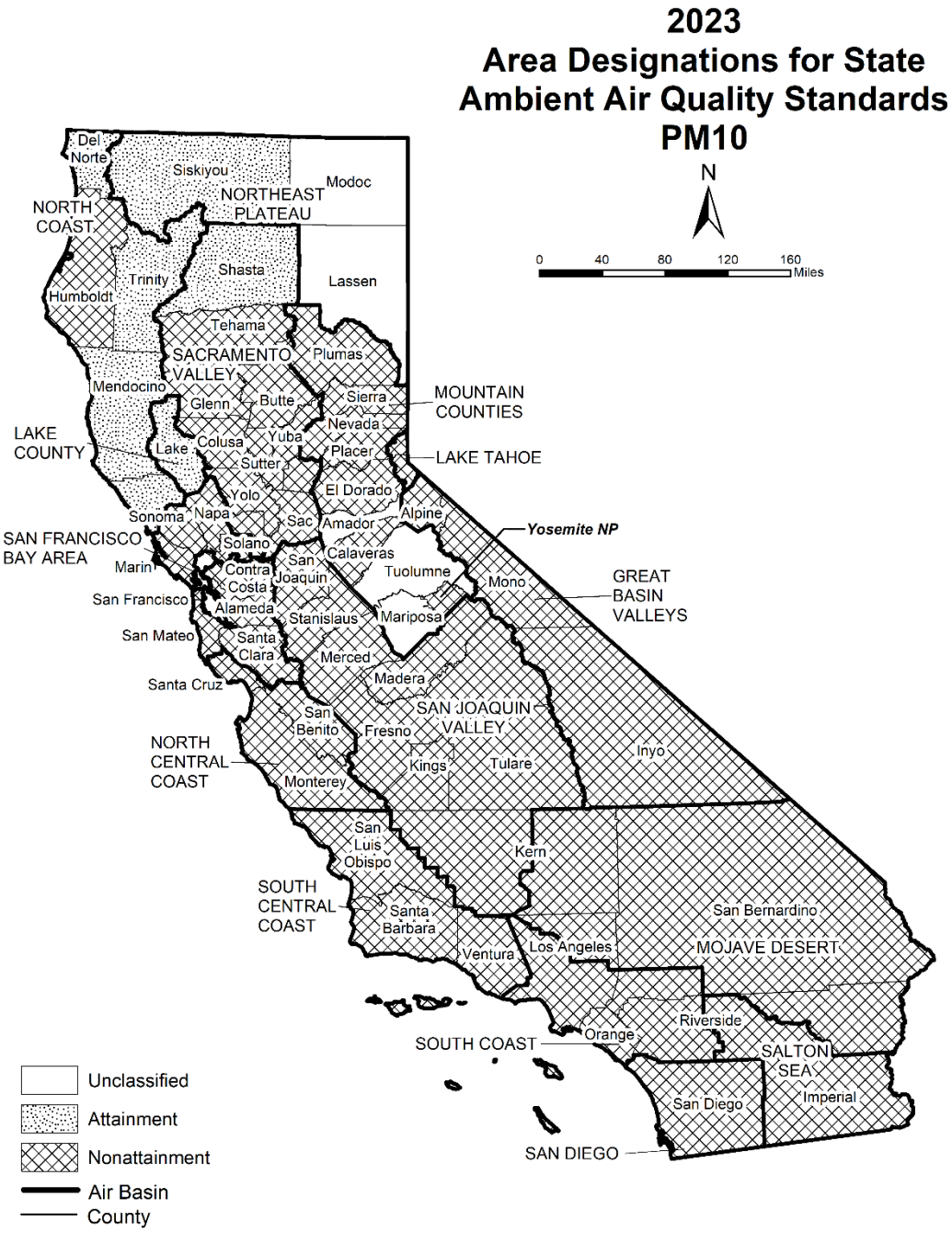
Table 1
California Ambient Air Quality Standards Area Designations for Ozone[1]

Area	N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN				
Alpine County			U	
Inyo County	N			
Mono County	N			
LAKE COUNTY AIR BASIN				A
LAKE TAHOE AIR BASIN		NA-T		
MOJAVE DESERT AIR BASIN	N			
MOUNTAIN COUNTIES AIR BASIN				
Amador County		NA-T		
Calaveras County		NA-T		
El Dorado County (portion)	N			
Mariposa County	N			
Nevada County	N			
Placer County (portion)		NA-T		
Plumas County			U	
Sierra County			U	
Tuolumne County		NA-T		
NORTH CENTRAL COAST AIR BASIN				A
NORTH COAST AIR BASIN				A
NORTHEAST PLATEAU AIR BASIN				A

Area	N	NA-T	U	A
SACRAMENTO VALLEY AIR BASIN				
Butte County		NA-T		
Colusa and Glenn Counties				A
Shasta County	N			
Sutter/Yuba Counties				
Sutter Buttes		NA-T		
Remainder of Sutter County		NA-T		
Yuba County		NA-T		
Yolo/Solano Counties		NA-T		
Remainder of Air Basin	N			
SALTON SEA AIR BASIN	N			
SAN DIEGO AIR BASIN	N			
SAN FRANCISCO BAY AREA AIR BASIN		NA-T		
SAN JOAQUIN VALLEY AIR BASIN	N			
SOUTH CENTRAL COAST AIR BASIN				
San Luis Obispo County	N			
Santa Barbara County		NA-T		
Ventura County	N			
SOUTH COAST AIR BASIN	N			

[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



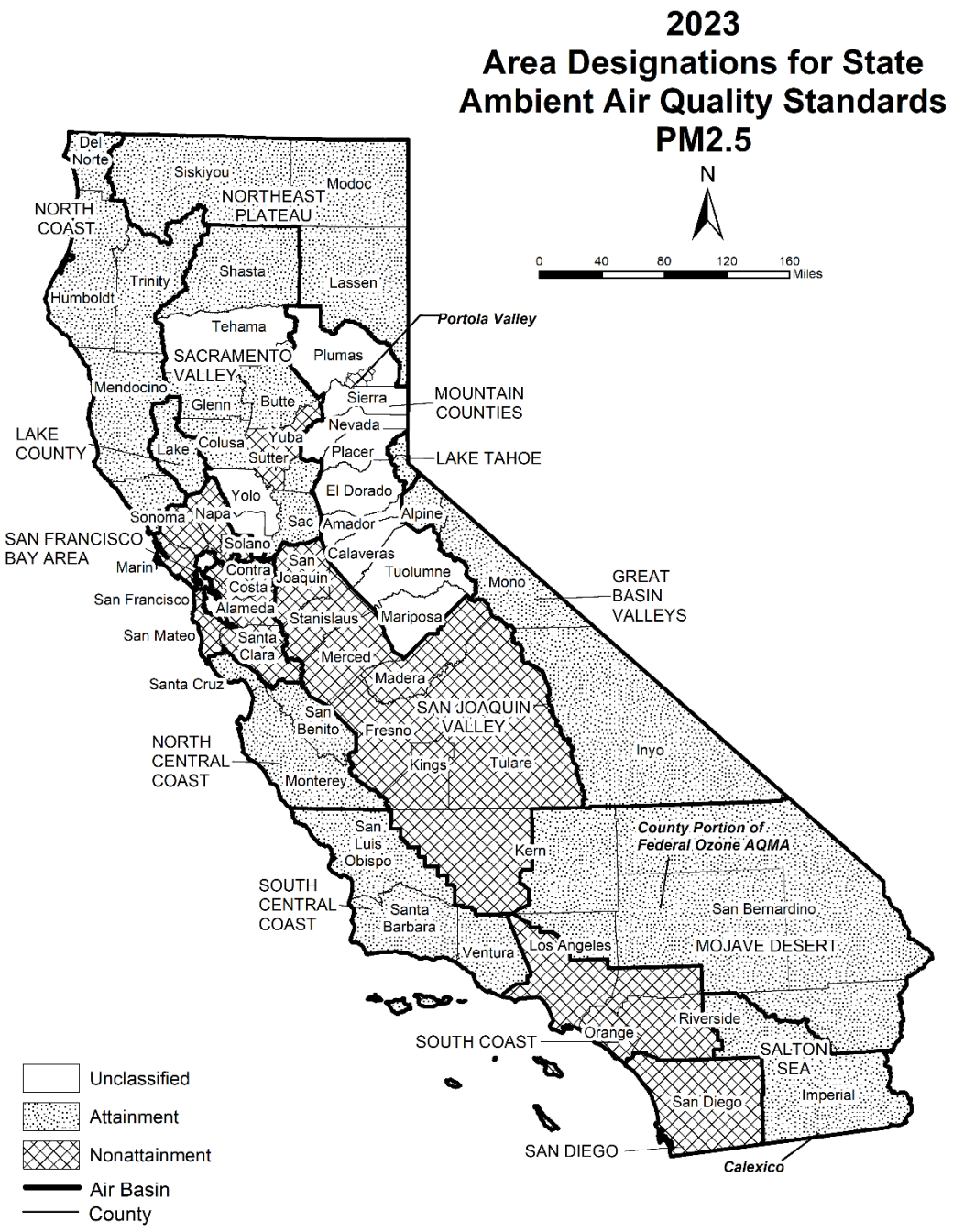
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Table 2
California Ambient Air Quality Standards Area Designations for Suspended Particulate Matter (PM_{10})

Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN	N		
LAKE COUNTY AIR BASIN			A
LAKE TAHOE AIR BASIN	N		
MOJAVE DESERT AIR BASIN	N		
MOUNTAIN COUNTIES AIR BASIN			
Amador County		U	
Calaveras County	N		
El Dorado County (portion)	N		
Mariposa County			
- Yosemite National Park	N		
- Remainder of County		U	
Nevada County	N		
Placer County (portion)	N		
Plumas County	N		
Sierra County	N		
Tuolumne County		U	

Area	N	U	A
NORTH CENTRAL COAST AIR BASIN	N		
NORTH COAST AIR BASIN			
Del Norte, Mendocino, Sonoma (portion) and Trinity Counties			A
Remainder of Air Basin	N		
NORTHEAST PLATEAU AIR BASIN			
Siskiyou County			A
Remainder of Air Basin		U	
SACRAMENTO VALLEY AIR BASIN			
Shasta County			A
Remainder of Air Basin	N		
SALTON SEA AIR BASIN	N		
SAN DIEGO AIR BASIN	N		
SAN FRANCISCO BAY AREA AIR BASIN	N		
SAN JOAQUIN VALLEY AIR BASIN	N		
SOUTH CENTRAL COAST AIR BASIN	N		
SOUTH COAST AIR BASIN	N		

Figure 3



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Table 3
California Ambient Air Quality Standards Area Designations for Fine Particulate Matter ($PM_{2.5}$)

Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN			A
LAKE COUNTY AIR BASIN			A
LAKE TAHOE AIR BASIN			A
MOJAVE DESERT AIR BASIN			A
MOUNTAIN COUNTIES AIR BASIN			
Plumas County			
- Portola Valley[1]	N		
- Remainder Plumas County		U	
Remainder of Air Basin		U	
NORTH CENTRAL COAST AIR BASIN			A
NORTH COAST AIR BASIN			A
NORTHEAST PLATEAU AIR BASIN			A
SACRAMENTO VALLEY AIR BASIN			
Butte County			A
Colusa County			A
Glenn County			A
Placer County (portion)			A
Sacramento County			A
Shasta County			A
Sutter and Yuba Counties	N		
Remainder of Air Basin		U	

Area	N	U	A
SALTON SEA AIR BASIN			
Imperial County			
- City of Calexico[2]	N		
Remainder of Air Basin			A
SAN DIEGO AIR BASIN	N		
SAN FRANCISCO BAY AREA AIR BASIN	N		
SAN JOAQUIN VALLEY AIR BASIN	N		
SOUTH CENTRAL COAST AIR BASIN			A
SOUTH COAST AIR BASIN	N		

[1] California Code of Regulations, title 17, section 60200(c)

[2] California Code of Regulations, title 17, section 60200(a)

Figure 4



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Table 4
California Ambient Air Quality Standards Area Designations for Carbon Monoxide*

Area	N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN				
Alpine County			U	
Inyo County				A
Mono County				A
LAKE COUNTY AIR BASIN				A
LAKE TAHOE AIR BASIN				A
MOJAVE DESERT AIR BASIN				
Kern County (portion)			U	
Los Angeles County (portion)				A
Riverside County (portion)			U	
San Bernardino County (portion)				A
MOUNTAIN COUNTIES AIR BASIN				
Amador County			U	
Calaveras County			U	
El Dorado County (portion)			U	
Mariposa County			U	
Nevada County			U	
Placer County (portion)			U	
Plumas County				A
Sierra County			U	
Tuolumne County				A
NORTH CENTRAL COAST AIR BASIN				
Monterey County				A
San Benito County			U	
Santa Cruz County			U	
NORTH COAST AIR BASIN				
Del Norte County			U	
Humboldt County				A
Mendocino County				A
Sonoma County (portion)			U	
Trinity County			U	
NORTHEAST PLATEAU AIR BASIN			U	

Area	N	NA-T	U	A
SACRAMENTO VALLEY AIR BASIN				
Butte County				A
Colusa County			U	
Glenn County			U	
Placer County (portion)				A
Sacramento County				A
Shasta County			U	
Solano County (portion)				A
Sutter County				A
Tehama County			U	
Yolo County				A
Yuba County			U	
SALTON SEA AIR BASIN				A
SAN DIEGO AIR BASIN				A
SAN FRANCISCO BAY AREA AIR BASIN				A
SAN JOAQUIN VALLEY AIR BASIN				
Fresno County				A
Kern County (portion)				A
Kings County			U	
Madera County			U	
Merced County			U	
San Joaquin County				A
Stanislaus County				A
Tulare County				A
SOUTH CENTRAL COAST AIR BASIN				A
SOUTH COAST AIR BASIN				A

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

Figure 5



Last Updated: November 2023
Air Quality Planning and Science Division, CARB

Table 5
California Ambient Air Quality Standards Area Designations for Nitrogen Dioxide

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

Figure 6



Last Updated: November 2023
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Table 6
California Ambient Air Quality Standards Area Designations for Sulfur Dioxide*

Area	N	A
GREAT BASIN VALLEYS AIR BASIN		A
LAKE COUNTY AIR BASIN		A
LAKE TAHOE AIR BASIN		A
MOJAVE DESERT AIR BASIN		A
MOUNTAIN COUNTIES AIR BASIN		A
NORTH CENTRAL COAST AIR BASIN		A
NORTH COAST AIR BASIN		A
NORTHEAST PLATEAU AIR BASIN		A

Area	N	A
SACRAMENTO VALLEY AIR BASIN		A
SALTON SEA AIR BASIN		A
SAN DIEGO AIR BASIN		A
SAN FRANCISCO BAY AREA AIR BASIN		A
SAN JOAQUIN VALLEY AIR BASIN		A
SOUTH CENTRAL COAST AIR BASIN		A
SOUTH COAST AIR BASIN		A

* The area designated for sulfur dioxide 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 7

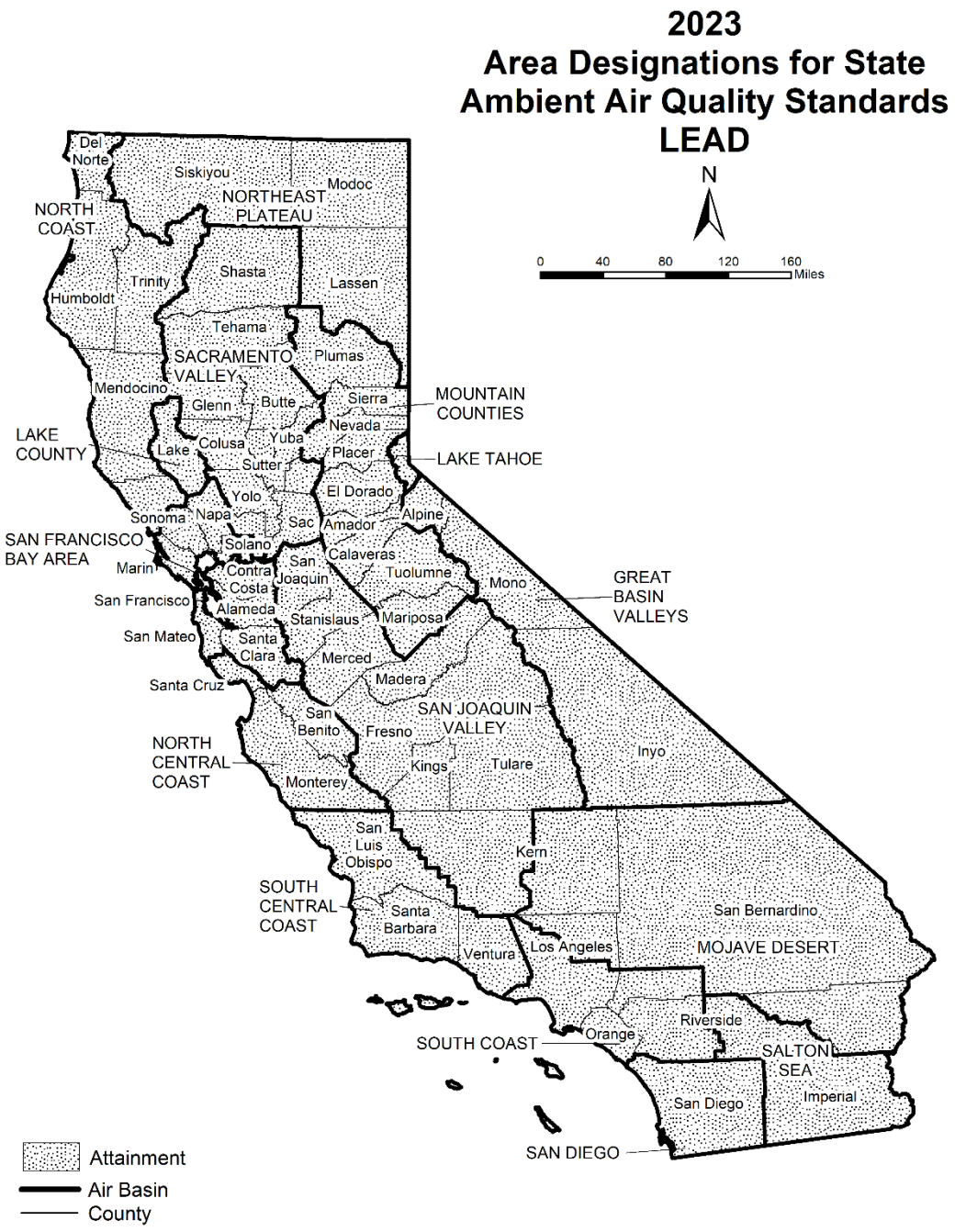

2023
Area Designations for State
Ambient Air Quality Standards
SULFATES
N
0 40 80 120 160
Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Colusa
Yuba
Lake
Placer
LAKE TAHOE
Sutter
Yolo
El Dorado
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
SAN JOAQUIN VALLEY
San Benito
Fresno
Inyo
NORTH CENTRAL COAST
Kings
Tulare
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
Orange
SOUTH COAST
SALTON SEA
San Diego
Imperial
SAN DIEGO
Attainment
Air Basin
County
Last Updated: November 2023
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Table 7
California Ambient Air Quality Standards Area Designations for Sulfates

Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN			A
LAKE COUNTY AIR BASIN			A
LAKE TAHOE AIR BASIN			A
MOJAVE DESERT AIR BASIN			A
MOUNTAIN COUNTIES AIR BASIN			A
NORTH CENTRAL COAST AIR BASIN			A
NORTH COAST AIR BASIN			A
NORTHEAST PLATEAU AIR BASIN			A

Area	N	U	A
SACRAMENTO VALLEY AIR BASIN			A
SALTON SEA AIR BASIN			A
SAN DIEGO AIR BASIN			A
SAN FRANCISCO BAY AREA AIR BASIN			A
SAN JOAQUIN VALLEY AIR BASIN			A
SOUTH CENTRAL COAST AIR BASIN			A
SOUTH COAST AIR BASIN			A

Figure 8



Last Updated: November 2023
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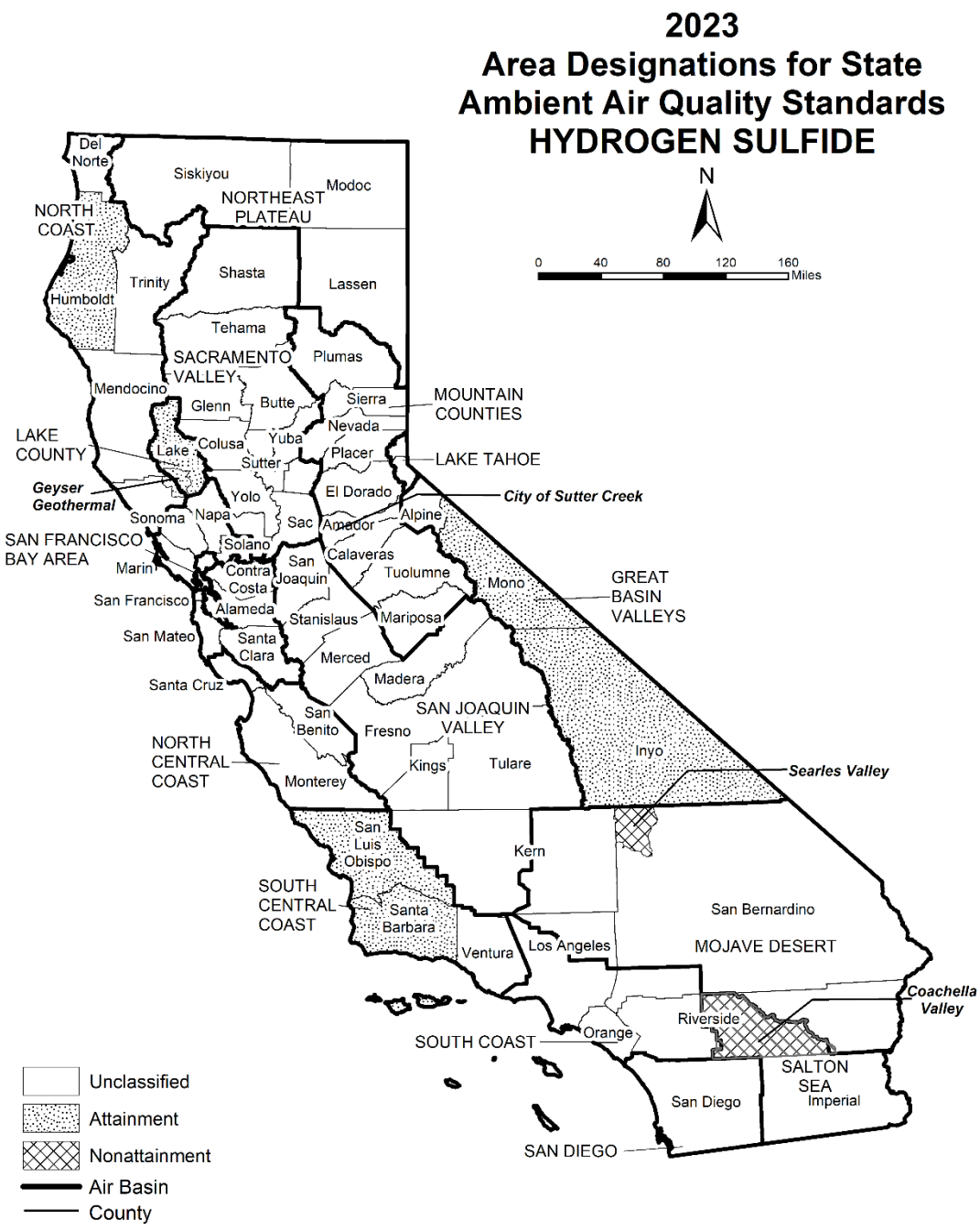
Table 8
California Ambient Air Quality Standards Area Designations for Lead (particulate)*

Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN			A
LAKE COUNTY AIR BASIN			A
LAKE TAHOE AIR BASIN			A
MOJAVE DESERT AIR BASIN			A
MOUNTAIN COUNTIES AIR BASIN			A
NORTH CENTRAL COAST AIR BASIN			A
NORTH COAST AIR BASIN			A
NORTHEAST PLATEAU AIR BASIN			A
SACRAMENTO VALLEY AIR BASIN			A

Area	N	U	A
SALTON SEA AIR BASIN			A
SAN DIEGO AIR BASIN			A
SAN FRANCISCO BAY AREA AIR BASIN			A
SAN JOAQUIN VALLEY AIR BASIN			A
SOUTH CENTRAL COAST AIR BASIN			A
SOUTH COAST AIR BASIN			A

* 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



Last Updated: November 2023
Air Quality Planning and Science Division, CARB

Table 9
California Ambient Air Quality Standards Area Designations for Hydrogen Sulfide*

Area	N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN				
Alpine County			U	
Inyo County				A
Mono County				A
LAKE COUNTY AIR BASIN				A
LAKE TAHOE AIR BASIN			U	
MOJAVE DESERT AIR BASIN				
Kern County (portion)			U	
Los Angeles County (portion)			U	
Riverside County (portion)			U	
San Bernardino County (portion)				
- Searles Valley Planning Area[1]	N			
- Remainder of County			U	
MOUNTAIN COUNTIES AIR BASIN				
Amador County				
- City of Sutter Creek	N			
- Remainder of County			U	
Calaveras County			U	
El Dorado County (portion)			U	
Mariposa County			U	
Nevada County			U	
Placer County (portion)			U	
Plumas County			U	
Sierra County			U	
Tuolumne County			U	

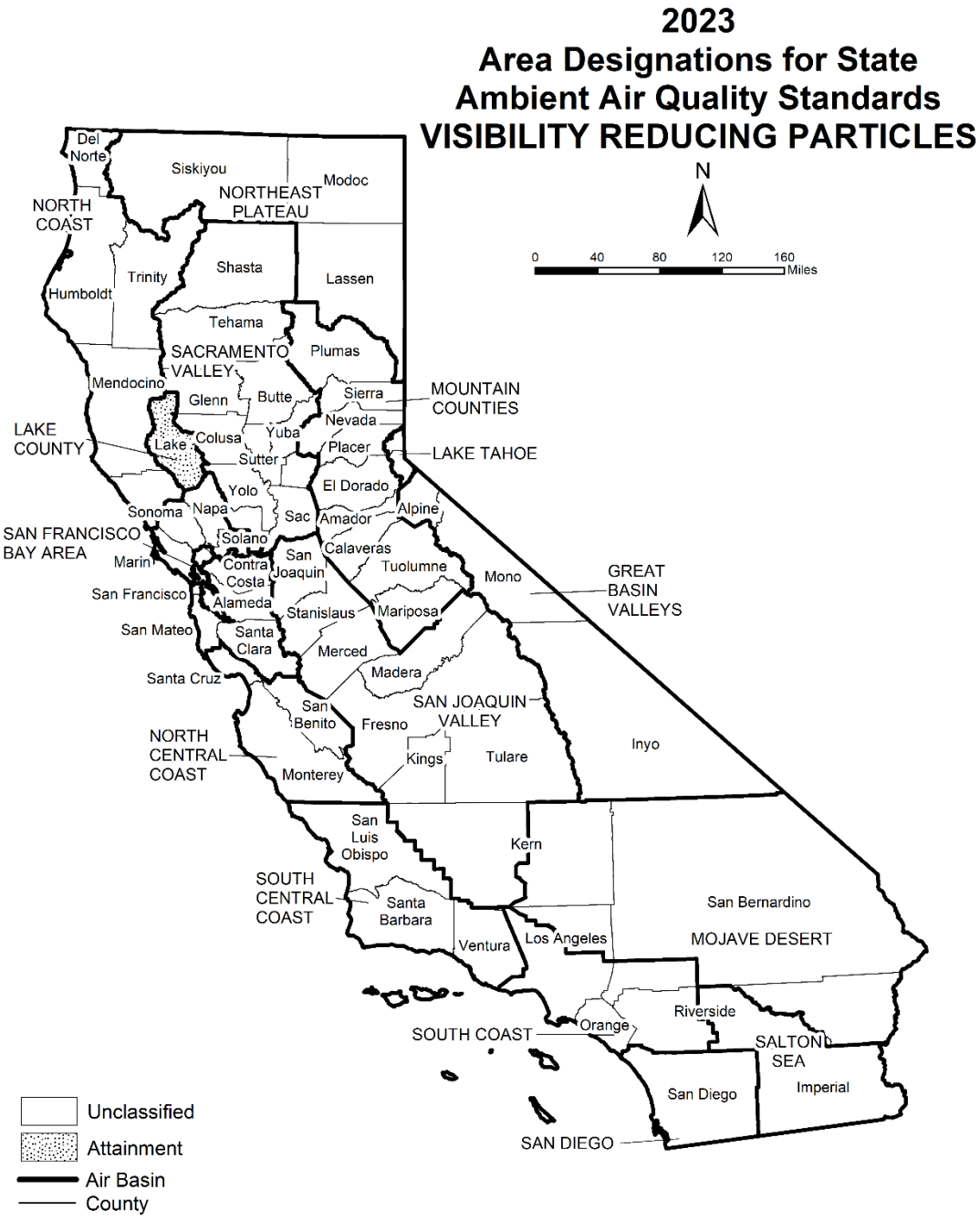
Area	N	NA-T	U	A
NORTH CENTRAL COAST AIR BASIN			U	
NORTH COAST AIR BASIN				
Del Norte County			U	
Humboldt County				A
Mendocino County			U	
Sonoma County (portion)				
- Geyser Geothermal Area[2]				A
- Remainder of County			U	
Trinity County			U	
NORTHEAST PLATEAU AIR BASIN			U	
SACRAMENTO VALLEY AIR BASIN			U	
SALTON SEA AIR BASIN				
Riverside County (portion)	N			
Imperial County			U	
SAN DIEGO AIR BASIN			U	
SAN FRANCISCO BAY AREA AIR BASIN			U	
SAN JOAQUIN VALLEY AIR BASIN			U	
SOUTH CENTRAL COAST AIR BASIN				
San Luis Obispo County				A
Santa Barbara County				A
Ventura County			U	
SOUTH COAST AIR BASIN			U	

* 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



Last Updated: November 2023
Air Quality Planning and Science Division, CARB

Table 10
California Ambient Air Quality Standards Area Designations for Visibility Reducing Particles

Area	N	NA-T	U	A
GREAT BASIN VALLEYS AIR BASIN			U	
LAKE COUNTY AIR BASIN				A
LAKE TAHOE AIR BASIN			U	
MOJAVE DESERT AIR BASIN			U	
MOUNTAIN COUNTIES AIR BASIN			U	
NORTH CENTRAL COAST AIR BASIN			U	
NORTH COAST AIR BASIN			U	
NORTHEAST PLATEAU AIR BASIN			U	

Area	N	NA-T	U	A
SACRAMENTO VALLEY AIR BASIN			U	
SALTON SEA AIR BASIN			U	
SAN DIEGO AIR BASIN			U	
SAN FRANCISCO BAY AREA AIR BASIN			U	
SAN JOAQUIN VALLEY AIR BASIN			U	
SOUTH CENTRAL COAST AIR BASIN			U	
SOUTH COAST AIR BASIN			U	

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 (A)
- Nonattainment (N)
- Unclassifiable (U)

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 (N)
- Unclassifiable/Attainment (U/A)

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. Area designations were finalized on August 3, 2018.

On December 14, 2012, the U.S. EPA established a new national annual primary $PM_{2.5}$ standard of 12.0 µg/m^3. Area designations were finalized in December 2014. The current designation map reflects the most recently revised (2012) annual average standard of 12.0 µg/m^3 as well as the 24-hour standard of 35 µg/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 (N),
- Unclassifiable (U), and
- Unclassifiable/Attainment (U/A).

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

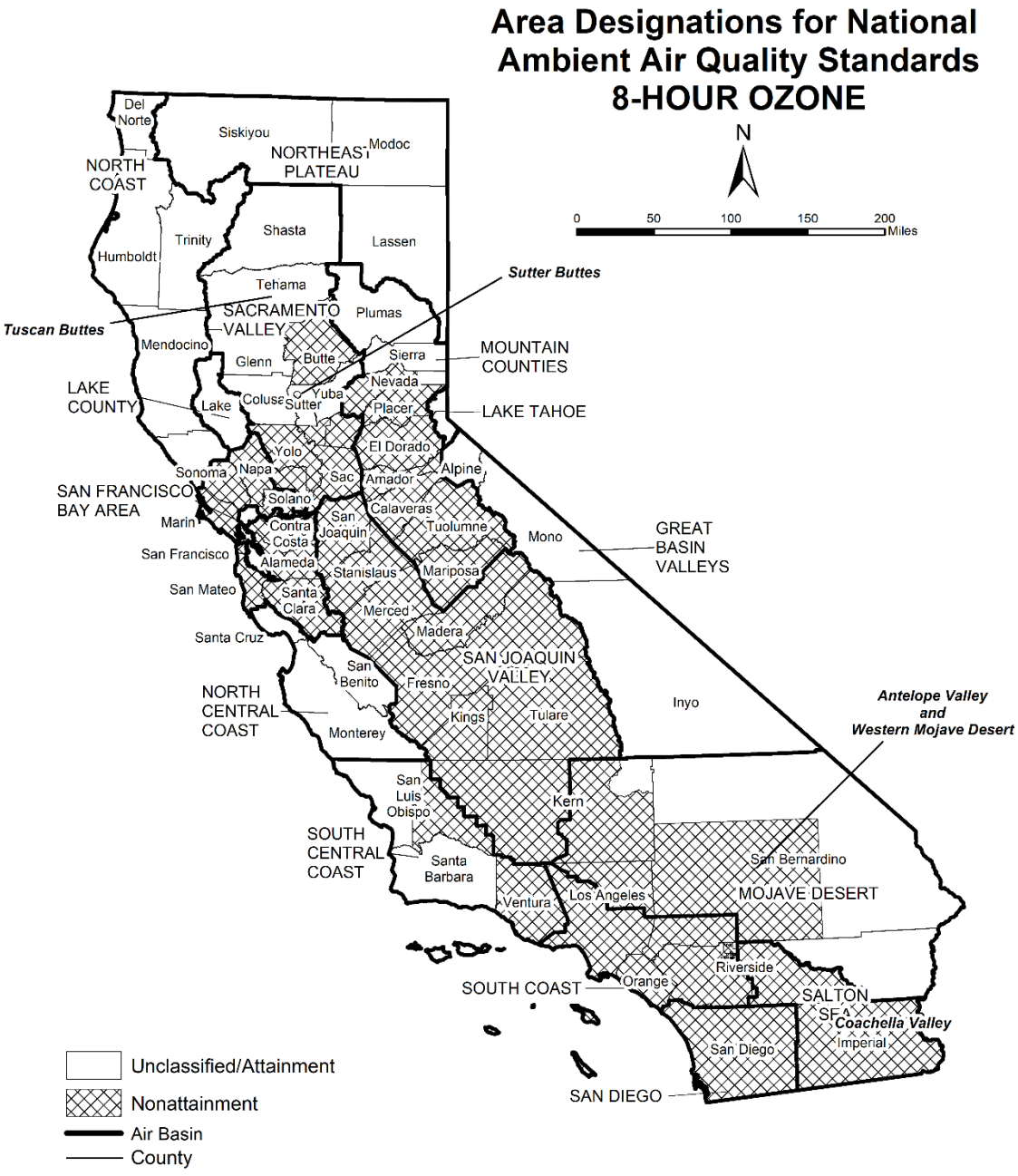

Area Designations for National Ambient Air Quality Standards
8-HOUR OZONE
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
Sutter Buttes
Tuscan Buttes
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Lake
Colusa
Yuba
Sutter
Placer
LAKE TAHOE
Yolo
El Dorado
Sonoma
Napa
Sac
Amador
Alpine
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
Contra Costa
San Joaquin
Tuolumne
Mono
GREAT BASIN VALLEYS
San Francisco
Alameda
Stanislaus
Mariposa
San Mateo
Santa Clara
Merced
Madera
Santa Cruz
SAN JOAQUIN VALLEY
San Benito
Fresno
NORTH CENTRAL COAST
Kings
Tulare
Inyo
Antelope Valley and Western Mojave Desert
Monterey
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
San Bernardino
Ventura
Los Angeles
MOJAVE DESERT
Riverside
SOUTH COAST
Orange
SALTON SEA
Coachella Valley
Imperial
San Diego
SAN DIEGO
Unclassified/Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Map reflects the 2015 8-hour ozone standard of 0.070 ppm
Air Quality Planning and Science Division, CARB

Table 11
National Ambient Air Quality Standards Area Designations for 8-Hour Ozone*

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		
Amador County	N	
Calaveras County	N	
El Dorado County (portion)[1]	N	
Mariposa County	N	
Nevada County		
- Western Nevada County	N	
- Remainder of County		U/A
Placer County (portion)[1]	N	
Plumas County		U/A
Sierra County		U/A
Tuolumne County	N	
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A
SACRAMENTO VALLEY AIR BASIN		
Butte County	N	
Colusa County		U/A
Glenn County		U/A
Sacramento Metro Area[1]	N	
Shasta County		U/A
Sutter County		
- Sutter Buttes	N	
- Southern portion of Sutter County[1]	N	
- Remainder of Sutter County		U/A
Tehama County		
- Tuscan Buttes	N	
- Remainder of Tehama County		U/A

Area	N	U/A
SACRAMENTO VALLEY AIR BASIN (cont.)		
Yolo County[1]	N	
Yuba County		U/A
SAN DIEGO COUNTY	N	
SAN FRANCISCO BAY AREA AIR BASIN	N	
SAN JOAQUIN VALLEY AIR BASIN	N	
SOUTH CENTRAL COAST AIR BASIN[2]		
San Luis Obispo County		
- Eastern San Luis Obispo County	N	
- Remainder of County		U/A
Santa Barbara County		U/A
Ventura County		
- Area excluding Anacapa and San Nicolas Islands	N	
- Channel Islands[2]		U/A
SOUTH COAST AIR BASIN[2]	N	
SOUTHEAST DESERT AIR BASIN		
Kern County (portion)	N	
- Indian Wells Valley		U/A
Imperial County	N	
Los Angeles County (portion)	N	
Riverside County (portion)		
- Coachella Valley	N	
- Non-AQMA portion		U/A
San Bernardino County		
- Western portion (AQMA)	N	
- Eastern portion (non-AQMA)		U/A

* 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] 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.

[2] 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.

Figure 12

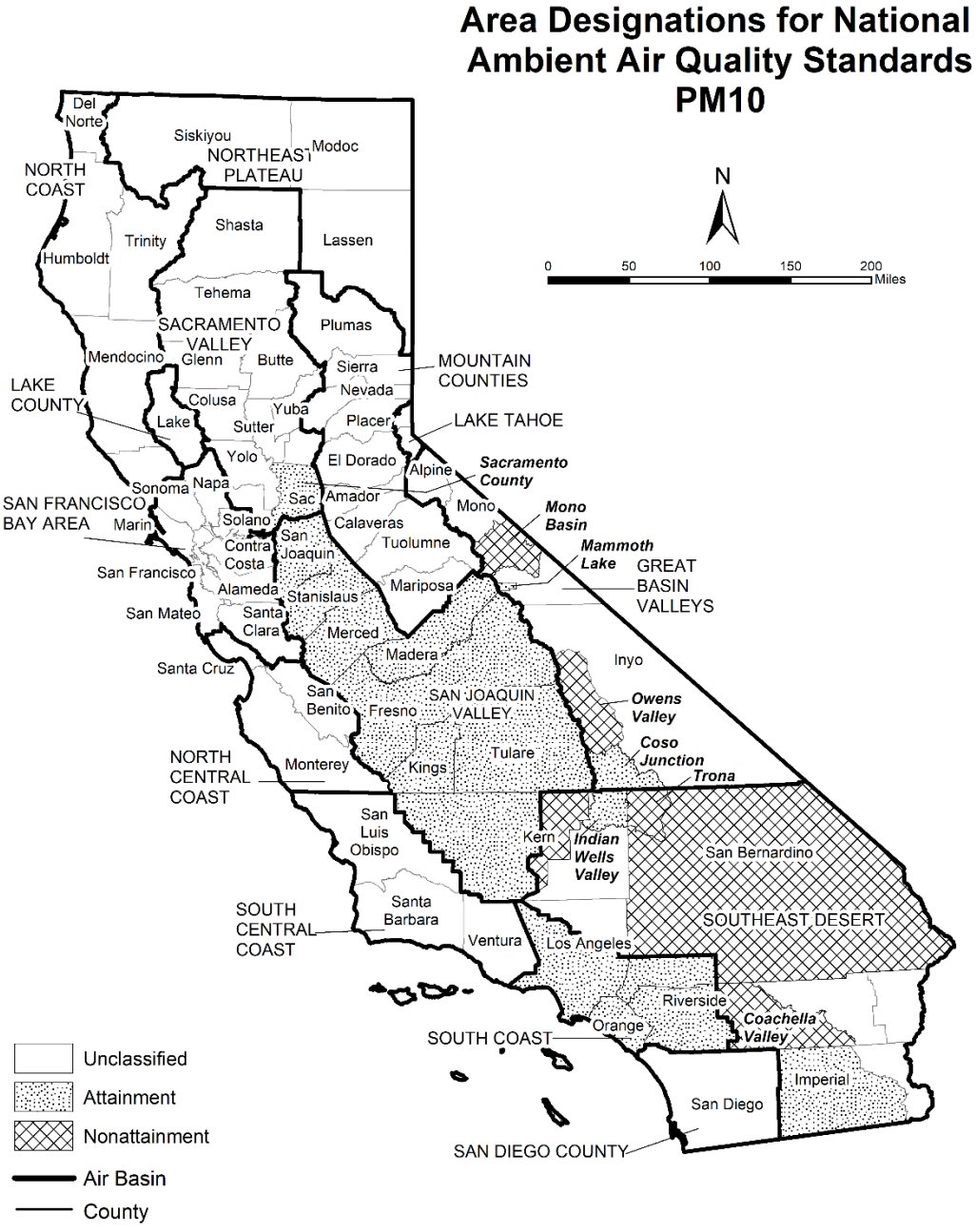

Area Designations for National Ambient Air Quality Standards PM10
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Shasta
Trinity
Lassen
Humboldt
Tehema
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
LAKE COUNTY
Colusa
Yuba
Lake
Sutter
Placer
LAKE TAHOE
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
Last Updated: November 2023
Air Quality Planning and Science Division

Table 12
National Ambient Air Quality Standards Area Designations for Suspended Particulate Matter (PM_{10})*

Area	N	U	A
GREAT BASIN VALLEYS AIR BASIN			
Alpine County		U	
Inyo County			
- Owens Valley Planning Area	N		
- Coso Junction			A
- Remainder of County		U	
Mono County			
- Mammoth Lake Planning Area			A
- Mono Lake Basin	N		
- Remainder of County		U	
LAKE COUNTY AIR BASIN		U	
LAKE TAHOE AIR BASIN		U	
MOUNTAIN COUNTIES AIR BASIN		U	
NORTH CENTRAL COAST AIR BASIN		U	
NORTH COAST AIR BASIN		U	
NORTHEAST PLATEAU AIR BASIN		U	
SACRAMENTO VALLEY AIR BASIN			
Sacramento County[1]			A
Remainder of Air Basin		U	
SAN DIEGO COUNTY		U	

Area	N	U	A
SAN FRANCISCO BAY AREA AIR BASIN		U	
SAN JOAQUIN VALLEY AIR BASIN			A
SOUTH CENTRAL COAST AIR BASIN		U	
SOUTH COAST AIR BASIN			A
SOUTHEAST DESERT AIR BASIN			
Eastern Kern County			
- Indian Wells Valley			A
- Portion within San Joaquin Valley Planning Area	N		
- Remainder of County		U	
Imperial County			
- Imperial Valley Planning Area[2]			A
- Remainder of County		U	
Los Angeles County (portion)		U	
Riverside County (portion)			
- Coachella Valley	N		
- Non-AQMA portion		U	
San Bernardino County			
- Trona	N		
- Remainder of County	N		

* 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 PM_{10} standards. The request for redesignation to attainment was approved by U.S. EPA in September 2013.

[2] The request for redesignation to attainment for the Imperial Valley Planning Area was approved by U.S. EPA in September 2020, effective October 2020.

Figure 13

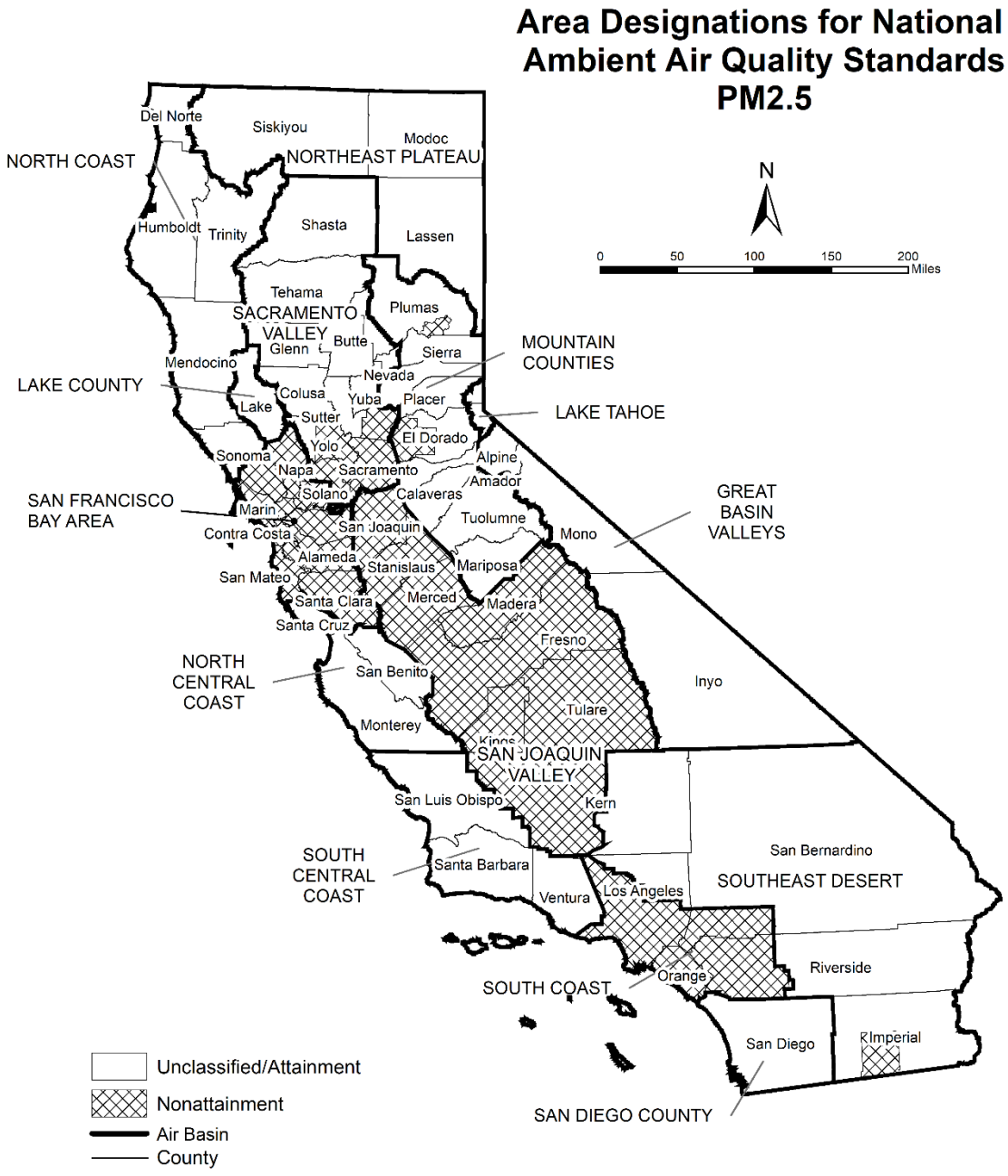

Area Designations for National Ambient Air Quality Standards PM2.5
N
0 50 100 150 200 Miles
NORTH COAST
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
Humboldt
Trinity
Shasta
Lassen
Tehama
SACRAMENTO VALLEY
Plumas
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Mendocino
Nevada
LAKE COUNTY
Colusa
Yuba
Placer
Lake
Sutter
LAKE TAHOE
El Dorado
Yolo
Sonoma
Alpine
Napa
Sacramento
Amador
SAN FRANCISCO BAY AREA
Solano
Calaveras
GREAT BASIN VALLEYS
Marin
Tuolumne
Contra Costa
San Joaquin
Mono
Alameda
Stanislaus
Mariposa
San Mateo
Merced
Santa Clara
Madera
Santa Cruz
Fresno
NORTH CENTRAL COAST
San Benito
Inyo
Tulare
Monterey
Kings
SAN JOAQUIN VALLEY
San Luis Obispo
Kern
San Bernardino
SOUTH CENTRAL COAST
Santa Barbara
SOUTHEAST DESERT
Ventura
Los Angeles
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Nonattainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

Table 13
National Ambient Air Quality Standards Area Designations for Fine Particulate Matter ($PM_{2.5}$)

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		
Plumas County		
- Portola Valley Portion of Plumas County	N	
- Remainder of Plumas County		U/A
Remainder of Air Basin		U/A
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A
SACRAMENTO VALLEY AIR BASIN		
Sacramento Metro Area[1]	N	
Remainder of Air Basin		U/A

Area	N	U/A
SAN DIEGO COUNTY		U/A
SAN FRANCISCO BAY AREA AIR BASIN[2]	N	
SAN JOAQUIN VALLEY AIR BASIN	N	
SOUTH CENTRAL COAST AIR BASIN		U/A
SOUTH COAST AIR BASIN[3]	N	
SOUTHEAST DESERT AIR BASIN		
Imperial County (portion)[4]	N	
Remainder of Air Basin		U/A

* Definitions and references for all areas can be found in 40 CFR, Chapter I, Part 81.305. This map reflects the 2006 24-hour $PM_{2.5}$ standard as well as the 1997 and 2012 $PM_{2.5}$ 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 $PM_{2.5}$ standards. A Determination of Attainment for the 2006 24-hour $PM_{2.5}$ standard was made by U.S. EPA in June 2017.

[2] Air quality in this area meets the national $PM_{2.5}$ standards. A Determination of Attainment for the 2006 24-hour $PM_{2.5}$ 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 $PM_{2.5}$ standards. A Determination of Attainment for the 2006 24-hour $PM_{2.5}$ standard was made by U.S. EPA in June 2017.

Figure 14



Last Updated: November 2023
Air Quality Planning and Science Division

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

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		U/A
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A

Area	N	U/A
SACRAMENTO VALLEY AIR BASIN		U/A
SAN DIEGO COUNTY		U/A
SAN FRANCISCO BAY AREA AIR BASIN		U/A
SAN JOAQUIN VALLEY AIR BASIN		U/A
SOUTH CENTRAL COAST AIR BASIN		U/A
SOUTH COAST AIR BASIN		U/A
SOUTHEAST DESERT AIR BASIN		U/A

* 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 TAHOE
LAKE COUNTY
Lake
Sutter
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
Inyo
Tulare
Monterey
Kings
San Luis Obispo
Kern
SOUTH CENTRAL COAST
Santa Barbara
SOUTHEAST DESERT
Ventura
Los Angeles
San Bernardino
Riverside
Orange
SOUTH COAST
San Diego
Imperial
SAN DIEGO COUNTY
Unclassified/Attainment
Air Basin
County
Last Updated: November 2023
Air Quality Planning and Science Division

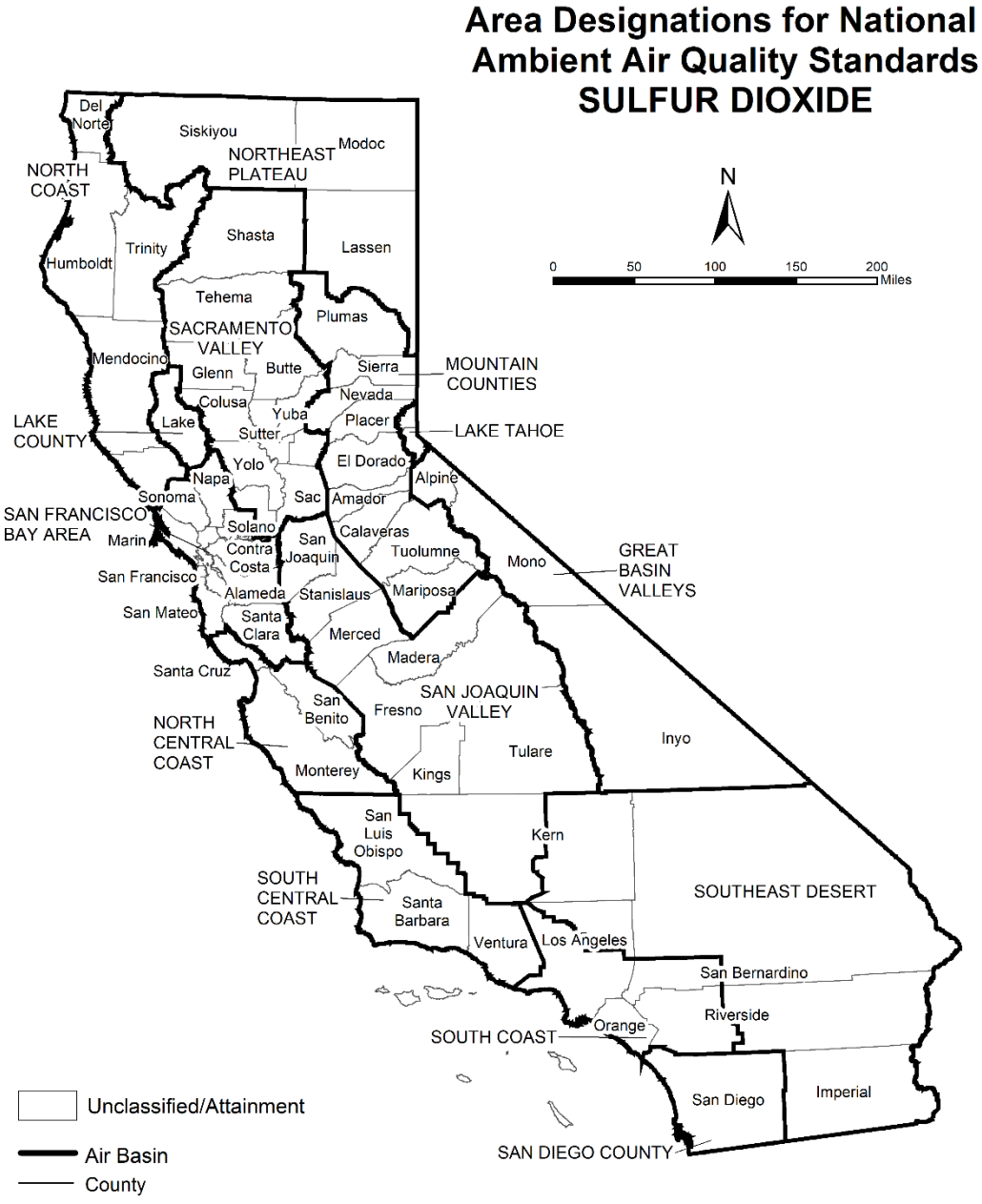
Table 15
National Ambient Air Quality Standards Area Designations for Nitrogen Dioxide*

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		U/A
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A

Area	N	U/A
SACRAMENTO VALLEY AIR BASIN		U/A
SAN DIEGO COUNTY		U/A
SAN FRANCISCO BAY AREA AIR BASIN		U/A
SAN JOAQUIN VALLEY AIR BASIN		U/A
SOUTH CENTRAL COAST AIR BASIN		U/A
SOUTH COAST AIR BASIN		U/A
SOUTHEAST DESERT AIR BASIN		U/A

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

Figure 16



Last Updated: November 2023
Air Quality Planning and Science Division

Table 16
National Ambient Air Quality Standards Area Designations for Sulfur Dioxide*

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		U/A
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A
SACRAMENTO VALLEY AIR BASIN		U/A
SAN DIEGO COUNTY		U/A
SAN FRANCISCO BAY AREA AIR BASIN		U/A
SAN JOAQUIN VALLEY AIR BASIN		U/A
SOUTH CENTRAL COAST AIR BASIN[1]		U/A
SOUTH COAST AIR BASIN		U/A
SOUTHEAST DESERT AIR BASIN		U/A

* 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

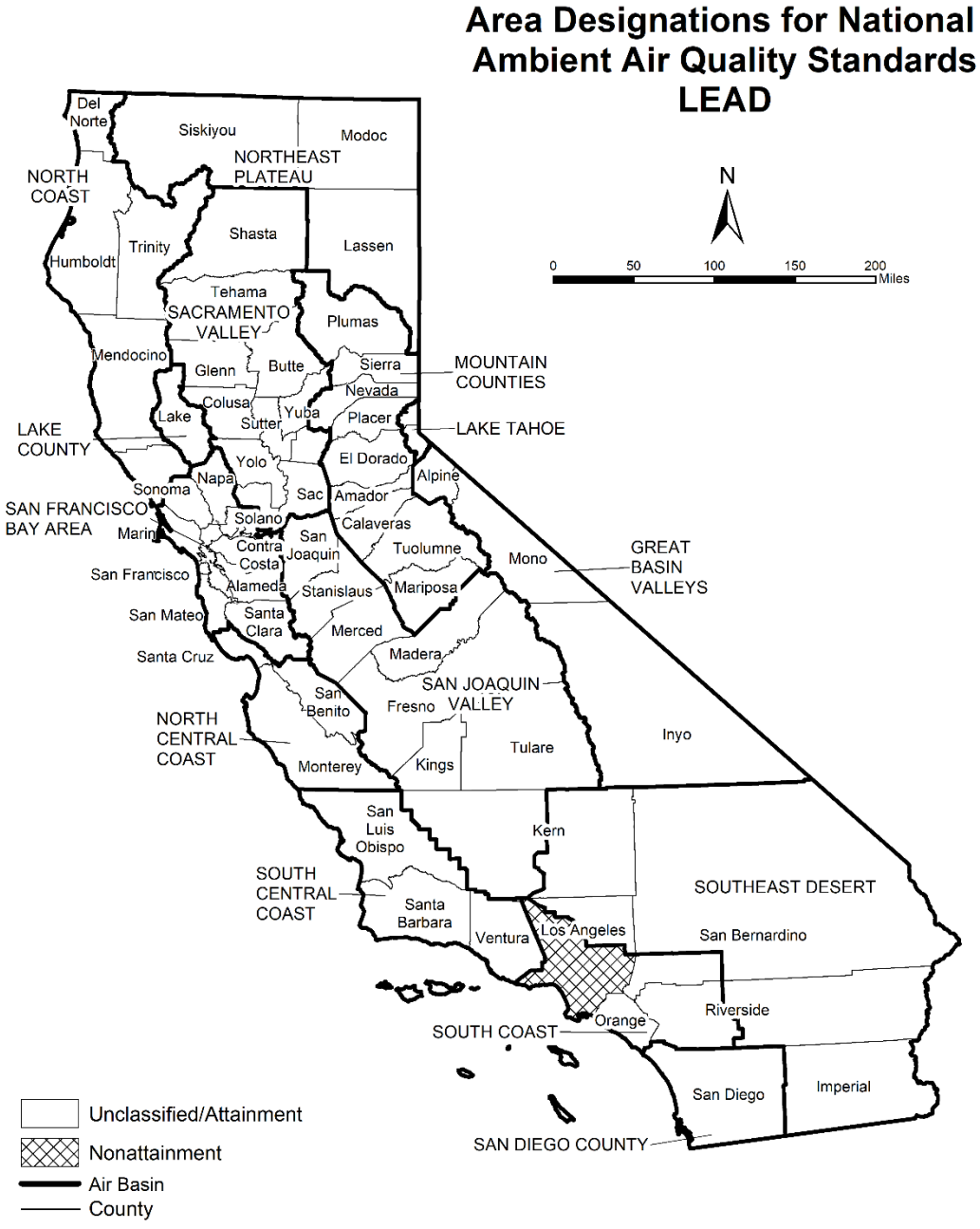

Area Designations for National Ambient Air Quality Standards
LEAD
N
0 50 100 150 200 Miles
Del Norte
Siskiyou
Modoc
NORTHEAST PLATEAU
NORTH COAST
Trinity
Shasta
Lassen
Humboldt
Tehama
SACRAMENTO VALLEY
Plumas
Mendocino
Glenn
Butte
Sierra
MOUNTAIN COUNTIES
Nevada
Colusa
Yuba
Placer
Lake
Sutter
LAKE TAHOE
LAKE COUNTY
Yolo
El Dorado
Napa
Alpine
Sonoma
Sac
Amador
SAN FRANCISCO BAY AREA
Solano
Calaveras
Marin
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
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
Last Updated: November 2023
Air Quality Planning and Science Division

Table 17
National Ambient Air Quality Standards Area Designations for Lead (particulate)

Area	N	U/A
GREAT BASIN VALLEYS AIR BASIN		U/A
LAKE COUNTY AIR BASIN		U/A
LAKE TAHOE AIR BASIN		U/A
MOUNTAIN COUNTIES AIR BASIN		U/A
NORTH CENTRAL COAST AIR BASIN		U/A
NORTH COAST AIR BASIN		U/A
NORTHEAST PLATEAU AIR BASIN		U/A
SACRAMENTO VALLEY AIR BASIN		U/A

Area	N	U/A
SAN DIEGO COUNTY		U/A
SAN FRANCISCO BAY AREA AIR BASIN		U/A
SAN JOAQUIN VALLEY AIR BASIN		U/A
SOUTH CENTRAL COAST AIR BASIN		U/A
SOUTH COAST AIR BASIN		
Los Angeles County (portion)[1]	N	
Remainder of Air Basin		U/A
SOUTHEAST DESERT AIR BASIN		U/A

[1] Portion of County in Air Basin, not including Channel Islands

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APPENDIX 3.1:

CALEEMOD EMISSIONS MODEL OUTPUTS – CAT 777 EMISSIONS REDUCTION

14324 Existing Detailed Report

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5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

6. Climate Risk Detailed Report

6.1. Climate Risk Summary

6.2. Initial Climate Risk Scores

6.3. Adjusted Climate Risk Scores

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

7.2. Healthy Places Index Scores

7.3. Overall Health & Equity Scores

7.4. Health & Equity Measures

7.5. Evaluation Scorecard

7.6. Health & Equity Custom Measures

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14324 Existing
Operational Year	2022
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.20
Precipitation (days)	8.40
Location	34.13796363906194, -117.35139119269223
County	San Bernardino-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5317
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.25

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
User Defined Commercial	1.00	User Defined Unit	0.00	0.00	0.00	0.00	—	—

User Defined Industrial	1.00	User Defined Unit	0.00	0.00	0.00	0.00	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

No measures selected

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.71	0.71	29.8	20.4	0.04	0.71	0.00	0.71	0.63	0.00	0.63	0.00	4,161	4,161	0.17	0.03	0.00	4,175
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.71	0.71	29.8	20.4	0.04	0.71	0.00	0.71	0.63	0.00	0.63	0.00	4,161	4,161	0.17	0.03	0.00	4,175
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.50	0.50	21.2	14.6	0.03	0.50	0.00	0.50	0.45	0.00	0.45	0.00	2,964	2,964	0.12	0.02	0.00	2,974
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.09	0.09	3.87	2.66	< 0.005	0.09	0.00	0.09	0.08	0.00	0.08	0.00	491	491	0.02	< 0.005	0.00	492

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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Off-Road	0.71	0.71	29.8	20.4	0.04	0.71	—	0.71	0.63	—	0.63	—	4,161	4,161	0.17	0.03	—	4,175
Total	0.71	0.71	29.8	20.4	0.04	0.71	0.00	0.71	0.63	0.00	0.63	0.00	4,161	4,161	0.17	0.03	0.00	4,175
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Off-Road	0.71	0.71	29.8	20.4	0.04	0.71	—	0.71	0.63	—	0.63	—	4,161	4,161	0.17	0.03	—	4,175
Total	0.71	0.71	29.8	20.4	0.04	0.71	0.00	0.71	0.63	0.00	0.63	0.00	4,161	4,161	0.17	0.03	0.00	4,175
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Off-Road	0.50	0.50	21.2	14.6	0.03	0.50	—	0.50	0.45	—	0.45	—	2,964	2,964	0.12	0.02	—	2,974
Total	0.50	0.50	21.2	14.6	0.03	0.50	0.00	0.50	0.45	0.00	0.45	0.00	2,964	2,964	0.12	0.02	0.00	2,974

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Area	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Water	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Waste	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Off-Road	0.09	0.09	3.87	2.66	< 0.005	0.09	—	0.09	0.08	—	0.08	—	491	491	0.02	< 0.005	—	492
Total	0.09	0.09	3.87	2.66	< 0.005	0.09	0.00	0.09	0.08	0.00	0.08	0.00	491	491	0.02	< 0.005	0.00	492

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	0.00	0.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

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

User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
User Defined Commercial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

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

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Highway Trucks	0.71	0.71	29.8	20.4	0.04	0.71	—	0.71	0.63	—	0.63	—	4,161	4,161	0.17	0.03	—	4,175
Total	0.71	0.71	29.8	20.4	0.04	0.71	—	0.71	0.63	—	0.63	—	4,161	4,161	0.17	0.03	—	4,175
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Highway Trucks	0.71	0.71	29.8	20.4	0.04	0.71	—	0.71	0.63	—	0.63	—	4,161	4,161	0.17	0.03	—	4,175
Total	0.71	0.71	29.8	20.4	0.04	0.71	—	0.71	0.63	—	0.63	—	4,161	4,161	0.17	0.03	—	4,175
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-High Trucks	0.09	0.09	3.87	2.66	< 0.005	0.09	—	0.09	0.08	—	0.08	—	491	491	0.02	< 0.005	—	492
Total	0.09	0.09	3.87	2.66	< 0.005	0.09	—	0.09	0.08	—	0.08	—	491	491	0.02	< 0.005	—	492

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequest ered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Remove d	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
User Defined Commercial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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	0.00	0.00	—

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)
User Defined Commercial	0.00	349	0.0330	0.0040	0.00
User Defined Industrial	0.00	349	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
User Defined Commercial	0.00	0.00

User Defined Industrial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
User Defined Commercial	0.00	—
User Defined Industrial	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

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
Off-Highway Trucks	Diesel	Tier 2	1.00	10.0	938	0.38

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	27.6	annual days of extreme heat
Extreme Precipitation	6.20	annual days with precipitation above 20 mm
Sea Level Rise	0.00	meters of inundation depth
Wildfire	14.7	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

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

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

The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	99.1
AQ-PM	60.9
AQ-DPM	67.4

Drinking Water	96.3
Lead Risk Housing	8.87
Pesticides	0.00
Toxic Releases	58.6
Traffic	72.8
Effect Indicators	—
CleanUp Sites	94.1
Groundwater	68.6
Haz Waste Facilities/Generators	63.6
Impaired Water Bodies	0.00
Solid Waste	75.7
Sensitive Population	—
Asthma	56.5
Cardio-vascular	74.7
Low Birth Weights	44.5
Socioeconomic Factor Indicators	—
Education	61.1
Housing	0.94
Linguistic	36.0
Poverty	19.4
Unemployment	83.2

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	84.02412421

Employed	1.591171564
Median HI	—
Education	—
Bachelor's or higher	28.85923264
High school enrollment	17.31040678
Preschool enrollment	36.78942641
Transportation	—
Auto Access	72.44963429
Active commuting	7.917361735
Social	—
2-parent households	44.74528423
Voting	49.54446298
Neighborhood	—
Alcohol availability	75.52932119
Park access	7.04478378
Retail density	9.457205184
Supermarket access	35.77569614
Tree canopy	15.46259464
Housing	—
Homeownership	91.76183755
Housing habitability	92.04414218
Low-inc homeowner severe housing cost burden	90.09367381
Low-inc renter severe housing cost burden	81.05992557
Uncrowded housing	69.47260362
Health Outcomes	—
Insured adults	52.11086873
Arthritis	41.4

Asthma ER Admissions	28.5
High Blood Pressure	35.9
Cancer (excluding skin)	49.7
Asthma	32.2
Coronary Heart Disease	57.7
Chronic Obstructive Pulmonary Disease	56.7
Diagnosed Diabetes	36.9
Life Expectancy at Birth	29.0
Cognitively Disabled	60.3
Physically Disabled	57.4
Heart Attack ER Admissions	27.5
Mental Health Not Good	47.3
Chronic Kidney Disease	45.1
Obesity	33.5
Pedestrian Injuries	91.8
Physical Health Not Good	49.9
Stroke	39.4
Health Risk Behaviors	—
Binge Drinking	26.9
Current Smoker	51.2
No Leisure Time for Physical Activity	54.9
Climate Change Exposures	—
Wildfire Risk	45.4
SLR Inundation Area	0.0
Children	40.5
Elderly	74.7
English Speaking	78.9

Foreign-born	23.9
Outdoor Workers	16.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	79.3
Traffic Density	68.0
Traffic Access	23.0
Other Indices	—
Hardship	39.4
Other Decision Support	—
2016 Voting	59.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	70.0
Healthy Places Index Score for Project Location (b)	36.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
Project Located in a Low-Income Community (Assembly Bill 1550)	No
Project Located in a Community Air Protection Program Community (Assembly Bill 617)	San Bernardino Muscoy

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

7.4. Health & Equity Measures

No Health & Equity Measures selected.

7.5. Evaluation Scorecard

Health & Equity Evaluation Scorecard not completed.

7.6. Health & Equity Custom Measures

No Health & Equity Custom Measures created.

8. User Changes to Default Data

Screen	Justification
Land Use	User defined industrial
Operations: Vehicle Data	On-site equipment only.
Operations: Fleet Mix	Fleet mix based on Project trip generation assessment
Operations: Off-Road Equipment	Based on provided equipment list

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APPENDIX 4.1:

CALEEMOD EMISSIONS MODEL OUTPUTS – CONSTRUCTION

14324 Pepper 210 Construction Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14324 Pepper 210 Construction
Construction Start Date	10/1/2027
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	6.80
Location	34.13945093875435, -117.36185557994253
County	San Bernardino-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5317
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	1,868	1000sqft	42.9	1,867,660	963,829	—	—	—

General Office Building	2.10	1000sqft	0.05	2,100	0.00	—	—	—
Parking Lot	2,210	1000sqft	50.7	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-13	Use Low-VOC Paints for Construction

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.	9.40	142	93.7	179	0.35	0.89	14.2	15.1	0.83	3.74	4.49	—	39,749	39,749	1.81	1.38	43.4	40,144
Mit.	9.40	67.9	93.7	179	0.35	0.89	14.2	15.1	0.83	3.74	4.49	—	39,749	39,749	1.81	1.38	43.4	40,144
% Reduced	—	52%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	9.20	142	94.2	178	0.35	0.89	14.2	15.1	0.83	3.74	4.52	—	39,822	39,822	1.85	1.38	1.12	40,212
Mit.	9.20	67.3	94.2	178	0.35	0.89	14.2	15.1	0.83	3.74	4.52	—	39,822	39,822	1.85	1.38	1.12	40,212
% Reduced	—	52%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unmit.	4.36	28.2	49.9	97.7	0.16	0.53	8.38	8.91	0.49	2.27	2.77	—	21,955	21,955	0.89	0.79	8.53	22,223
Mit.	4.36	13.9	49.9	97.7	0.16	0.53	8.38	8.91	0.49	2.27	2.77	—	21,955	21,955	0.89	0.79	8.53	22,223
% Reduced	—	51%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	0.80	5.14	9.11	17.8	0.03	0.10	1.53	1.63	0.09	0.41	0.50	—	3,635	3,635	0.15	0.13	1.41	3,679
Mit.	0.80	2.54	9.11	17.8	0.03	0.10	1.53	1.63	0.09	0.41	0.50	—	3,635	3,635	0.15	0.13	1.41	3,679
% Reduced	—	51%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	7.08	6.29	93.7	179	0.35	0.78	12.0	12.8	0.75	3.74	4.49	—	39,749	39,749	1.81	1.13	39.0	40,144
2029	9.40	142	66.7	144	0.18	0.89	14.2	15.1	0.83	3.39	4.23	—	30,708	30,708	1.00	1.38	43.4	31,188
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	5.13	4.54	94.2	178	0.35	0.79	12.0	12.8	0.78	3.74	4.52	—	39,822	39,822	1.85	1.15	0.37	40,212
2028	6.92	6.11	93.9	178	0.35	0.78	12.0	12.8	0.75	3.74	4.49	—	39,680	39,680	1.81	1.13	1.01	40,063
2029	9.20	142	67.4	130	0.18	0.89	14.2	15.1	0.83	3.39	4.23	—	29,685	29,685	1.03	1.38	1.12	30,123
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.65	0.57	11.5	21.6	0.04	0.10	1.70	1.80	0.10	0.60	0.70	—	4,746	4,746	0.22	0.13	0.73	4,791
2028	4.36	3.87	49.9	97.7	0.16	0.53	8.38	8.91	0.49	2.27	2.77	—	21,955	21,955	0.89	0.79	8.53	22,223
2029	2.84	28.2	21.4	42.1	0.06	0.28	4.53	4.81	0.26	1.08	1.35	—	9,593	9,593	0.33	0.45	6.03	9,741

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.12	0.10	2.10	3.94	0.01	0.02	0.31	0.33	0.02	0.11	0.13	—	786	786	0.04	0.02	0.12	793
2028	0.80	0.71	9.11	17.8	0.03	0.10	1.53	1.63	0.09	0.41	0.50	—	3,635	3,635	0.15	0.13	1.41	3,679
2029	0.52	5.14	3.90	7.68	0.01	0.05	0.83	0.88	0.05	0.20	0.25	—	1,588	1,588	0.05	0.07	1.00	1,613

2.3. Construction Emissions by Year, Mitigated

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2028	7.08	6.29	93.7	179	0.35	0.78	12.0	12.8	0.75	3.74	4.49	—	39,749	39,749	1.81	1.13	39.0	40,144
2029	9.40	67.9	66.7	144	0.18	0.89	14.2	15.1	0.83	3.39	4.23	—	30,708	30,708	1.00	1.38	43.4	31,188
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	5.13	4.54	94.2	178	0.35	0.79	12.0	12.8	0.78	3.74	4.52	—	39,822	39,822	1.85	1.15	0.37	40,212
2028	6.92	6.11	93.9	178	0.35	0.78	12.0	12.8	0.75	3.74	4.49	—	39,680	39,680	1.81	1.13	1.01	40,063
2029	9.20	67.3	67.4	130	0.18	0.89	14.2	15.1	0.83	3.39	4.23	—	29,685	29,685	1.03	1.38	1.12	30,123
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.65	0.57	11.5	21.6	0.04	0.10	1.70	1.80	0.10	0.60	0.70	—	4,746	4,746	0.22	0.13	0.73	4,791
2028	4.36	3.87	49.9	97.7	0.16	0.53	8.38	8.91	0.49	2.27	2.77	—	21,955	21,955	0.89	0.79	8.53	22,223
2029	2.84	13.9	21.4	42.1	0.06	0.28	4.53	4.81	0.26	1.08	1.35	—	9,593	9,593	0.33	0.45	6.03	9,741
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2027	0.12	0.10	2.10	3.94	0.01	0.02	0.31	0.33	0.02	0.11	0.13	—	786	786	0.04	0.02	0.12	793
2028	0.80	0.71	9.11	17.8	0.03	0.10	1.53	1.63	0.09	0.41	0.50	—	3,635	3,635	0.15	0.13	1.41	3,679
2029	0.52	2.54	3.90	7.68	0.01	0.05	0.83	0.88	0.05	0.20	0.25	—	1,588	1,588	0.05	0.07	1.00	1,613

3. Construction Emissions Details

3.1. Demolition (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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.84	0.75	10.6	18.3	0.03	0.15	—	0.15	0.14	—	0.14	—	3,427	3,427	0.14	0.03	—	3,439
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
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	0.07	0.06	0.87	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	—	282	282	0.01	< 0.005	—	283
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.16	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.6	46.6	< 0.005	< 0.005	—	46.8
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.76	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.04	0.01	0.53	0.28	< 0.005	0.01	0.14	0.14	0.01	0.04	0.05	—	477	477	0.03	0.07	0.03	499
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	0.02	15.7
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	39.2	39.2	< 0.005	0.01	0.04	41.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.57	2.57	< 0.005	< 0.005	< 0.005	2.60
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.48	6.48	< 0.005	< 0.005	0.01	6.79
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

3.2. Demolition (2027) - Mitigated

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

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

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.84	0.75	10.6	18.3	0.03	0.15	—	0.15	0.14	—	0.14	—	3,427	3,427	0.14	0.03	—	3,439
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
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	0.07	0.06	0.87	1.51	< 0.005	0.01	—	0.01	0.01	—	0.01	—	282	282	0.01	< 0.005	—	283
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.16	0.28	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	46.6	46.6	< 0.005	< 0.005	—	46.8
Demolition	—	—	—	—	—	—	0.00	0.00	—	0.00	0.00	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.06	0.76	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.04	0.01	0.53	0.28	< 0.005	0.01	0.14	0.14	0.01	0.04	0.05	—	477	477	0.03	0.07	0.03	499

Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.07	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	0.02	15.7
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	39.2	39.2	< 0.005	0.01	0.04	41.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.57	2.57	< 0.005	< 0.005	< 0.005	2.60
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.48	6.48	< 0.005	< 0.005	0.01	6.79
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.3. Site Preparation (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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.68	15.7	30.0	0.05	0.10	—	0.10	0.10	—	0.10	—	5,533	5,533	0.22	0.04	—	5,552
Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.06	0.06	1.29	2.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	455	455	0.02	< 0.005	—	456
Dust From Material Movement	—	—	—	—	—	—	0.47	0.47	—	0.22	0.22	—	—	—	—	—	—	—
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	0.24	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	75.3	75.3	< 0.005	< 0.005	—	75.5
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	0.88	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	220
Vendor	0.04	0.01	0.53	0.28	< 0.005	0.01	0.14	0.14	0.01	0.04	0.05	—	477	477	0.03	0.07	0.03	499
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18.1	18.1	< 0.005	< 0.005	0.03	18.3
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	39.2	39.2	< 0.005	0.01	0.04	41.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.00	3.00	< 0.005	< 0.005	< 0.005	3.03
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.48	6.48	< 0.005	< 0.005	0.01	6.79
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

3.4. Site Preparation (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.68	0.68	15.7	30.0	0.05	0.10	—	0.10	0.10	—	0.10	—	5,533	5,533	0.22	0.04	—	5,552
Dust From Material Movement	—	—	—	—	—	—	5.66	5.66	—	2.69	2.69	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	1.29	2.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	455	455	0.02	< 0.005	—	456
Dust From Material Movement	—	—	—	—	—	—	0.47	0.47	—	0.22	0.22	—	—	—	—	—	—	—
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	0.24	0.45	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	75.3	75.3	< 0.005	< 0.005	—	75.5
Dust From Material Movement	—	—	—	—	—	—	0.08	0.08	—	0.04	0.04	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.07	0.07	0.88	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	220
Vendor	0.04	0.01	0.53	0.28	< 0.005	0.01	0.14	0.14	0.01	0.04	0.05	—	477	477	0.03	0.07	0.03	499
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.08	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	18.1	18.1	< 0.005	< 0.005	0.03	18.3
Vendor	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	39.2	39.2	< 0.005	0.01	0.04	41.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.00	3.00	< 0.005	< 0.005	< 0.005	3.03
Vendor	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.48	6.48	< 0.005	< 0.005	0.01	6.79
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.5. Grading (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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.27	4.20	87.7	171	0.31	0.71	—	0.71	0.70	—	0.70	—	33,613	33,613	1.36	0.27	—	33,729
Dust From Material Movement	—	—	—	—	—	—	9.67	9.67	—	3.12	3.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.41	8.58	16.8	0.03	0.07	—	0.07	0.07	—	0.07	—	3,289	3,289	0.13	0.03	—	3,300
Dust From Material Movement	—	—	—	—	—	—	0.95	0.95	—	0.31	0.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	1.57	3.06	0.01	0.01	—	0.01	0.01	—	0.01	—	545	545	0.02	< 0.005	—	546
Dust From Material Movement	—	—	—	—	—	—	0.17	0.17	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.25	0.26	3.28	0.00	0.00	0.85	0.85	0.00	0.20	0.20	—	806	806	0.01	0.03	0.07	816
Vendor	0.22	0.05	2.60	1.37	0.02	0.04	0.68	0.71	0.04	0.19	0.22	—	2,353	2,353	0.17	0.35	0.15	2,462
Hauling	0.36	0.04	3.69	2.02	0.02	0.04	0.85	0.89	0.04	0.23	0.27	—	3,049	3,049	0.31	0.50	0.15	3,206
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.34	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	80.0	80.0	< 0.005	< 0.005	0.12	81.1
Vendor	0.02	< 0.005	0.25	0.13	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	230	230	0.02	0.03	0.24	241
Hauling	0.04	< 0.005	0.36	0.20	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	298	298	0.03	0.05	0.25	314
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.02	13.4
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38.1	38.1	< 0.005	0.01	0.04	39.9
Hauling	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	49.4	49.4	0.01	0.01	0.04	52.0

3.6. Grading (2027) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.27	4.20	87.7	171	0.31	0.71	—	0.71	0.70	—	0.70	—	33,613	33,613	1.36	0.27	—	33,729

Dust From Material Movement	—	—	—	—	—	—	9.67	9.67	—	3.12	3.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.42	0.41	8.58	16.8	0.03	0.07	—	0.07	0.07	—	0.07	—	3,289	3,289	0.13	0.03	—	3,300
Dust From Material Movement	—	—	—	—	—	—	0.95	0.95	—	0.31	0.31	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.08	1.57	3.06	0.01	0.01	—	0.01	0.01	—	0.01	—	545	545	0.02	< 0.005	—	546
Dust From Material Movement	—	—	—	—	—	—	0.17	0.17	—	0.06	0.06	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.28	0.25	0.26	3.28	0.00	0.00	0.85	0.85	0.00	0.20	0.20	—	806	806	0.01	0.03	0.07	816
Vendor	0.22	0.05	2.60	1.37	0.02	0.04	0.68	0.71	0.04	0.19	0.22	—	2,353	2,353	0.17	0.35	0.15	2,462
Hauling	0.36	0.04	3.69	2.02	0.02	0.04	0.85	0.89	0.04	0.23	0.27	—	3,049	3,049	0.31	0.50	0.15	3,206

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.03	0.34	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	80.0	80.0	< 0.005	< 0.005	0.12	81.1
Vendor	0.02	< 0.005	0.25	0.13	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	230	230	0.02	0.03	0.24	241
Hauling	0.04	< 0.005	0.36	0.20	< 0.005	< 0.005	0.08	0.09	< 0.005	0.02	0.03	—	298	298	0.03	0.05	0.25	314
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	< 0.005	0.01	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	13.2	13.2	< 0.005	< 0.005	0.02	13.4
Vendor	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	38.1	38.1	< 0.005	0.01	0.04	39.9
Hauling	0.01	< 0.005	0.07	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	49.4	49.4	0.01	0.01	0.04	52.0

3.7. Grading (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	4.26	4.19	87.7	171	0.31	0.70	—	0.70	0.70	—	0.70	—	33,611	33,611	1.36	0.27	—	33,726
Dust From Material Movement	—	—	—	—	—	—	9.67	9.67	—	3.12	3.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.26	4.19	87.7	171	0.31	0.70	—	0.70	0.70	—	0.70	—	33,611	33,611	1.36	0.27	—	33,726

Dust From Material Movement	—	—	—	—	—	—	9.67	9.67	—	3.12	3.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	1.31	27.4	53.7	0.10	0.22	—	0.22	0.22	—	0.22	—	10,524	10,524	0.43	0.09	—	10,560
Dust From Material Movement	—	—	—	—	—	—	3.03	3.03	—	0.98	0.98	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.24	5.01	9.79	0.02	0.04	—	0.04	0.04	—	0.04	—	1,742	1,742	0.07	0.01	—	1,748
Dust From Material Movement	—	—	—	—	—	—	0.55	0.55	—	0.18	0.18	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	0.22	4.04	0.00	0.00	0.85	0.85	0.00	0.20	0.20	—	862	862	0.01	0.03	2.48	874
Vendor	0.22	0.05	2.37	1.30	0.02	0.04	0.68	0.71	0.02	0.19	0.20	—	2,297	2,297	0.15	0.35	5.00	2,411
Hauling	0.34	0.05	3.41	1.95	0.02	0.04	0.85	0.89	0.04	0.23	0.27	—	2,978	2,978	0.29	0.48	5.35	3,133
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.25	0.24	0.23	3.03	0.00	0.00	0.85	0.85	0.00	0.20	0.20	—	791	791	0.01	0.03	0.06	801
Vendor	0.21	0.05	2.48	1.32	0.02	0.04	0.68	0.71	0.02	0.19	0.20	—	2,299	2,299	0.15	0.35	0.13	2,407
Hauling	0.33	0.04	3.56	1.96	0.02	0.04	0.85	0.89	0.04	0.23	0.27	—	2,979	2,979	0.29	0.48	0.14	3,129
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.08	1.01	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	251	251	< 0.005	0.01	0.34	255
Vendor	0.07	0.01	0.78	0.41	0.01	0.01	0.21	0.22	0.01	0.06	0.06	—	720	720	0.05	0.11	0.68	754
Hauling	0.11	0.01	1.12	0.61	0.01	0.01	0.27	0.28	0.01	0.07	0.09	—	933	933	0.09	0.15	0.72	980
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	41.6	41.6	< 0.005	< 0.005	0.06	42.1
Vendor	0.01	< 0.005	0.14	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	119	119	0.01	0.02	0.11	125
Hauling	0.02	< 0.005	0.20	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	154	154	0.01	0.02	0.12	162

3.8. Grading (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	4.26	4.19	87.7	171	0.31	0.70	—	0.70	0.70	—	0.70	—	33,611	33,611	1.36	0.27	—	33,726
Dust From Material Movement	—	—	—	—	—	—	9.67	9.67	—	3.12	3.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	4.26	4.19	87.7	171	0.31	0.70	—	0.70	0.70	—	0.70	—	33,611	33,611	1.36	0.27	—	33,726
Dust From Material Movement	—	—	—	—	—	—	9.67	9.67	—	3.12	3.12	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.33	1.31	27.4	53.7	0.10	0.22	—	0.22	0.22	—	0.22	—	10,524	10,524	0.43	0.09	—	10,560
Dust From Material Movement	—	—	—	—	—	—	3.03	3.03	—	0.98	0.98	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.24	0.24	5.01	9.79	0.02	0.04	—	0.04	0.04	—	0.04	—	1,742	1,742	0.07	0.01	—	1,748
Dust From Material Movement	—	—	—	—	—	—	0.55	0.55	—	0.18	0.18	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.26	0.26	0.22	4.04	0.00	0.00	0.85	0.85	0.00	0.20	0.20	—	862	862	0.01	0.03	2.48	874
Vendor	0.22	0.05	2.37	1.30	0.02	0.04	0.68	0.71	0.02	0.19	0.20	—	2,297	2,297	0.15	0.35	5.00	2,411
Hauling	0.34	0.05	3.41	1.95	0.02	0.04	0.85	0.89	0.04	0.23	0.27	—	2,978	2,978	0.29	0.48	5.35	3,133

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.25	0.24	0.23	3.03	0.00	0.00	0.85	0.85	0.00	0.20	0.20	—	791	791	0.01	0.03	0.06	801
Vendor	0.21	0.05	2.48	1.32	0.02	0.04	0.68	0.71	0.02	0.19	0.20	—	2,299	2,299	0.15	0.35	0.13	2,407
Hauling	0.33	0.04	3.56	1.96	0.02	0.04	0.85	0.89	0.04	0.23	0.27	—	2,979	2,979	0.29	0.48	0.14	3,129
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.08	1.01	0.00	0.00	0.26	0.26	0.00	0.06	0.06	—	251	251	< 0.005	0.01	0.34	255
Vendor	0.07	0.01	0.78	0.41	0.01	0.01	0.21	0.22	0.01	0.06	0.06	—	720	720	0.05	0.11	0.68	754
Hauling	0.11	0.01	1.12	0.61	0.01	0.01	0.27	0.28	0.01	0.07	0.09	—	933	933	0.09	0.15	0.72	980
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.18	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	41.6	41.6	< 0.005	< 0.005	0.06	42.1
Vendor	0.01	< 0.005	0.14	0.08	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	119	119	0.01	0.02	0.11	125
Hauling	0.02	< 0.005	0.20	0.11	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.02	—	154	154	0.01	0.02	0.12	162

3.9. 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	3.54	3.10	43.2	62.9	0.10	0.65	—	0.65	0.61	—	0.61	—	9,785	9,785	0.40	0.08	—	9,819
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.54	3.10	43.2	62.9	0.10	0.65	—	0.65	0.61	—	0.61	—	9,785	9,785	0.40	0.08	—	9,819
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.43	1.25	17.4	25.4	0.04	0.26	—	0.26	0.25	—	0.25	—	3,945	3,945	0.16	0.03	—	3,958
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	0.26	0.23	3.18	4.63	0.01	0.05	—	0.05	0.04	—	0.04	—	653	653	0.03	0.01	—	655
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	3.15	3.10	2.71	48.7	0.00	0.00	10.3	10.3	0.00	2.41	2.41	—	10,416	10,416	0.12	0.37	29.9	10,560
Vendor	0.39	0.09	4.30	2.36	0.03	0.06	1.22	1.29	0.03	0.34	0.37	—	4,159	4,159	0.27	0.64	9.06	4,364
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	2.99	2.93	2.74	36.7	0.00	0.00	10.3	10.3	0.00	2.41	2.41	—	9,557	9,557	0.14	0.37	0.78	9,672
Vendor	0.39	0.08	4.48	2.40	0.03	0.06	1.22	1.29	0.03	0.34	0.37	—	4,161	4,161	0.27	0.64	0.23	4,358
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	1.19	1.17	1.24	15.7	0.00	0.00	4.12	4.12	0.00	0.97	0.97	—	3,907	3,907	0.06	0.15	5.22	3,958
Vendor	0.16	0.03	1.81	0.96	0.01	0.03	0.49	0.52	0.01	0.14	0.15	—	1,677	1,677	0.11	0.26	1.57	1,758

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	0.22	0.21	0.23	2.86	0.00	0.00	0.75	0.75	0.00	0.18	0.18	—	647	647	0.01	0.02	0.86	655
Vendor	0.03	0.01	0.33	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	278	278	0.02	0.04	0.26	291
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

3.10. Building Construction (2028) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.54	3.10	43.2	62.9	0.10	0.65	—	0.65	0.61	—	0.61	—	9,785	9,785	0.40	0.08	—	9,819
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.54	3.10	43.2	62.9	0.10	0.65	—	0.65	0.61	—	0.61	—	9,785	9,785	0.40	0.08	—	9,819
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.43	1.25	17.4	25.4	0.04	0.26	—	0.26	0.25	—	0.25	—	3,945	3,945	0.16	0.03	—	3,958
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	0.26	0.23	3.18	4.63	0.01	0.05	—	0.05	0.04	—	0.04	—	653	653	0.03	0.01	—	655
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	3.15	3.10	2.71	48.7	0.00	0.00	10.3	10.3	0.00	2.41	2.41	—	10,416	10,416	0.12	0.37	29.9	10,560
Vendor	0.39	0.09	4.30	2.36	0.03	0.06	1.22	1.29	0.03	0.34	0.37	—	4,159	4,159	0.27	0.64	9.06	4,364
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	2.99	2.93	2.74	36.7	0.00	0.00	10.3	10.3	0.00	2.41	2.41	—	9,557	9,557	0.14	0.37	0.78	9,672
Vendor	0.39	0.08	4.48	2.40	0.03	0.06	1.22	1.29	0.03	0.34	0.37	—	4,161	4,161	0.27	0.64	0.23	4,358
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	1.19	1.17	1.24	15.7	0.00	0.00	4.12	4.12	0.00	0.97	0.97	—	3,907	3,907	0.06	0.15	5.22	3,958
Vendor	0.16	0.03	1.81	0.96	0.01	0.03	0.49	0.52	0.01	0.14	0.15	—	1,677	1,677	0.11	0.26	1.57	1,758
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	0.22	0.21	0.23	2.86	0.00	0.00	0.75	0.75	0.00	0.18	0.18	—	647	647	0.01	0.02	0.86	655
Vendor	0.03	0.01	0.33	0.17	< 0.005	< 0.005	0.09	0.09	< 0.005	0.02	0.03	—	278	278	0.02	0.04	0.26	291
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 (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	3.48	3.05	43.1	62.8	0.10	0.62	—	0.62	0.58	—	0.58	—	9,783	9,783	0.40	0.08	—	9,816
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.48	3.05	43.1	62.8	0.10	0.62	—	0.62	0.58	—	0.58	—	9,783	9,783	0.40	0.08	—	9,816
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.20	1.06	14.9	21.8	0.03	0.22	—	0.22	0.20	—	0.20	—	3,389	3,389	0.14	0.03	—	3,400
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	0.22	0.19	2.72	3.97	0.01	0.04	—	0.04	0.04	—	0.04	—	561	561	0.02	< 0.005	—	563
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	2.99	2.94	2.37	45.5	0.00	0.00	10.3	10.3	0.00	2.41	2.41	—	10,228	10,228	0.10	0.37	26.7	10,368
Vendor	0.36	0.09	4.11	2.26	0.03	0.03	1.22	1.26	0.03	0.34	0.37	—	4,050	4,050	0.27	0.60	7.96	4,244
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	2.84	2.45	2.73	34.3	0.00	0.00	10.3	10.3	0.00	2.41	2.41	—	9,385	9,385	0.12	0.37	0.69	9,500
Vendor	0.35	0.08	4.27	2.29	0.03	0.03	1.22	1.26	0.03	0.34	0.37	—	4,052	4,052	0.27	0.60	0.21	4,239
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	0.98	0.85	0.94	12.5	0.00	0.00	3.54	3.54	0.00	0.83	0.83	—	3,296	3,296	0.04	0.13	4.00	3,340
Vendor	0.12	0.03	1.49	0.79	0.01	0.01	0.42	0.43	0.01	0.12	0.13	—	1,403	1,403	0.09	0.21	1.19	1,469
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	0.18	0.15	0.17	2.29	0.00	0.00	0.65	0.65	0.00	0.15	0.15	—	546	546	0.01	0.02	0.66	553
Vendor	0.02	0.01	0.27	0.14	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	232	232	0.02	0.03	0.20	243
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

3.12. Building Construction (2029) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.48	3.05	43.1	62.8	0.10	0.62	—	0.62	0.58	—	0.58	—	9,783	9,783	0.40	0.08	—	9,816
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	3.48	3.05	43.1	62.8	0.10	0.62	—	0.62	0.58	—	0.58	—	9,783	9,783	0.40	0.08	—	9,816
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.20	1.06	14.9	21.8	0.03	0.22	—	0.22	0.20	—	0.20	—	3,389	3,389	0.14	0.03	—	3,400
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	0.22	0.19	2.72	3.97	0.01	0.04	—	0.04	0.04	—	0.04	—	561	561	0.02	< 0.005	—	563
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	2.99	2.94	2.37	45.5	0.00	0.00	10.3	10.3	0.00	2.41	2.41	—	10,228	10,228	0.10	0.37	26.7	10,368
Vendor	0.36	0.09	4.11	2.26	0.03	0.03	1.22	1.26	0.03	0.34	0.37	—	4,050	4,050	0.27	0.60	7.96	4,244
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	2.84	2.45	2.73	34.3	0.00	0.00	10.3	10.3	0.00	2.41	2.41	—	9,385	9,385	0.12	0.37	0.69	9,500
Vendor	0.35	0.08	4.27	2.29	0.03	0.03	1.22	1.26	0.03	0.34	0.37	—	4,052	4,052	0.27	0.60	0.21	4,239
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	0.98	0.85	0.94	12.5	0.00	0.00	3.54	3.54	0.00	0.83	0.83	—	3,296	3,296	0.04	0.13	4.00	3,340
Vendor	0.12	0.03	1.49	0.79	0.01	0.01	0.42	0.43	0.01	0.12	0.13	—	1,403	1,403	0.09	0.21	1.19	1,469

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	0.18	0.15	0.17	2.29	0.00	0.00	0.65	0.65	0.00	0.15	0.15	—	546	546	0.01	0.02	0.66	553
Vendor	0.02	0.01	0.27	0.14	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	232	232	0.02	0.03	0.20	243
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. 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	0.47	0.42	6.69	10.6	0.01	0.08	—	0.08	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	1.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.42	6.69	10.6	0.01	0.08	—	0.08	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	1.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.12	1.83	2.90	< 0.005	0.02	—	0.02	0.02	—	0.02	—	414	414	0.02	< 0.005	—	415
Paving	—	0.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

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	0.02	0.02	0.33	0.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	68.5	68.5	< 0.005	< 0.005	—	68.8
Paving	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.87	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	195	195	< 0.005	0.01	0.51	198
Vendor	0.13	0.03	1.49	0.82	0.01	0.01	0.44	0.46	0.01	0.12	0.13	—	1,473	1,473	0.10	0.22	2.89	1,543
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	0.05	0.05	0.05	0.66	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	179	179	< 0.005	0.01	0.01	182
Vendor	0.13	0.03	1.55	0.83	0.01	0.01	0.44	0.46	0.01	0.12	0.13	—	1,474	1,474	0.10	0.22	0.08	1,542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.19	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	49.8	49.8	< 0.005	< 0.005	0.06	50.5
Vendor	0.04	0.01	0.43	0.23	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	404	404	0.03	0.06	0.34	423
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.25	8.25	< 0.005	< 0.005	0.01	8.36
Vendor	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.8	66.8	< 0.005	0.01	0.06	70.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.14. Paving (2029) - Mitigated

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

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.42	6.69	10.6	0.01	0.08	—	0.08	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	1.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.47	0.42	6.69	10.6	0.01	0.08	—	0.08	0.08	—	0.08	—	1,511	1,511	0.06	0.01	—	1,516
Paving	—	1.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.13	0.12	1.83	2.90	< 0.005	0.02	—	0.02	0.02	—	0.02	—	414	414	0.02	< 0.005	—	415
Paving	—	0.36	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	0.02	0.02	0.33	0.53	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	68.5	68.5	< 0.005	< 0.005	—	68.8
Paving	—	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.05	0.87	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	195	195	< 0.005	0.01	0.51	198
Vendor	0.13	0.03	1.49	0.82	0.01	0.01	0.44	0.46	0.01	0.12	0.13	—	1,473	1,473	0.10	0.22	2.89	1,543
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	0.05	0.05	0.05	0.66	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	179	179	< 0.005	0.01	0.01	182
Vendor	0.13	0.03	1.55	0.83	0.01	0.01	0.44	0.46	0.01	0.12	0.13	—	1,474	1,474	0.10	0.22	0.08	1,542
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.19	0.00	0.00	0.05	0.05	0.00	0.01	0.01	—	49.8	49.8	< 0.005	< 0.005	0.06	50.5
Vendor	0.04	0.01	0.43	0.23	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	404	404	0.03	0.06	0.34	423
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.03	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.25	8.25	< 0.005	< 0.005	0.01	8.36
Vendor	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	66.8	66.8	< 0.005	0.01	0.06	70.0
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

3.15. 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	1.32	1.09	8.47	11.9	0.02	0.14	—	0.14	0.13	—	0.13	—	1,424	1,424	0.06	0.01	—	1,429
Architectural Coatings	—	133	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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	1.32	1.09	8.47	11.9	0.02	0.14	—	0.14	0.13	—	0.13	—	1,424	1,424	0.06	0.01	—	1,429
Architectural Coatings	—	133	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	1.62	2.28	< 0.005	0.03	—	0.03	0.02	—	0.02	—	273	273	0.01	< 0.005	—	274
Architectural Coatings	—	25.4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.30	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.2	45.2	< 0.005	< 0.005	—	45.4
Architectural Coatings	—	4.64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.59	0.47	9.11	0.00	0.00	2.05	2.05	0.00	0.48	0.48	—	2,046	2,046	0.02	0.07	5.35	2,074
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	0.57	0.49	0.55	6.86	0.00	0.00	2.05	2.05	0.00	0.48	0.48	—	1,877	1,877	0.02	0.07	0.14	1,900
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	0.11	0.09	0.10	1.39	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	365	365	< 0.005	0.01	0.44	370
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.25	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	60.4	60.4	< 0.005	< 0.005	0.07	61.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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

3.16. Architectural Coating (2029) - Mitigated

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	1.32	1.09	8.47	11.9	0.02	0.14	—	0.14	0.13	—	0.13	—	1,424	1,424	0.06	0.01	—	1,429
Architectural Coatings	—	58.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.32	1.09	8.47	11.9	0.02	0.14	—	0.14	0.13	—	0.13	—	1,424	1,424	0.06	0.01	—	1,429
Architectural Coatings	—	58.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.25	0.21	1.62	2.28	< 0.005	0.03	—	0.03	0.02	—	0.02	—	273	273	0.01	< 0.005	—	274
Architectural Coatings	—	11.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.30	0.42	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	45.2	45.2	< 0.005	< 0.005	—	45.4
Architectural Coatings	—	2.04	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.60	0.59	0.47	9.11	0.00	0.00	2.05	2.05	0.00	0.48	0.48	—	2,046	2,046	0.02	0.07	5.35	2,074
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	0.57	0.49	0.55	6.86	0.00	0.00	2.05	2.05	0.00	0.48	0.48	—	1,877	1,877	0.02	0.07	0.14	1,900
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	0.11	0.09	0.10	1.39	0.00	0.00	0.39	0.39	0.00	0.09	0.09	—	365	365	< 0.005	0.01	0.44	370
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.25	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	60.4	60.4	< 0.005	< 0.005	0.07	61.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

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

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	10/1/2027	11/11/2027	5.00	30.0	—
Site Preparation	Site Preparation	10/1/2027	11/11/2027	5.00	30.0	—
Grading	Grading	11/12/2027	6/8/2028	5.00	150	—
Building Construction	Building Construction	6/9/2028	6/26/2029	5.00	273	—
Paving	Paving	2/7/2029	6/26/2029	5.00	100	—
Architectural Coating	Architectural Coating	3/21/2029	6/26/2029	5.00	70.0	—

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Interim	2.00	8.00	367	0.40

Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Site Preparation	Crawler Tractors	Diesel	Tier 4 Interim	4.00	8.00	87.0	0.43
Grading	Graders	Diesel	Tier 4 Interim	3.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	4.00	8.00	36.0	0.38
Grading	Scrapers	Diesel	Tier 4 Interim	14.0	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Grading	Crawler Tractors	Diesel	Tier 4 Interim	2.00	8.00	87.0	0.43
Building Construction	Forklifts	Diesel	Tier 4 Interim	12.0	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	12.0	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Interim	2.00	8.00	367	0.29
Building Construction	Welders	Diesel	Average	6.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	12.0	8.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Interim	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	8.00	8.00	37.0	0.48

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Interim	2.00	8.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	8.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	8.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40

Site Preparation	Crawler Tractors	Diesel	Tier 4 Interim	4.00	8.00	87.0	0.43
Grading	Graders	Diesel	Tier 4 Interim	3.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	4.00	8.00	36.0	0.38
Grading	Scrapers	Diesel	Tier 4 Interim	14.0	8.00	423	0.48
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Grading	Crawler Tractors	Diesel	Tier 4 Interim	2.00	8.00	87.0	0.43
Building Construction	Forklifts	Diesel	Tier 4 Interim	12.0	8.00	82.0	0.20
Building Construction	Generator Sets	Diesel	Average	12.0	8.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Interim	2.00	8.00	367	0.29
Building Construction	Welders	Diesel	Average	6.00	8.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	12.0	8.00	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Interim	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 4 Interim	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Diesel	Average	8.00	8.00	37.0	0.48

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	16.0	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2

Site Preparation	Vendor	16.0	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	65.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	79.0	10.2	HHDT,MHDT
Grading	Hauling	45.8	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	785	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	143	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	52.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	157	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

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—

Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	16.0	10.2	HHDT,MHDT
Demolition	Hauling	0.00	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	16.0	10.2	HHDT,MHDT
Site Preparation	Hauling	0.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	65.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	79.0	10.2	HHDT,MHDT
Grading	Hauling	45.8	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	785	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	143	10.2	HHDT,MHDT
Building Construction	Hauling	0.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	52.0	10.2	HHDT,MHDT
Paving	Hauling	0.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	157	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	2,804,640	934,880	132,604

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)
Demolition	0.00	0.00	0.00	—	—
Site Preparation	0.00	0.00	105	0.00	—
Grading	0.00	55,000	2,700	0.00	—
Paving	0.00	0.00	0.00	0.00	50.7

5.6.2. Construction Earthmoving Control Strategies

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

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Unrefrigerated Warehouse-No Rail	0.00	0%
General Office Building	0.00	0%
Parking Lot	50.7	100%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2027	0.00	532	0.03	< 0.005
2028	0.00	532	0.03	< 0.005
2029	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

5.18.1.2. Mitigated

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

5.18.1.2. Mitigated

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)

5.18.2.2. Mitigated

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	27.6	annual days of extreme heat
Extreme Precipitation	6.20	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	14.7	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters

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

6.2. Initial Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

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

Air Quality Degradation	1	1	1	2

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	99.1
AQ-PM	60.9
AQ-DPM	67.4
Drinking Water	96.3
Lead Risk Housing	8.87
Pesticides	0.00
Toxic Releases	58.6
Traffic	72.8
Effect Indicators	—
CleanUp Sites	94.1
Groundwater	68.6
Haz Waste Facilities/Generators	63.6
Impaired Water Bodies	0.00
Solid Waste	75.7

Sensitive Population	—
Asthma	56.5
Cardio-vascular	74.7
Low Birth Weights	44.5
Socioeconomic Factor Indicators	—
Education	61.1
Housing	0.94
Linguistic	36.0
Poverty	19.4
Unemployment	83.2

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	84.02412421
Employed	1.591171564
Median HI	79.9563711
Education	—
Bachelor's or higher	28.85923264
High school enrollment	17.31040678
Preschool enrollment	36.78942641
Transportation	—
Auto Access	72.44963429
Active commuting	7.917361735
Social	—
2-parent households	44.74528423

Voting	49.54446298
Neighborhood	—
Alcohol availability	75.52932119
Park access	7.04478378
Retail density	9.457205184
Supermarket access	35.77569614
Tree canopy	15.46259464
Housing	—
Homeownership	91.76183755
Housing habitability	92.04414218
Low-inc homeowner severe housing cost burden	90.09367381
Low-inc renter severe housing cost burden	81.05992557
Uncrowded housing	69.47260362
Health Outcomes	—
Insured adults	52.11086873
Arthritis	41.4
Asthma ER Admissions	28.5
High Blood Pressure	35.9
Cancer (excluding skin)	49.7
Asthma	32.2
Coronary Heart Disease	57.7
Chronic Obstructive Pulmonary Disease	56.7
Diagnosed Diabetes	36.9
Life Expectancy at Birth	29.0
Cognitively Disabled	60.3
Physically Disabled	57.4
Heart Attack ER Admissions	27.5

Mental Health Not Good	47.3
Chronic Kidney Disease	45.1
Obesity	33.5
Pedestrian Injuries	91.8
Physical Health Not Good	49.9
Stroke	39.4
Health Risk Behaviors	—
Binge Drinking	26.9
Current Smoker	51.2
No Leisure Time for Physical Activity	54.9
Climate Change Exposures	—
Wildfire Risk	45.4
SLR Inundation Area	0.0
Children	40.5
Elderly	74.7
English Speaking	78.9
Foreign-born	23.9
Outdoor Workers	16.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	79.3
Traffic Density	68.0
Traffic Access	23.0
Other Indices	—
Hardship	39.4
Other Decision Support	—
2016 Voting	59.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	70.0
Healthy Places Index Score for Project Location (b)	36.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
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 Project team.
Construction: Off-Road Equipment	Construction equipment adjusted based on data provided by the Project team.
Construction: Trips and VMT	Adjusted to include vendor trips during each phase of construction based on the construction schedule.
Construction: Architectural Coatings	SCAQMD Rule 1113

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APPENDIX 4.2:

CALEEMOD EMISSIONS MODEL OUTPUTS – OPERATION

14324 Pepper 210 Ops Detailed Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14324 Pepper 210 Ops
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	6.80
Location	34.139327394311096, -117.36132402819828
County	San Bernardino-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5317
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.25

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	1,868	1000sqft	42.9	1,867,660	963,829	—	—	—

General Office Building	2.10	1000sqft	0.05	2,100	0.00	—	—	—
Parking Lot	2,210	1000sqft	50.7	0.00	0.00	—	—	—
User Defined Industrial	1,868	User Defined Unit	0.00	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment
Area Sources	AS-2	Use Low-VOC Paints

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.	77.1	70.0	76.1	190	0.77	1.46	36.5	38.0	1.37	9.59	11.0	1,057	94,819	95,876	113	11.5	173	102,308
Mit.	58.8	52.9	75.4	108	0.76	1.32	36.5	37.8	1.26	9.59	10.9	1,057	94,534	95,591	113	11.5	173	102,022
% Reduced	24%	24%	1%	43%	1%	10%	—	< 0.5%	8%	—	1%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	62.1	56.1	78.8	99.1	0.75	1.32	36.5	37.8	1.26	9.59	10.9	1,057	93,407	94,463	113	11.6	4.49	100,736
Mit.	58.3	52.3	78.8	99.1	0.75	1.32	36.5	37.8	1.26	9.59	10.9	1,057	93,407	94,463	113	11.6	4.49	100,736

% Reduced	6%	7%	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	66.7	61.7	56.7	128	0.55	0.97	26.5	27.4	0.91	6.95	7.86	1,057	70,818	71,875	111	8.52	54.3	77,247
Mit.	53.0	48.7	56.2	72.1	0.55	0.87	26.5	27.3	0.83	6.95	7.79	1,057	70,623	71,680	111	8.52	54.3	77,051
% Reduced	21%	21%	1%	44%	1%	10%	—	< 0.5%	8%	—	1%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	12.2	11.3	10.3	23.3	0.10	0.18	4.83	5.01	0.17	1.27	1.43	175	11,725	11,900	18.4	1.41	8.98	12,789
Mit.	9.67	8.89	10.3	13.2	0.10	0.16	4.83	4.99	0.15	1.27	1.42	175	11,693	11,867	18.4	1.41	8.98	12,757
% Reduced	21%	21%	1%	44%	1%	10%	—	< 0.5%	8%	—	1%	—	< 0.5%	< 0.5%	< 0.5%	< 0.5%	—	< 0.5%

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	16.5	10.6	72.6	106	0.76	1.17	36.5	37.7	1.12	9.59	10.7	—	83,482	83,482	5.81	11.2	173	87,123
Area	59.6	58.5	0.68	81.3	< 0.005	0.14	—	0.14	0.11	—	0.11	—	334	334	0.01	< 0.005	—	336
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	10,053	10,053	0.96	0.12	—	10,111
Water	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Waste	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Stationary	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505

Total	77.1	70.0	76.1	190	0.77	1.46	36.5	38.0	1.37	9.59	11.0	1,057	94,819	95,876	113	11.5	173	102,308
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.9	10.1	76.1	96.6	0.75	1.17	36.5	37.7	1.12	9.59	10.7	—	82,404	82,404	5.85	11.2	4.48	85,888
Area	45.1	45.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	10,053	10,053	0.96	0.12	—	10,111
Water	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Waste	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Stationary	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	62.1	56.1	78.8	99.1	0.75	1.32	36.5	37.8	1.26	9.59	10.9	1,057	93,407	94,463	113	11.6	4.49	100,736
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.5	7.28	55.9	71.7	0.55	0.85	26.5	27.3	0.81	6.95	7.77	—	60,021	60,021	4.25	8.13	54.2	62,604
Area	55.0	54.3	0.47	55.7	< 0.005	0.10	—	0.10	0.07	—	0.07	—	229	229	0.01	< 0.005	—	230
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	10,053	10,053	0.96	0.12	—	10,111
Water	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Waste	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Stationary	0.15	0.13	0.38	0.34	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	69.0	69.0	< 0.005	< 0.005	0.00	69.2
Total	66.7	61.7	56.7	128	0.55	0.97	26.5	27.4	0.91	6.95	7.86	1,057	70,818	71,875	111	8.52	54.3	77,247
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.11	1.33	10.2	13.1	0.10	0.16	4.83	4.99	0.15	1.27	1.42	—	9,937	9,937	0.70	1.35	8.98	10,365
Area	10.0	9.90	0.09	10.2	< 0.005	0.02	—	0.02	0.01	—	0.01	—	37.9	37.9	< 0.005	< 0.005	—	38.1
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,664	1,664	0.16	0.02	—	1,674
Water	—	—	—	—	—	—	—	—	—	—	—	18.1	73.9	92.0	1.86	0.04	—	152

Waste	—	—	—	—	—	—	—	—	—	—	—	157	0.00	157	15.7	0.00	—	549
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Stationary	0.03	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	0.00	11.5
Total	12.2	11.3	10.3	23.3	0.10	0.18	4.83	5.01	0.17	1.27	1.43	175	11,725	11,900	18.4	1.41	8.98	12,789

2.6. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	16.5	10.6	72.6	106	0.76	1.17	36.5	37.7	1.12	9.59	10.7	—	83,482	83,482	5.81	11.2	173	87,123
Area	41.3	41.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	10,103	10,103	0.96	0.12	—	10,161
Water	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Waste	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Stationary	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	58.8	52.9	75.4	108	0.76	1.32	36.5	37.8	1.26	9.59	10.9	1,057	94,534	95,591	113	11.5	173	102,022
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	15.9	10.1	76.1	96.6	0.75	1.17	36.5	37.7	1.12	9.59	10.7	—	82,404	82,404	5.85	11.2	4.48	85,888
Area	41.3	41.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	10,053	10,053	0.96	0.12	—	10,111
Water	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Waste	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Stationary	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	58.3	52.3	78.8	99.1	0.75	1.32	36.5	37.8	1.26	9.59	10.9	1,057	93,407	94,463	113	11.6	4.49	100,736
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	11.5	7.28	55.9	71.7	0.55	0.85	26.5	27.3	0.81	6.95	7.77	—	60,021	60,021	4.25	8.13	54.2	62,604
Area	41.3	41.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	10,087	10,087	0.96	0.12	—	10,146
Water	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Waste	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Stationary	0.15	0.13	0.38	0.34	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	69.0	69.0	< 0.005	< 0.005	0.00	69.2
Total	53.0	48.7	56.2	72.1	0.55	0.87	26.5	27.3	0.83	6.95	7.79	1,057	70,623	71,680	111	8.52	54.3	77,051
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.11	1.33	10.2	13.1	0.10	0.16	4.83	4.99	0.15	1.27	1.42	—	9,937	9,937	0.70	1.35	8.98	10,365
Area	7.54	7.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,670	1,670	0.16	0.02	—	1,680
Water	—	—	—	—	—	—	—	—	—	—	—	18.1	73.9	92.0	1.86	0.04	—	152
Waste	—	—	—	—	—	—	—	—	—	—	—	157	0.00	157	15.7	0.00	—	549
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Stationary	0.03	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	0.00	11.5
Total	9.67	8.89	10.3	13.2	0.10	0.16	4.83	4.99	0.15	1.27	1.42	175	11,693	11,867	18.4	1.41	8.98	12,757

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	9.81	9.28	3.42	66.2	0.14	0.06	14.2	14.3	0.05	3.60	3.65	—	14,080	14,080	0.62	0.41	32.7	14,250
General Office Building	0.10	0.09	0.03	0.65	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	138	138	0.01	< 0.005	0.32	140
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	6.55	1.22	69.2	38.8	0.62	1.11	22.1	23.2	1.06	5.96	7.02	—	69,264	69,264	5.18	10.7	140	72,734
Total	16.5	10.6	72.6	106	0.76	1.17	36.5	37.7	1.12	9.59	10.7	—	83,482	83,482	5.81	11.2	173	87,123
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	9.33	8.80	3.76	57.1	0.13	0.06	14.2	14.3	0.05	3.60	3.65	—	12,996	12,996	0.67	0.43	0.85	13,143
General Office Building	0.09	0.09	0.04	0.56	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	127	127	0.01	< 0.005	0.01	129

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	6.50	1.18	72.3	38.9	0.62	1.11	22.1	23.2	1.06	5.96	7.02	—	69,280	69,280	5.18	10.7	3.63	72,616
Total	15.9	10.1	76.1	96.6	0.75	1.17	36.5	37.7	1.12	9.59	10.7	—	82,404	82,404	5.85	11.2	4.48	85,888
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.23	1.16	0.51	7.87	0.02	0.01	1.89	1.90	0.01	0.48	0.48	—	1,592	1,592	0.08	0.05	1.70	1,611
General Office Building	0.01	0.01	0.01	0.08	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	15.6	15.6	< 0.005	< 0.005	0.02	15.8
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.86	0.16	9.68	5.14	0.08	0.15	2.92	3.07	0.14	0.79	0.93	—	8,330	8,330	0.62	1.29	7.26	8,738
Total	2.11	1.33	10.2	13.1	0.10	0.16	4.83	4.99	0.15	1.27	1.42	—	9,937	9,937	0.70	1.35	8.98	10,365

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	9.81	9.28	3.42	66.2	0.14	0.06	14.2	14.3	0.05	3.60	3.65	—	14,080	14,080	0.62	0.41	32.7	14,250

General Office Building	0.10	0.09	0.03	0.65	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	138	138	0.01	< 0.005	0.32	140
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	6.55	1.22	69.2	38.8	0.62	1.11	22.1	23.2	1.06	5.96	7.02	—	69,264	69,264	5.18	10.7	140	72,734
Total	16.5	10.6	72.6	106	0.76	1.17	36.5	37.7	1.12	9.59	10.7	—	83,482	83,482	5.81	11.2	173	87,123
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	9.33	8.80	3.76	57.1	0.13	0.06	14.2	14.3	0.05	3.60	3.65	—	12,996	12,996	0.67	0.43	0.85	13,143
General Office Building	0.09	0.09	0.04	0.56	< 0.005	< 0.005	0.14	0.14	< 0.005	0.04	0.04	—	127	127	0.01	< 0.005	0.01	129
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	6.50	1.18	72.3	38.9	0.62	1.11	22.1	23.2	1.06	5.96	7.02	—	69,280	69,280	5.18	10.7	3.63	72,616
Total	15.9	10.1	76.1	96.6	0.75	1.17	36.5	37.7	1.12	9.59	10.7	—	82,404	82,404	5.85	11.2	4.48	85,888
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.23	1.16	0.51	7.87	0.02	0.01	1.89	1.90	0.01	0.48	0.48	—	1,592	1,592	0.08	0.05	1.70	1,611
General Office Building	0.01	0.01	0.01	0.08	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	—	15.6	15.6	< 0.005	< 0.005	0.02	15.8

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.86	0.16	9.68	5.14	0.08	0.15	2.92	3.07	0.14	0.79	0.93	—	8,330	8,330	0.62	1.29	7.26	8,738
Total	2.11	1.33	10.2	13.1	0.10	0.16	4.83	4.99	0.15	1.27	1.42	—	9,937	9,937	0.70	1.35	8.98	10,365

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	8,182	8,182	0.78	0.09	—	8,229
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	34.8	34.8	< 0.005	< 0.005	—	35.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,836	1,836	0.18	0.02	—	1,847
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	10,053	10,053	0.96	0.12	—	10,111
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	—	8,182	8,182	0.78	0.09	—	8,229
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	34.8	34.8	< 0.005	< 0.005	—	35.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,836	1,836	0.18	0.02	—	1,847
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	10,053	10,053	0.96	0.12	—	10,111
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,355	1,355	0.13	0.02	—	1,362
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	5.76	5.76	< 0.005	< 0.005	—	5.79
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	304	304	0.03	< 0.005	—	306
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,664	1,664	0.16	0.02	—	1,674

4.2.2. Electricity Emissions By Land Use - Mitigated

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

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

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	8,231	8,231	0.78	0.10	—	8,279
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	34.8	34.8	< 0.005	< 0.005	—	35.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,836	1,836	0.18	0.02	—	1,847
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	10,103	10,103	0.96	0.12	—	10,161
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	8,182	8,182	0.78	0.09	—	8,229
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	34.8	34.8	< 0.005	< 0.005	—	35.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,836	1,836	0.18	0.02	—	1,847
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	10,053	10,053	0.96	0.12	—	10,111
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,360	1,360	0.13	0.02	—	1,368

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	5.76	5.76	< 0.005	< 0.005	—	5.79
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	304	304	0.03	< 0.005	—	306
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,670	1,670	0.16	0.02	—	1,680

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

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

Unrefrige Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
General Office Building	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	40.2	40.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	4.92	4.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	14.5	13.4	0.68	81.3	< 0.005	0.14	—	0.14	0.11	—	0.11	—	334	334	0.01	< 0.005	—	336
Total	59.6	58.5	0.68	81.3	< 0.005	0.14	—	0.14	0.11	—	0.11	—	334	334	0.01	< 0.005	—	336
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Consum Products	40.2	40.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coatings	4.92	4.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	45.1	45.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consum er Products	7.33	7.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coatings	0.90	0.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landsca pe Equipme nt	1.81	1.67	0.09	10.2	< 0.005	0.02	—	0.02	0.01	—	0.01	—	37.9	37.9	< 0.005	< 0.005	—	38.1
Total	10.0	9.90	0.09	10.2	< 0.005	0.02	—	0.02	0.01	—	0.01	—	37.9	37.9	< 0.005	< 0.005	—	38.1

4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consum er Products	40.2	40.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architect ural Coatings	1.12	1.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	41.3	41.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	40.2	40.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	1.12	1.12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	41.3	41.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	7.33	7.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.20	0.20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	7.54	7.54	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	109	444	553	11.2	0.27	—	913

General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.72	2.41	3.13	0.07	< 0.005	—	5.49
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	109	444	553	11.2	0.27	—	913
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.72	2.41	3.13	0.07	< 0.005	—	5.49
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	18.0	73.5	91.5	1.85	0.04	—	151
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.12	0.40	0.52	0.01	< 0.005	—	0.91

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	18.1	73.9	92.0	1.86	0.04	—	152

4.4.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	109	444	553	11.2	0.27	—	913
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.72	2.41	3.13	0.07	< 0.005	—	5.49
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	109	444	553	11.2	0.27	—	913
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.72	2.41	3.13	0.07	< 0.005	—	5.49
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	18.0	73.5	91.5	1.85	0.04	—	151
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.12	0.40	0.52	0.01	< 0.005	—	0.91
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	18.1	73.9	92.0	1.86	0.04	—	152

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	946	0.00	946	94.6	0.00	—	3,310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.05	0.00	1.05	0.11	0.00	—	3.68
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	946	0.00	946	94.6	0.00	—	3,310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.05	0.00	1.05	0.11	0.00	—	3.68
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	157	0.00	157	15.7	0.00	—	548
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.17	0.00	0.17	0.02	0.00	—	0.61
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	157	0.00	157	15.7	0.00	—	549

4.5.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	946	0.00	946	94.6	0.00	—	3,310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.05	0.00	1.05	0.11	0.00	—	3.68
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	946	0.00	946	94.6	0.00	—	3,310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.05	0.00	1.05	0.11	0.00	—	3.68
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	157	0.00	157	15.7	0.00	—	548
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.17	0.00	0.17	0.02	0.00	—	0.61
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	157	0.00	157	15.7	0.00	—	549

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005

4.6.2. Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.03	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	0.00	11.5
Total	0.03	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	0.00	11.5

4.8.2. Mitigated

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

Equipment 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505

Total	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.03	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	0.00	11.5
Total	0.03	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	0.00	11.5

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. Mitigated

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

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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
Unrefrigerated Warehouse-No Rail	3,268	261	105	871,207	20,425	1,634	654	5,444,432
General Office Building	32.0	1.98	1.79	8,539	200	12.3	11.2	53,365
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	710	57.9	1.87	188,148	24,499	1,999	64.5	6,494,871

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	3,268	261	105	871,207	20,425	1,634	654	5,444,432
General Office Building	32.0	1.98	1.79	8,539	200	12.3	11.2	53,365
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	710	57.9	1.87	188,148	24,499	1,999	64.5	6,494,871

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	2,804,640	934,880	132,604

5.10.3. Landscape Equipment

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

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	8,626,167	346	0.0330	0.0040	0.00
General Office Building	36,649	346	0.0330	0.0040	0.00
Parking Lot	1,936,018	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	8,626,167	346	0.0330	0.0040	0.00
General Office Building	36,649	346	0.0330	0.0040	0.00
Parking Lot	1,936,018	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	56,706,600	15,478,249
General Office Building	373,241	0.00
Parking Lot	0.00	0.00
User Defined Industrial	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	56,706,600	15,478,249
General Office Building	373,241	0.00
Parking Lot	0.00	0.00
User Defined Industrial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)

Unrefrigerated Warehouse-No Rail	1,756	—
General Office Building	1.95	—
Parking Lot	0.00	—
User Defined Industrial	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	1,756	—
General Office Building	1.95	—
Parking Lot	0.00	—
User Defined Industrial	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
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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
Fire Pump	Diesel	1.00	1.00	50.0	300	0.73

5.16.2. Process Boilers

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

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

5.18.1.2. Mitigated

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

5.18.1.2. Mitigated

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)

5.18.2.2. Mitigated

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	27.6	annual days of extreme heat

Extreme Precipitation	6.20	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	14.7	annual hectares burned

Temperature and Extreme Heat data are for grid cell in which your project are located. The projection is based on the 98th historical percentile of daily maximum/minimum temperatures from observed historical data (32 climate model ensemble from Cal-Adapt, 2040–2059 average under RCP 8.5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	99.1
AQ-PM	60.9
AQ-DPM	67.4
Drinking Water	96.3
Lead Risk Housing	8.87
Pesticides	0.00

Toxic Releases	58.6
Traffic	72.8
Effect Indicators	—
CleanUp Sites	94.1
Groundwater	68.6
Haz Waste Facilities/Generators	63.6
Impaired Water Bodies	0.00
Solid Waste	75.7
Sensitive Population	—
Asthma	56.5
Cardio-vascular	74.7
Low Birth Weights	44.5
Socioeconomic Factor Indicators	—
Education	61.1
Housing	0.94
Linguistic	36.0
Poverty	19.4
Unemployment	83.2

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	84.02412421
Employed	1.591171564
Median HI	79.9563711
Education	—

Bachelor's or higher	28.85923264
High school enrollment	17.31040678
Preschool enrollment	36.78942641
Transportation	—
Auto Access	72.44963429
Active commuting	7.917361735
Social	—
2-parent households	44.74528423
Voting	49.54446298
Neighborhood	—
Alcohol availability	75.52932119
Park access	7.04478378
Retail density	9.457205184
Supermarket access	35.77569614
Tree canopy	15.46259464
Housing	—
Homeownership	91.76183755
Housing habitability	92.04414218
Low-inc homeowner severe housing cost burden	90.09367381
Low-inc renter severe housing cost burden	81.05992557
Uncrowded housing	69.47260362
Health Outcomes	—
Insured adults	52.11086873
Arthritis	41.4
Asthma ER Admissions	28.5
High Blood Pressure	35.9
Cancer (excluding skin)	49.7

Asthma	32.2
Coronary Heart Disease	57.7
Chronic Obstructive Pulmonary Disease	56.7
Diagnosed Diabetes	36.9
Life Expectancy at Birth	29.0
Cognitively Disabled	60.3
Physically Disabled	57.4
Heart Attack ER Admissions	27.5
Mental Health Not Good	47.3
Chronic Kidney Disease	45.1
Obesity	33.5
Pedestrian Injuries	91.8
Physical Health Not Good	49.9
Stroke	39.4
Health Risk Behaviors	—
Binge Drinking	26.9
Current Smoker	51.2
No Leisure Time for Physical Activity	54.9
Climate Change Exposures	—
Wildfire Risk	45.4
SLR Inundation Area	0.0
Children	40.5
Elderly	74.7
English Speaking	78.9
Foreign-born	23.9
Outdoor Workers	16.6
Climate Change Adaptive Capacity	—

Impervious Surface Cover	79.3
Traffic Density	68.0
Traffic Access	23.0
Other Indices	—
Hardship	39.4
Other Decision Support	—
2016 Voting	59.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	70.0
Healthy Places Index Score for Project Location (b)	36.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
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 adjusted based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate passenger vehicles and trucks.
Operations: Energy Use	Project will not utilize natural gas.
Operations: Water and Waste Water	Water use based on Project WSA.
Operations: Refrigerants	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 4.3:

CALEEMOD EMISSIONS MODEL OUTPUTS – LOCALIZED OPERATION

14324 Pepper 210 Ops LST Detailed Report

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1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	14324 Pepper 210 Ops LST
Operational Year	2029
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.80
Precipitation (days)	6.80
Location	34.139327394311096, -117.36132402819828
County	San Bernardino-South Coast
City	Unincorporated
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5317
EDFZ	10
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.21

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Unrefrigerated Warehouse-No Rail	1,868	1000sqft	42.9	1,867,660	963,829	—	—	—

General Office Building	2.10	1000sqft	0.05	2,100	0.00	—	—	—
Parking Lot	2,210	1000sqft	50.7	0.00	0.00	—	—	—
User Defined Industrial	1,868	User Defined Unit	0.00	0.00	0.00	—	—	—

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Area Sources	LL-1	Replace Gas Powered Landscape Equipment with Zero-Emission Landscape Equipment

2. Emissions Summary

2.4. Operations Emissions Compared Against Thresholds

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

Un/Mit.	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	25.6	68.4	16.8	125	0.10	0.38	5.88	6.27	0.34	1.51	1.85	1,057	21,150	22,206	108	1.45	18.7	25,361
Mit.	11.1	55.0	16.1	43.5	0.10	0.24	5.88	6.12	0.23	1.51	1.74	1,057	20,865	21,922	108	1.44	18.7	25,075
% Reduced	57%	20%	4%	65%	5%	38%	—	2%	32%	—	6%	—	1%	1%	< 0.5%	< 0.5%	—	1%
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	10.6	54.5	16.8	42.7	0.09	0.24	5.88	6.12	0.24	1.51	1.74	1,057	20,486	21,542	108	1.46	0.49	24,683
Mit.	10.6	54.5	16.8	42.7	0.09	0.24	5.88	6.12	0.24	1.51	1.74	1,057	20,486	21,542	108	1.46	0.49	24,683
% Reduced	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	17.0	60.5	11.0	85.7	0.07	0.19	4.27	4.46	0.16	1.09	1.25	1,057	17,736	18,792	108	1.17	5.87	21,842
Mit.	7.06	51.3	10.5	30.0	0.06	0.09	4.27	4.36	0.09	1.09	1.18	1,057	17,541	18,597	108	1.17	5.87	21,647
% Reduced	58%	15%	4%	65%	5%	53%	—	2%	47%	—	6%	—	1%	1%	< 0.5%	< 0.5%	—	1%
Annual (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unmit.	3.10	11.0	2.00	15.6	0.01	0.03	0.78	0.81	0.03	0.20	0.23	175	2,936	3,111	17.9	0.19	0.97	3,616
Mit.	1.29	9.37	1.92	5.48	0.01	0.02	0.78	0.80	0.02	0.20	0.22	175	2,904	3,079	17.9	0.19	0.97	3,584
% Reduced	58%	15%	4%	65%	5%	53%	—	2%	47%	—	6%	—	1%	1%	< 0.5%	< 0.5%	—	1%

2.5. Operations Emissions by Sector, Unmitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.1	8.93	13.4	40.9	0.09	0.09	5.88	5.98	0.09	1.51	1.60	—	9,812	9,812	1.27	1.05	18.7	10,176
Area	14.5	58.5	0.68	81.3	< 0.005	0.14	—	0.14	0.11	—	0.11	—	334	334	0.01	< 0.005	—	336
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	10,053	10,053	0.96	0.12	—	10,111
Water	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Waste	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Stationary	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	25.6	68.4	16.8	125	0.10	0.38	5.88	6.27	0.34	1.51	1.85	1,057	21,150	22,206	108	1.45	18.7	25,361

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.55	8.41	14.1	40.2	0.09	0.10	5.88	5.98	0.09	1.51	1.60	—	9,483	9,483	1.32	1.07	0.48	9,834
Area	—	45.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	10,053	10,053	0.96	0.12	—	10,111
Water	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Waste	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Stationary	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	10.6	54.5	16.8	42.7	0.09	0.24	5.88	6.12	0.24	1.51	1.74	1,057	20,486	21,542	108	1.46	0.49	24,683
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.91	6.08	10.1	29.7	0.06	0.07	4.27	4.34	0.07	1.09	1.16	—	6,938	6,938	0.96	0.78	5.87	7,200
Area	9.92	54.3	0.47	55.7	< 0.005	0.10	—	0.10	0.07	—	0.07	—	229	229	0.01	< 0.005	—	230
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	10,053	10,053	0.96	0.12	—	10,111
Water	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Waste	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Stationary	0.15	0.13	0.38	0.34	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	69.0	69.0	< 0.005	< 0.005	0.00	69.2
Total	17.0	60.5	11.0	85.7	0.07	0.19	4.27	4.46	0.16	1.09	1.25	1,057	17,736	18,792	108	1.17	5.87	21,842
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.26	1.11	1.85	5.41	0.01	0.01	0.78	0.79	0.01	0.20	0.21	—	1,149	1,149	0.16	0.13	0.97	1,192
Area	1.81	9.90	0.09	10.2	< 0.005	0.02	—	0.02	0.01	—	0.01	—	37.9	37.9	< 0.005	< 0.005	—	38.1
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,664	1,664	0.16	0.02	—	1,674
Water	—	—	—	—	—	—	—	—	—	—	—	18.1	73.9	92.0	1.86	0.04	—	152
Waste	—	—	—	—	—	—	—	—	—	—	—	157	0.00	157	15.7	0.00	—	549

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Stationary	0.03	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	0.00	11.5
Total	3.10	11.0	2.00	15.6	0.01	0.03	0.78	0.81	0.03	0.20	0.23	175	2,936	3,111	17.9	0.19	0.97	3,616

2.6. Operations Emissions by Sector, Mitigated

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

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	10.1	8.93	13.4	40.9	0.09	0.09	5.88	5.98	0.09	1.51	1.60	—	9,812	9,812	1.27	1.05	18.7	10,176
Area	—	45.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	10,103	10,103	0.96	0.12	—	10,161
Water	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Waste	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Stationary	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	11.1	55.0	16.1	43.5	0.10	0.24	5.88	6.12	0.23	1.51	1.74	1,057	20,865	21,922	108	1.44	18.7	25,075
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	9.55	8.41	14.1	40.2	0.09	0.10	5.88	5.98	0.09	1.51	1.60	—	9,483	9,483	1.32	1.07	0.48	9,834
Area	—	45.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	10,053	10,053	0.96	0.12	—	10,111
Water	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Waste	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005

Stationar	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	10.6	54.5	16.8	42.7	0.09	0.24	5.88	6.12	0.24	1.51	1.74	1,057	20,486	21,542	108	1.46	0.49	24,683
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	6.91	6.08	10.1	29.7	0.06	0.07	4.27	4.34	0.07	1.09	1.16	—	6,938	6,938	0.96	0.78	5.87	7,200
Area	—	45.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	10,087	10,087	0.96	0.12	—	10,146
Water	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Waste	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Stationary	0.15	0.13	0.38	0.34	< 0.005	0.02	0.00	0.02	0.02	0.00	0.02	0.00	69.0	69.0	< 0.005	< 0.005	0.00	69.2
Total	7.06	51.3	10.5	30.0	0.06	0.09	4.27	4.36	0.09	1.09	1.18	1,057	17,541	18,597	108	1.17	5.87	21,647
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	1.26	1.11	1.85	5.41	0.01	0.01	0.78	0.79	0.01	0.20	0.21	—	1,149	1,149	0.16	0.13	0.97	1,192
Area	—	8.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,670	1,670	0.16	0.02	—	1,680
Water	—	—	—	—	—	—	—	—	—	—	—	18.1	73.9	92.0	1.86	0.04	—	152
Waste	—	—	—	—	—	—	—	—	—	—	—	157	0.00	157	15.7	0.00	—	549
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Stationary	0.03	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	0.00	11.5
Total	1.29	9.37	1.92	5.48	0.01	0.02	0.78	0.80	0.02	0.20	0.22	175	2,904	3,079	17.9	0.19	0.97	3,584

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	8.68	8.40	2.12	31.9	0.05	0.03	4.56	4.58	0.03	1.15	1.18	—	4,845	4,845	0.45	0.27	10.4	4,947
General Office Building	0.08	0.08	0.02	0.31	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	47.4	47.4	< 0.005	< 0.005	0.10	48.4
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.29	0.45	11.2	8.77	0.04	0.07	1.28	1.35	0.06	0.35	0.41	—	4,920	4,920	0.81	0.78	8.10	5,181
Total	10.1	8.93	13.4	40.9	0.09	0.09	5.88	5.98	0.09	1.51	1.60	—	9,812	9,812	1.27	1.05	18.7	10,176
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	8.23	7.93	2.29	30.9	0.04	0.03	4.56	4.58	0.03	1.15	1.18	—	4,502	4,502	0.51	0.28	0.27	4,599
General Office Building	0.08	0.08	0.02	0.30	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	44.1	44.1	< 0.005	< 0.005	< 0.005	45.0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

User Defined Industrial	1.24	0.40	11.8	8.95	0.04	0.07	1.28	1.35	0.06	0.35	0.41	—	4,937	4,937	0.81	0.78	0.21	5,191
Total	9.55	8.41	14.1	40.2	0.09	0.10	5.88	5.98	0.09	1.51	1.60	—	9,483	9,483	1.32	1.07	0.48	9,834
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.08	1.04	0.31	4.20	0.01	< 0.005	0.60	0.61	< 0.005	0.15	0.16	—	551	551	0.06	0.03	0.55	563
General Office Building	0.01	0.01	< 0.005	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	5.40	5.40	< 0.005	< 0.005	0.01	5.52
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	0.17	0.06	1.54	1.17	0.01	0.01	0.17	0.18	0.01	0.05	0.05	—	592	592	0.10	0.09	0.42	623
Total	1.26	1.11	1.85	5.41	0.01	0.01	0.78	0.79	0.01	0.20	0.21	—	1,149	1,149	0.16	0.13	0.97	1,192

4.1.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	8.68	8.40	2.12	31.9	0.05	0.03	4.56	4.58	0.03	1.15	1.18	—	4,845	4,845	0.45	0.27	10.4	4,947
General Office Building	0.08	0.08	0.02	0.31	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	47.4	47.4	< 0.005	< 0.005	0.10	48.4

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.29	0.45	11.2	8.77	0.04	0.07	1.28	1.35	0.06	0.35	0.41	—	4,920	4,920	0.81	0.78	8.10	5,181
Total	10.1	8.93	13.4	40.9	0.09	0.09	5.88	5.98	0.09	1.51	1.60	—	9,812	9,812	1.27	1.05	18.7	10,176
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	8.23	7.93	2.29	30.9	0.04	0.03	4.56	4.58	0.03	1.15	1.18	—	4,502	4,502	0.51	0.28	0.27	4,599
General Office Building	0.08	0.08	0.02	0.30	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	44.1	44.1	< 0.005	< 0.005	< 0.005	45.0
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	1.24	0.40	11.8	8.95	0.04	0.07	1.28	1.35	0.06	0.35	0.41	—	4,937	4,937	0.81	0.78	0.21	5,191
Total	9.55	8.41	14.1	40.2	0.09	0.10	5.88	5.98	0.09	1.51	1.60	—	9,483	9,483	1.32	1.07	0.48	9,834
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	1.08	1.04	0.31	4.20	0.01	< 0.005	0.60	0.61	< 0.005	0.15	0.16	—	551	551	0.06	0.03	0.55	563
General Office Building	0.01	0.01	< 0.005	0.04	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	5.40	5.40	< 0.005	< 0.005	0.01	5.52
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

User Defined Industrial	0.17	0.06	1.54	1.17	0.01	0.01	0.17	0.18	0.01	0.05	0.05	—	592	592	0.10	0.09	0.42	623
Total	1.26	1.11	1.85	5.41	0.01	0.01	0.78	0.79	0.01	0.20	0.21	—	1,149	1,149	0.16	0.13	0.97	1,192

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	8,182	8,182	0.78	0.09	—	8,229
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	34.8	34.8	< 0.005	< 0.005	—	35.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,836	1,836	0.18	0.02	—	1,847
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	10,053	10,053	0.96	0.12	—	10,111
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	8,182	8,182	0.78	0.09	—	8,229
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	34.8	34.8	< 0.005	< 0.005	—	35.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,836	1,836	0.18	0.02	—	1,847
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	10,053	10,053	0.96	0.12	—	10,111
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	1,355	1,355	0.13	0.02	—	1,362
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	5.76	5.76	< 0.005	< 0.005	—	5.79
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	304	304	0.03	< 0.005	—	306
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,664	1,664	0.16	0.02	—	1,674

4.2.2. Electricity Emissions By Land Use - Mitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	8,231	8,231	0.78	0.10	—	8,279
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	34.8	34.8	< 0.005	< 0.005	—	35.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,836	1,836	0.18	0.02	—	1,847
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	10,103	10,103	0.96	0.12	—	10,161
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	—	8,182	8,182	0.78	0.09	—	8,229
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	34.8	34.8	< 0.005	< 0.005	—	35.0
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	1,836	1,836	0.18	0.02	—	1,847
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	10,053	10,053	0.96	0.12	—	10,111
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	—	1,360	1,360	0.13	0.02	—	1,368
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	5.76	5.76	< 0.005	< 0.005	—	5.79
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	304	304	0.03	< 0.005	—	306
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,670	1,670	0.16	0.02	—	1,680

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

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

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

4.2.4. Natural Gas Emissions By Land Use - Mitigated

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

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

4.3. Area Emissions by Source

4.3.1. Unmitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	40.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	4.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	14.5	13.4	0.68	81.3	< 0.005	0.14	—	0.14	0.11	—	0.11	—	334	334	0.01	< 0.005	—	336

Total	14.5	58.5	0.68	81.3	< 0.005	0.14	—	0.14	0.11	—	0.11	—	334	334	0.01	< 0.005	—	336
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	40.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	4.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	45.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	1.81	1.67	0.09	10.2	< 0.005	0.02	—	0.02	0.01	—	0.01	—	37.9	37.9	< 0.005	< 0.005	—	38.1
Total	1.81	9.90	0.09	10.2	< 0.005	0.02	—	0.02	0.01	—	0.01	—	37.9	37.9	< 0.005	< 0.005	—	38.1

4.3.2. Mitigated

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

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	40.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Architectural	—	4.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	45.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	40.2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	4.92	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	45.1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Consumer Products	—	7.33	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	—	0.90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	8.23	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

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

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

Unrefrigerated Warehou Rail	—	—	—	—	—	—	—	—	—	—	—	109	444	553	11.2	0.27	—	913
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.72	2.41	3.13	0.07	< 0.005	—	5.49
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	109	444	553	11.2	0.27	—	913
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.72	2.41	3.13	0.07	< 0.005	—	5.49
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	18.0	73.5	91.5	1.85	0.04	—	151

General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.12	0.40	0.52	0.01	< 0.005	—	0.91
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	18.1	73.9	92.0	1.86	0.04	—	152

4.4.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	109	444	553	11.2	0.27	—	913
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.72	2.41	3.13	0.07	< 0.005	—	5.49
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrige Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	109	444	553	11.2	0.27	—	913
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.72	2.41	3.13	0.07	< 0.005	—	5.49
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	109	446	556	11.3	0.27	—	918
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrige rated Warehou se-No Rail	—	—	—	—	—	—	—	—	—	—	—	18.0	73.5	91.5	1.85	0.04	—	151
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.12	0.40	0.52	0.01	< 0.005	—	0.91
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	18.1	73.9	92.0	1.86	0.04	—	152

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

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

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

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	946	0.00	946	94.6	0.00	—	3,310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.05	0.00	1.05	0.11	0.00	—	3.68
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	946	0.00	946	94.6	0.00	—	3,310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.05	0.00	1.05	0.11	0.00	—	3.68
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Unrefrigerated	—	—	—	—	—	—	—	—	—	—	—	157	0.00	157	15.7	0.00	—	548
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.17	0.00	0.17	0.02	0.00	—	0.61
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	157	0.00	157	15.7	0.00	—	549

4.5.2. Mitigated

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

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	946	0.00	946	94.6	0.00	—	3,310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.05	0.00	1.05	0.11	0.00	—	3.68
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	946	0.00	946	94.6	0.00	—	3,310
General Office Building	—	—	—	—	—	—	—	—	—	—	—	1.05	0.00	1.05	0.11	0.00	—	3.68
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	947	0.00	947	94.7	0.00	—	3,314
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Unrefrigerated Warehouse-No Rail	—	—	—	—	—	—	—	—	—	—	—	157	0.00	157	15.7	0.00	—	548
General Office Building	—	—	—	—	—	—	—	—	—	—	—	0.17	0.00	0.17	0.02	0.00	—	0.61
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
User Defined Industrial	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	157	0.00	157	15.7	0.00	—	549

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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005

4.6.2. Mitigated

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

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

General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
General Office Building	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

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

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.03	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	0.00	11.5
Total	0.03	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	0.00	11.5

4.8.2. Mitigated

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

Equipment 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)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Total	1.08	0.98	2.75	2.51	< 0.005	0.14	0.00	0.14	0.14	0.00	0.14	0.00	504	504	0.02	< 0.005	0.00	505
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Fire Pump	0.03	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	0.00	11.5
Total	0.03	0.02	0.07	0.06	< 0.005	< 0.005	0.00	< 0.005	< 0.005	0.00	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	0.00	11.5

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

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

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

4.9.2. Mitigated

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

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

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

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

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

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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

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

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

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

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

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

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

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

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

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

5. Activity Data

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	3,268	261	105	871,207	6,537	523	209	1,742,415
General Office Building	32.0	1.98	1.79	8,539	64.0	3.95	3.59	17,079

Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	710	57.9	1.87	188,148	1,419	116	3.74	376,296

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Unrefrigerated Warehouse-No Rail	3,268	261	105	871,207	6,537	523	209	1,742,415
General Office Building	32.0	1.98	1.79	8,539	64.0	3.95	3.59	17,079
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
User Defined Industrial	710	57.9	1.87	188,148	1,419	116	3.74	376,296

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
0	0.00	2,804,640	934,880	132,604

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00

Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

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

5.11. Operational Energy Consumption

5.11.1. Unmitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	8,626,167	346	0.0330	0.0040	0.00
General Office Building	36,649	346	0.0330	0.0040	0.00
Parking Lot	1,936,018	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00

5.11.2. Mitigated

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

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Unrefrigerated Warehouse-No Rail	8,626,167	346	0.0330	0.0040	0.00
General Office Building	36,649	346	0.0330	0.0040	0.00
Parking Lot	1,936,018	346	0.0330	0.0040	0.00
User Defined Industrial	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	56,706,600	15,478,249
General Office Building	373,241	0.00
Parking Lot	0.00	0.00
User Defined Industrial	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Unrefrigerated Warehouse-No Rail	56,706,600	15,478,249
General Office Building	373,241	0.00
Parking Lot	0.00	0.00
User Defined Industrial	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	1,756	—
General Office Building	1.95	—
Parking Lot	0.00	—
User Defined Industrial	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Unrefrigerated Warehouse-No Rail	1,756	—
General Office Building	1.95	—
Parking Lot	0.00	—
User Defined Industrial	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
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
General Office Building	Household refrigerators and/or freezers	R-134a	1,430	0.02	0.60	0.00	1.00
General Office Building	Other commercial A/C and heat pumps	User Defined	750	< 0.005	4.00	4.00	18.0

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

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

5.15.2. Mitigated

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
Fire Pump	Diesel	1.00	1.00	50.0	300	0.73

5.16.2. Process Boilers

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

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

5.18.1.2. Mitigated

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

5.18.1.2. Mitigated

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)

5.18.2.2. Mitigated

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	27.6	annual days of extreme heat
Extreme Precipitation	6.20	annual days with precipitation above 20 mm
Sea Level Rise	—	meters of inundation depth
Wildfire	14.7	annual hectares burned

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

Extreme Precipitation data are for the grid cell in which your project are located. The threshold of 20 mm is equivalent to about ¾ an inch of rain, which would be light to moderate rainfall if received over a full day or heavy rain if received over a period of 2 to 4 hours. Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.
Sea Level Rise data are for the grid cell in which your project are located. The projections are from Radke et al. (2017), as reported in Cal-Adapt (Radke et al., 2017, CEC-500-2017-008), and consider inundation location and depth for the San Francisco Bay, the Sacramento-San Joaquin River Delta and California coast resulting different increments of sea level rise coupled with extreme storm events. Users may select from four scenarios to view the range in potential inundation depth for the grid cell. The four scenarios are: No rise, 0.5 meter, 1.0 meter, 1.41 meters
Wildfire data are for the grid cell in which your project are located. The projections are from UC Davis, as reported in Cal-Adapt (2040–2059 average under RCP 8.5), and consider historical data of climate, vegetation, population density, and large (> 400 ha) fire history. Users may select from four model simulations to view the range in potential wildfire probabilities for the grid cell. The four simulations make different assumptions about expected rainfall and temperature are: Warmer/drier (HadGEM2-ES), Cooler/wetter (CNRM-CM5), Average conditions (CanESM2), Range of different rainfall and temperature possibilities (MIROC5). Each grid cell is 6 kilometers (km) by 6 km, or 3.7 miles (mi) by 3.7 mi.

6.2. Initial Climate Risk Scores

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores do not include implementation of climate risk reduction measures.

6.3. Adjusted Climate Risk Scores

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

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

The sensitivity score reflects the extent to which a project would be adversely affected by exposure to a climate hazard. Exposure is rated on a scale of 1 to 5, with a score of 5 representing the greatest exposure.
The adaptive capacity of a project refers to its ability to manage and reduce vulnerabilities from projected climate hazards. Adaptive capacity is rated on a scale of 1 to 5, with a score of 5 representing the greatest ability to adapt.
The overall vulnerability scores are calculated based on the potential impacts and adaptive capacity assessments for each hazard. Scores include implementation of climate risk reduction measures.

6.4. Climate Risk Reduction Measures

7. Health and Equity Details

7.1. CalEnviroScreen 4.0 Scores

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

Indicator	Result for Project Census Tract
Exposure Indicators	—
AQ-Ozone	99.1
AQ-PM	60.9
AQ-DPM	67.4
Drinking Water	96.3
Lead Risk Housing	8.87
Pesticides	0.00
Toxic Releases	58.6
Traffic	72.8
Effect Indicators	—
CleanUp Sites	94.1
Groundwater	68.6

Haz Waste Facilities/Generators	63.6
Impaired Water Bodies	0.00
Solid Waste	75.7
Sensitive Population	—
Asthma	56.5
Cardio-vascular	74.7
Low Birth Weights	44.5
Socioeconomic Factor Indicators	—
Education	61.1
Housing	0.94
Linguistic	36.0
Poverty	19.4
Unemployment	83.2

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	84.02412421
Employed	1.591171564
Median HI	79.9563711
Education	—
Bachelor's or higher	28.85923264
High school enrollment	17.31040678
Preschool enrollment	36.78942641
Transportation	—
Auto Access	72.44963429

Active commuting	7.917361735
Social	—
2-parent households	44.74528423
Voting	49.54446298
Neighborhood	—
Alcohol availability	75.52932119
Park access	7.04478378
Retail density	9.457205184
Supermarket access	35.77569614
Tree canopy	15.46259464
Housing	—
Homeownership	91.76183755
Housing habitability	92.04414218
Low-inc homeowner severe housing cost burden	90.09367381
Low-inc renter severe housing cost burden	81.05992557
Uncrowded housing	69.47260362
Health Outcomes	—
Insured adults	52.11086873
Arthritis	41.4
Asthma ER Admissions	28.5
High Blood Pressure	35.9
Cancer (excluding skin)	49.7
Asthma	32.2
Coronary Heart Disease	57.7
Chronic Obstructive Pulmonary Disease	56.7
Diagnosed Diabetes	36.9
Life Expectancy at Birth	29.0

Cognitively Disabled	60.3
Physically Disabled	57.4
Heart Attack ER Admissions	27.5
Mental Health Not Good	47.3
Chronic Kidney Disease	45.1
Obesity	33.5
Pedestrian Injuries	91.8
Physical Health Not Good	49.9
Stroke	39.4
Health Risk Behaviors	—
Binge Drinking	26.9
Current Smoker	51.2
No Leisure Time for Physical Activity	54.9
Climate Change Exposures	—
Wildfire Risk	45.4
SLR Inundation Area	0.0
Children	40.5
Elderly	74.7
English Speaking	78.9
Foreign-born	23.9
Outdoor Workers	16.6
Climate Change Adaptive Capacity	—
Impervious Surface Cover	79.3
Traffic Density	68.0
Traffic Access	23.0
Other Indices	—
Hardship	39.4

Other Decision Support	—
2016 Voting	59.4

7.3. Overall Health & Equity Scores

Metric	Result for Project Census Tract
CalEnviroScreen 4.0 Score for Project Location (a)	70.0
Healthy Places Index Score for Project Location (b)	36.0
Project Located in a Designated Disadvantaged Community (Senate Bill 535)	No
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 adjusted based on Project traffic study.
Operations: Fleet Mix	Fleet mix adjusted to separate passenger vehicles and trucks.
Operations: Energy Use	Project will not utilize natural gas.
Operations: Water and Waste Water	Water use based on Project WSA.

Operations: Refrigerants	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 4.4:

AERMOD MODEL OUTPUTS

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** Lakes Environmental AERMOD MPI
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**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 1/19/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Construction\14324
Construction.ADI
**
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**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\1432
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2035210 San_Bernardino_County
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "14324 Construction.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE19
** DESCRSRC Offsite Pepper 100%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 0.0010631941
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 467427.289, 3777316.760, 395.41, 3.49, 6.51
** 467434.154, 3777035.822, 393.12, 3.49, 6.51
** ----------------------------------------------------------------------
   LOCATION L0000001     VOLUME   467427.460 3777309.762 395.41
   LOCATION L0000002     VOLUME   467427.802 3777295.766 395.40
   LOCATION L0000003     VOLUME   467428.144 3777281.770 395.39
   LOCATION L0000004     VOLUME   467428.486 3777267.775 395.38
   LOCATION L0000005     VOLUME   467428.828 3777253.779 395.34
   LOCATION L0000006     VOLUME   467429.170 3777239.783 395.16
   LOCATION L0000007     VOLUME   467429.512 3777225.787 395.00
   LOCATION L0000008     VOLUME   467429.854 3777211.791 395.00
   LOCATION L0000009     VOLUME   467430.196 3777197.796 395.00
   LOCATION L0000010     VOLUME   467430.538 3777183.800 394.71
   LOCATION L0000011     VOLUME   467430.880 3777169.804 394.38
   LOCATION L0000012     VOLUME   467431.222 3777155.808 394.19
   LOCATION L0000013     VOLUME   467431.564 3777141.812 394.05
   LOCATION L0000014     VOLUME   467431.906 3777127.816 394.00
   LOCATION L0000015     VOLUME   467432.248 3777113.821 394.00
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   LOCATION L0000016     VOLUME   467432.590 3777099.825 394.00
   LOCATION L0000017     VOLUME   467432.932 3777085.829 394.00
   LOCATION L0000018     VOLUME   467433.274 3777071.833 393.89
   LOCATION L0000019     VOLUME   467433.616 3777057.837 393.51
   LOCATION L0000020     VOLUME   467433.958 3777043.842 393.18
** End of LINE VOLUME Source ID = SLINE19
   LOCATION VOL1         VOLUME     467420.389  3777343.802      395.970
   LOCATION VOL2         VOLUME     466393.599  3778020.851      412.940
   LOCATION VOL3         VOLUME     466370.551  3777971.990      412.550
   LOCATION VOL4         VOLUME     466348.425  3777920.362      412.050
   LOCATION VOL5         VOLUME     466322.611  3777869.656      412.000
   LOCATION VOL6         VOLUME     466302.329  3777818.950      411.920
   LOCATION VOL7         VOLUME     466277.437  3777767.323      413.250
   LOCATION VOL8         VOLUME     466271.905  3777715.695      416.140
   LOCATION VOL9         VOLUME     466294.032  3777664.068      415.570
   LOCATION VOL10        VOLUME     466318.924  3777613.362      414.220
   LOCATION VOL11        VOLUME     466340.128  3777561.734      413.310
   LOCATION VOL12        VOLUME     466357.644  3777511.950      414.020
   LOCATION VOL13        VOLUME     466369.797  3777612.859      410.710
   LOCATION VOL14        VOLUME     466391.001  3777561.231      408.960
   LOCATION VOL15        VOLUME     466408.518  3777511.447      409.130
   LOCATION VOL16        VOLUME     466444.473  3778020.349      412.080
   LOCATION VOL17        VOLUME     466421.425  3777971.487      411.950
   LOCATION VOL18        VOLUME     466399.298  3777919.859      411.120
   LOCATION VOL19        VOLUME     466373.485  3777869.153      411.000
   LOCATION VOL20        VOLUME     466353.202  3777818.448      411.000
   LOCATION VOL21        VOLUME     466328.310  3777766.820      411.000
   LOCATION VOL22        VOLUME     466322.779  3777715.192      412.030
   LOCATION VOL23        VOLUME     466344.905  3777663.565      412.500
   LOCATION VOL24        VOLUME     466420.503  3777609.171      408.000
   LOCATION VOL25        VOLUME     466441.707  3777557.544      407.300
   LOCATION VOL26        VOLUME     466459.223  3777507.760      407.420
   LOCATION VOL28        VOLUME     466472.130  3777967.799      411.000
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   LOCATION VOL30        VOLUME     466424.190  3777865.466      410.260
   LOCATION VOL31        VOLUME     466403.908  3777814.760      410.330
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   LOCATION VOL33        VOLUME     466373.485  3777711.505      410.990
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   LOCATION VOL36        VOLUME     466491.491  3777557.544      406.610
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   LOCATION VOL40        VOLUME     466499.788  3777916.171      410.000
   LOCATION VOL41        VOLUME     466473.974  3777865.466      410.000
   LOCATION VOL42        VOLUME     466453.692  3777814.760      409.540
   LOCATION VOL43        VOLUME     466428.800  3777763.132      408.970
   LOCATION VOL44        VOLUME     466423.268  3777711.505      408.160
   LOCATION VOL45        VOLUME     466445.395  3777659.877      408.000
   LOCATION VOL46        VOLUME     466520.070  3777610.093      406.000
   LOCATION VOL47        VOLUME     466541.274  3777558.465      405.950
   LOCATION VOL48        VOLUME     466558.791  3777508.682      405.370
   LOCATION VOL51        VOLUME     466549.572  3777917.093      410.000
   LOCATION VOL52        VOLUME     466523.758  3777866.388      409.340
   LOCATION VOL53        VOLUME     466503.476  3777815.682      408.720
   LOCATION VOL54        VOLUME     466478.584  3777764.054      408.930
   LOCATION VOL55        VOLUME     466473.052  3777712.427      408.000
   LOCATION VOL56        VOLUME     466495.178  3777660.799      407.000
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   LOCATION VOL58        VOLUME     466592.902  3777556.622      404.230
   LOCATION VOL59        VOLUME     466610.419  3777506.838      404.650
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   LOCATION VOL62        VOLUME     466601.199  3777915.249      409.920
   LOCATION VOL63        VOLUME     466575.386  3777864.544      409.000
   LOCATION VOL64        VOLUME     466555.103  3777813.838      408.290
   LOCATION VOL65        VOLUME     466530.211  3777762.210      408.000
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LOCATION VOL67	VOLUME	466546.806	3777658.955	406.000
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LOCATION VOL71	VOLUME	466574.296	3777679.740	406.000
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LOCATION VOL85	VOLUME	466763.290	3777430.821	402.000
LOCATION VOL86	VOLUME	466748.539	3777483.371	402.590
LOCATION VOL87	VOLUME	466723.647	3777534.998	402.710
LOCATION VOL88	VOLUME	466698.756	3777584.782	401.720
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LOCATION VOL124	VOLUME	466828.939	3777745.725	405.070
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LOCATION VOL126	VOLUME	467017.113	3777366.515	400.060
LOCATION VOL127	VOLUME	467002.795	3777417.240	401.210
LOCATION VOL128	VOLUME	466977.024	3777468.374	402.040
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   LOCATION VOL137       VOLUME     466984.387  3777544.871      402.510
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   LOCATION VOL139       VOLUME     466979.887  3777645.503      402.990
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   LOCATION VOL141       VOLUME     467104.245  3777393.105      399.640
   LOCATION VOL142       VOLUME     467077.246  3777444.239      401.270
   LOCATION VOL143       VOLUME     467049.020  3777494.555      402.000
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   LOCATION VOL145       VOLUME     467034.294  3777594.778      402.150
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** Source Parameters **
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SRCPARAM VOL123       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL124       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL125       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL126       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL127       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL128       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL129       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL130       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL131       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL132       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL133       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL134       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL135       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL136       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL137       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL138       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL139       0.0000637557     5.000    11.793     1.400
SRCPARAM VOL140       0.0000637557     5.000    11.793     1.400
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   SRCPARAM VOL141       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL142       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL143       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL144       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL145       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL146       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL147       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL148       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL149       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL150       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL151       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL152       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL153       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL154       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL155       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL156       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL157       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL158       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL159       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL160       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL161       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL162       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL163       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL164       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL165       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL166       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL167       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL168       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL169       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL170       0.0000637557     5.000    11.793     1.400
   SRCPARAM VOL171       0.0000637557     5.000    11.793     1.400
**
** No Building Downwash **
**
   URBANSRC ALL

** Variable Emissions Type: "By Hour / Day (HRDOW)"
** Variable Emission Scenario: "Scenario 1"
** WeekDays:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000001     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000002     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000003     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000004     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000005     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000006     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000007     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000008     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000009     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000010     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000011     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000012     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000013     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000014     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000015     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000016     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000017     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000018     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000019     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT L0000020     HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000001     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000002     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000003     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000004     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000005     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000006     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000007     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000008     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000009     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000010     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000011     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000012     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000013     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000014     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000015     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT L0000016     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000017     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000018     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000019     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT L0000020     HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL1         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL1         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL2         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL2         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL3         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL3         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL4         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL4         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL4         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   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
   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
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** Sunday:
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL8         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL9         HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL9         HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL10        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL10        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   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:
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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 1.0 1.0 1.0 1.0
   EMISFACT VOL13        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL13        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL14        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL14        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL15        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL15        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL16        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL16        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL17        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL17        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL18        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL18        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL19        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL19        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL20        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL20        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** 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
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   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
** 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
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   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:
   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
   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
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** 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 VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL32        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL32        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:
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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 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
   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 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
   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
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   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
** 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
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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 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 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
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   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
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** 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 VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL58        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL58        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL59        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL59        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL60        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL60        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL62        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL62        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL63        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL63        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL64        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL64        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL65        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL65        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL66        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL66        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL67        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL67        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL68        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL68        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL69        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL69        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL70        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL70        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL71        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL71        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL72        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL72        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL73        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL73        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL74        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL74        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL75        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL75        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL75        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL76        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL76        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL76        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL77        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL77        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL78        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL78        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL79        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL79        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL80        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL80        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL81        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL81        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL82        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL82        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL83        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL83        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL84        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL84        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL85        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL85        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL86        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL86        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL87        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL87        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL88        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL88        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL89        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL89        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL90        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL90        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL90        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL91        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL91        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL91        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL92        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL92        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL93        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL93        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL94        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL94        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL95        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL95        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL96        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL96        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL97        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL97        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL98        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL98        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL99        HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL99        HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL100       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL100       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL101       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL101       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL102       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL102       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL103       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL103       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL104       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL104       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL104       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL105       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL105       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL105       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL106       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL106       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL106       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL107       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL107       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL108       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL108       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL109       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL109       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL110       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL110       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL111       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL111       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL112       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL112       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL113       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL113       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL114       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL114       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL115       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL115       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL116       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL116       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL117       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL117       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL118       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL118       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL118       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL119       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL119       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL119       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL120       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL120       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL120       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL121       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL121       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL121       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL122       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL122       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL123       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL123       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL124       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL124       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL125       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL125       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL126       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL126       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL127       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL127       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL128       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL128       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL129       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL129       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL130       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL130       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL131       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL131       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL131       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL132       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL132       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL132       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL133       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL133       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL133       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL134       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL134       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL134       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL135       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL135       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL135       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL136       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL136       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL136       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL137       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL137       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL138       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL138       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL139       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL139       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL140       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL140       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL141       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL141       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL142       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL142       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL143       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL143       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL143       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL144       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL144       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL145       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL145       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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** Sunday:
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL145       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL146       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL146       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL146       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL147       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL147       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL147       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL148       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL148       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL148       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL149       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL149       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL149       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
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   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL150       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL150       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL150       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL151       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL151       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL151       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL152       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL152       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL153       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL153       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL154       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL154       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL155       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL155       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL156       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL156       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL157       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL157       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL158       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
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   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL158       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL159       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL159       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL160       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL160       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL161       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL161       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL162       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL162       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL162       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL163       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL163       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
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   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL163       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL164       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL164       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL165       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL165       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL166       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL166       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL166       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL167       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL167       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
```

```
** Sunday:
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL167       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL168       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL168       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL168       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL169       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL169       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL169       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL170       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL170       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL170       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** WeekDays:
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL171       HRDOW 0.0 0.0 1.0 1.0 1.0 1.0
   EMISFACT VOL171       HRDOW 1.0 1.0 1.0 1.0 0.0 0.0
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Saturday:
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
** Sunday:
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT VOL171       HRDOW 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
```

```
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "14324 Construction.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
**************************************
**
**
ME STARTING
   SURFFILE FONT_v9.SFC
   PROFFILE FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "14324 CONSTRUCTION.AD\PE00GALL.PLT" 31
   SUMMFILE "14324 Construction.sum"
OU FINISHED


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

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

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


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


    ********   WARNING MESSAGES   ********
 ME W186    3190       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187    3190       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08

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

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

** Model Options Selected:
     * Model Uses Regulatory DEFAULT Options
     * Model Is Setup For Calculation of Average CONCentration Values.
     * NO GAS DEPOSITION Data Provided.
     * NO PARTICLE DEPOSITION Data Provided.
     * Model Uses NO DRY DEPLETION. DDPLETE  =  F
     * Model Uses NO WET DEPLETION. WETDPLT  =  F
     * Stack-tip Downwash.
     * Model Accounts for ELEVated Terrain Effects.
     * Use Calms Processing Routine.
     * Use Missing Data Processing Routine.
     * No Exponential Decay.
     * Model Uses URBAN Dispersion Algorithm for the SBL for   186 Source(s),
       for Total of    1 Urban Area(s):
  Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m
     * Urban Roughness Length of 1.0 Meter Used.
     * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: DPM

**Model Calculates PERIOD Averages Only

**This Run Includes:    186 Source(s);       1 Source Group(s); and     136 Receptor(s)

               with:      0 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:    186 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                and:      0 SWPOINT source(s)


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

**The AERMET Input Meteorological Data Version Date:  16216

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

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

**Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   367.00 ;  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 =      3.7 MB of RAM.

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

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	
L0000001	0	0.53160E-04	467427.5	3777309.8	395.4	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000002	0	0.53160E-04	467427.8	3777295.8	395.4	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000003	0	0.53160E-04	467428.1	3777281.8	395.4	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000004	0	0.53160E-04	467428.5	3777267.8	395.4	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000005	0	0.53160E-04	467428.8	3777253.8	395.3	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000006	0	0.53160E-04	467429.2	3777239.8	395.2	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000007	0	0.53160E-04	467429.5	3777225.8	395.0	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000008	0	0.53160E-04	467429.9	3777211.8	395.0	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000009	0	0.53160E-04	467430.2	3777197.8	395.0	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000010	0	0.53160E-04	467430.5	3777183.8	394.7	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000011	0	0.53160E-04	467430.9	3777169.8	394.4	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000012	0	0.53160E-04	467431.2	3777155.8	394.2	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000013	0	0.53160E-04	467431.6	3777141.8	394.1	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000014	0	0.53160E-04	467431.9	3777127.8	394.0	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000015	0	0.53160E-04	467432.2	3777113.8	394.0	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000016	0	0.53160E-04	467432.6	3777099.8	394.0	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000017	0	0.53160E-04	467432.9	3777085.8	394.0	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000018	0	0.53160E-04	467433.3	3777071.8	393.9	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000019	0	0.53160E-04	467433.6	3777057.8	393.5	3.49	6.51	3.25	
YES	HRDOW	NO							
L0000020	0	0.53160E-04	467434.0	3777043.8	393.2	3.49	6.51	3.25	
YES	HRDOW	NO							
VOL1	0	0.63756E-04	467420.4	3777343.8	396.0	5.00	11.79	1.40	

```
 YES   HRDOW            NO
 VOL2            0   0.63756E-04  466393.6 3778020.9   412.9     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL3            0   0.63756E-04  466370.6 3777972.0   412.6     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL4            0   0.63756E-04  466348.4 3777920.4   412.1     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL5            0   0.63756E-04  466322.6 3777869.7   412.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL6            0   0.63756E-04  466302.3 3777818.9   411.9     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL7            0   0.63756E-04  466277.4 3777767.3   413.2     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL8            0   0.63756E-04  466271.9 3777715.7   416.1     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL9            0   0.63756E-04  466294.0 3777664.1   415.6     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL10           0   0.63756E-04  466318.9 3777613.4   414.2     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL11           0   0.63756E-04  466340.1 3777561.7   413.3     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL12           0   0.63756E-04  466357.6 3777511.9   414.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL13           0   0.63756E-04  466369.8 3777612.9   410.7     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL14           0   0.63756E-04  466391.0 3777561.2   409.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL15           0   0.63756E-04  466408.5 3777511.4   409.1     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL16           0   0.63756E-04  466444.5 3778020.3   412.1     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL17           0   0.63756E-04  466421.4 3777971.5   411.9     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL18           0   0.63756E-04  466399.3 3777919.9   411.1     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL19           0   0.63756E-04  466373.5 3777869.2   411.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL20           0   0.63756E-04  466353.2 3777818.4   411.0     5.00    11.79     1.40
 YES   HRDOW            NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                  *** VOLUME SOURCE DATA ***

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

 VOL21           0   0.63756E-04  466328.3 3777766.8   411.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL22           0   0.63756E-04  466322.8 3777715.2   412.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL23           0   0.63756E-04  466344.9 3777663.6   412.5     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL24           0   0.63756E-04  466420.5 3777609.2   408.0     5.00    11.79     1.40
```

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YES   HRDOW            NO
VOL25            0   0.63756E-04  466441.7 3777557.5   407.3     5.00    11.79     1.40
YES   HRDOW            NO
VOL26            0   0.63756E-04  466459.2 3777507.8   407.4     5.00    11.79     1.40
YES   HRDOW            NO
VOL28            0   0.63756E-04  466472.1 3777967.8   411.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL29            0   0.63756E-04  466450.0 3777916.2   411.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL30            0   0.63756E-04  466424.2 3777865.5   410.3     5.00    11.79     1.40
YES   HRDOW            NO
VOL31            0   0.63756E-04  466403.9 3777814.8   410.3     5.00    11.79     1.40
YES   HRDOW            NO
VOL32            0   0.63756E-04  466379.0 3777763.1   410.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL33            0   0.63756E-04  466373.5 3777711.5   411.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL34            0   0.63756E-04  466395.6 3777659.9   409.6     5.00    11.79     1.40
YES   HRDOW            NO
VOL35            0   0.63756E-04  466470.3 3777609.2   407.3     5.00    11.79     1.40
YES   HRDOW            NO
VOL36            0   0.63756E-04  466491.5 3777557.5   406.6     5.00    11.79     1.40
YES   HRDOW            NO
VOL37            0   0.63756E-04  466509.0 3777507.8   406.6     5.00    11.79     1.40
YES   HRDOW            NO
VOL39            0   0.63756E-04  466521.9 3777967.8   410.9     5.00    11.79     1.40
YES   HRDOW            NO
VOL40            0   0.63756E-04  466499.8 3777916.2   410.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL41            0   0.63756E-04  466474.0 3777865.5   410.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL42            0   0.63756E-04  466453.7 3777814.8   409.5     5.00    11.79     1.40
YES   HRDOW            NO
VOL43            0   0.63756E-04  466428.8 3777763.1   409.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL44            0   0.63756E-04  466423.3 3777711.5   408.2     5.00    11.79     1.40
YES   HRDOW            NO
VOL45            0   0.63756E-04  466445.4 3777659.9   408.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL46            0   0.63756E-04  466520.1 3777610.1   406.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL47            0   0.63756E-04  466541.3 3777558.5   405.9     5.00    11.79     1.40
YES   HRDOW            NO
VOL48            0   0.63756E-04  466558.8 3777508.7   405.4     5.00    11.79     1.40
YES   HRDOW            NO
VOL51            0   0.63756E-04  466549.6 3777917.1   410.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL52            0   0.63756E-04  466523.8 3777866.4   409.3     5.00    11.79     1.40
YES   HRDOW            NO
VOL53            0   0.63756E-04  466503.5 3777815.7   408.7     5.00    11.79     1.40
YES   HRDOW            NO
VOL54            0   0.63756E-04  466478.6 3777764.1   408.9     5.00    11.79     1.40
YES   HRDOW            NO
VOL55            0   0.63756E-04  466473.1 3777712.4   408.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL56            0   0.63756E-04  466495.2 3777660.8   407.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL57            0   0.63756E-04  466571.7 3777608.2   404.9     5.00    11.79     1.40
YES   HRDOW            NO
VOL58            0   0.63756E-04  466592.9 3777556.6   404.2     5.00    11.79     1.40
YES   HRDOW            NO
VOL59            0   0.63756E-04  466610.4 3777506.8   404.7     5.00    11.79     1.40
YES   HRDOW            NO
VOL60            0   0.63756E-04  466661.1 3777476.4   404.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL62            0   0.63756E-04  466601.2 3777915.2   409.9     5.00    11.79     1.40
```

YES HRDOW NO
VOL63 0 0.63756E-04 466575.4 3777864.5 409.0 5.00 11.79 1.40
YES HRDOW NO
VOL64 0 0.63756E-04 466555.1 3777813.8 408.3 5.00 11.79 1.40
YES HRDOW NO
VOL65 0 0.63756E-04 466530.2 3777762.2 408.0 5.00 11.79 1.40
YES HRDOW NO
FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\1432 *** 01/19/24
*** AERMET - VERSION 16216 ***
*** *** 11:43:08

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
VOL66	0	0.63756E-04	466524.7	3777710.6	407.6	5.00	11.79	1.40	YES HRDOW
VOL67	0	0.63756E-04	466546.8	3777659.0	406.0	5.00	11.79	1.40	YES HRDOW
VOL68	0	0.63756E-04	466644.4	3777527.6	403.5	5.00	11.79	1.40	YES HRDOW
VOL69	0	0.63756E-04	466624.1	3777577.4	403.4	5.00	11.79	1.40	YES HRDOW
VOL70	0	0.63756E-04	466597.3	3777628.1	404.5	5.00	11.79	1.40	YES HRDOW
VOL71	0	0.63756E-04	466574.3	3777679.7	406.0	5.00	11.79	1.40	YES HRDOW
VOL72	0	0.63756E-04	466574.3	3777732.3	406.7	5.00	11.79	1.40	YES HRDOW
VOL73	0	0.63756E-04	466580.7	3777781.2	407.8	5.00	11.79	1.40	YES HRDOW
VOL74	0	0.63756E-04	466606.6	3777830.9	408.2	5.00	11.79	1.40	YES HRDOW
VOL75	0	0.63756E-04	466626.8	3777866.0	409.0	5.00	11.79	1.40	YES HRDOW
VOL76	0	0.63756E-04	466711.7	3777449.3	403.0	5.00	11.79	1.40	YES HRDOW
VOL77	0	0.63756E-04	466696.9	3777499.0	403.0	5.00	11.79	1.40	YES HRDOW
VOL78	0	0.63756E-04	466673.9	3777548.8	402.7	5.00	11.79	1.40	YES HRDOW
VOL79	0	0.63756E-04	466648.0	3777598.6	402.4	5.00	11.79	1.40	YES HRDOW
VOL80	0	0.63756E-04	466625.9	3777650.2	404.3	5.00	11.79	1.40	YES HRDOW
VOL81	0	0.63756E-04	466625.9	3777702.8	405.9	5.00	11.79	1.40	YES HRDOW
VOL82	0	0.63756E-04	466625.0	3777751.6	406.5	5.00	11.79	1.40	YES HRDOW
VOL83	0	0.63756E-04	466631.5	3777801.4	408.0	5.00	11.79	1.40	YES HRDOW
VOL84	0	0.63756E-04	466656.3	3777851.2	408.1	5.00	11.79	1.40	YES HRDOW
VOL85	0	0.63756E-04	466763.3	3777430.8	402.0	5.00	11.79	1.40	

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 YES   HRDOW            NO
 VOL86            0   0.63756E-04  466748.5 3777483.4   402.6     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL87            0   0.63756E-04  466723.6 3777535.0   402.7     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL88            0   0.63756E-04  466698.8 3777584.8   401.7     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL89            0   0.63756E-04  466678.5 3777635.5   401.4     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL90            0   0.63756E-04  466676.6 3777688.0   402.5     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL91            0   0.63756E-04  466676.6 3777740.6   405.5     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL92            0   0.63756E-04  466677.6 3777791.3   406.8     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL93            0   0.63756E-04  466678.5 3777839.2   408.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL94            0   0.63756E-04  466813.1 3777418.8   402.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL95            0   0.63756E-04  466798.3 3777469.5   402.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL96            0   0.63756E-04  466772.5 3777521.2   402.9     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL97            0   0.63756E-04  466748.5 3777571.9   401.5     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL98            0   0.63756E-04  466731.0 3777623.5   401.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL99            0   0.63756E-04  466729.2 3777673.3   401.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL100           0   0.63756E-04  466727.3 3777723.1   403.6     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL101           0   0.63756E-04  466726.4 3777773.8   406.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL102           0   0.63756E-04  466726.4 3777822.6   406.9     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL103           0   0.63756E-04  466865.6 3777405.0   402.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL104           0   0.63756E-04  466850.9 3777455.7   402.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL105           0   0.63756E-04  466824.1 3777507.3   402.0     5.00    11.79     1.40
 YES   HRDOW            NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

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

 VOL106           0   0.63756E-04  466799.2 3777556.2   402.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL107           0   0.63756E-04  466780.8 3777606.9   401.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL108           0   0.63756E-04  466780.8 3777656.7   401.0     5.00    11.79     1.40
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YES   HRDOW            NO
VOL109          0   0.63756E-04  466778.0 3777707.4   402.1     5.00    11.79     1.40
YES   HRDOW            NO
VOL110          0   0.63756E-04  466778.0 3777757.2   405.4     5.00    11.79     1.40
YES   HRDOW            NO
VOL111          0   0.63756E-04  466916.3 3777393.9   402.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL112          0   0.63756E-04  466901.6 3777444.6   402.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL113          0   0.63756E-04  466876.7 3777494.4   402.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL114          0   0.63756E-04  466850.0 3777545.1   402.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL115          0   0.63756E-04  466833.4 3777595.8   401.5     5.00    11.79     1.40
YES   HRDOW            NO
VOL116          0   0.63756E-04  466832.4 3777645.6   401.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL117          0   0.63756E-04  466968.0 3777388.4   401.3     5.00    11.79     1.40
YES   HRDOW            NO
VOL118          0   0.63756E-04  466952.1 3777438.1   402.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL119          0   0.63756E-04  466927.5 3777488.4   402.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL120          0   0.63756E-04  466899.7 3777538.3   402.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL121          0   0.63756E-04  466884.2 3777587.4   402.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL122          0   0.63756E-04  466883.3 3777638.1   402.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL123          0   0.63756E-04  466828.9 3777696.2   401.9     5.00    11.79     1.40
YES   HRDOW            NO
VOL124          0   0.63756E-04  466828.9 3777745.7   405.1     5.00    11.79     1.40
YES   HRDOW            NO
VOL125          0   0.63756E-04  466879.3 3777688.9   403.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL126          0   0.63756E-04  467017.1 3777366.5   400.1     5.00    11.79     1.40
YES   HRDOW            NO
VOL127          0   0.63756E-04  467002.8 3777417.2   401.2     5.00    11.79     1.40
YES   HRDOW            NO
VOL128          0   0.63756E-04  466977.0 3777468.4   402.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL129          0   0.63756E-04  466949.6 3777519.1   402.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL130          0   0.63756E-04  466934.1 3777569.4   402.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL131          0   0.63756E-04  466934.1 3777620.1   402.1     5.00    11.79     1.40
YES   HRDOW            NO
VOL132          0   0.63756E-04  466930.4 3777670.5   403.8     5.00    11.79     1.40
YES   HRDOW            NO
VOL133          0   0.63756E-04  467068.2 3777345.7   399.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL134          0   0.63756E-04  467053.9 3777395.6   400.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL135          0   0.63756E-04  467026.9 3777445.5   401.3     5.00    11.79     1.40
YES   HRDOW            NO
VOL136          0   0.63756E-04  466999.1 3777495.0   402.7     5.00    11.79     1.40
YES   HRDOW            NO
VOL137          0   0.63756E-04  466984.4 3777544.9   402.5     5.00    11.79     1.40
YES   HRDOW            NO
VOL138          0   0.63756E-04  466983.6 3777595.6   402.8     5.00    11.79     1.40
YES   HRDOW            NO
VOL139          0   0.63756E-04  466979.9 3777645.5   403.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL140          0   0.63756E-04  467119.0 3777343.6   399.0     5.00    11.79     1.40
YES   HRDOW            NO
VOL141          0   0.63756E-04  467104.2 3777393.1   399.6     5.00    11.79     1.40
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
VOL142	0	0.63756E-04	467077.2	3777444.2	401.3	5.00	11.79	1.40	YES HRDOW
VOL143	0	0.63756E-04	467049.0	3777494.6	402.0	5.00	11.79	1.40	YES HRDOW
VOL144	0	0.63756E-04	467034.3	3777544.5	402.0	5.00	11.79	1.40	YES HRDOW
VOL145	0	0.63756E-04	467034.3	3777594.8	402.2	5.00	11.79	1.40	YES HRDOW
VOL146	0	0.63756E-04	467033.9	3777635.3	402.8	5.00	11.79	1.40	YES HRDOW
VOL147	0	0.63756E-04	467169.7	3777343.6	398.9	5.00	11.79	1.40	YES HRDOW
VOL148	0	0.63756E-04	467155.0	3777393.1	399.5	5.00	11.79	1.40	YES HRDOW
VOL149	0	0.63756E-04	467128.0	3777443.4	402.0	5.00	11.79	1.40	YES HRDOW
VOL150	0	0.63756E-04	467099.3	3777494.1	402.0	5.00	11.79	1.40	YES HRDOW
VOL151	0	0.63756E-04	467083.8	3777544.9	402.0	5.00	11.79	1.40	YES HRDOW
VOL152	0	0.63756E-04	467084.2	3777594.8	402.3	5.00	11.79	1.40	YES HRDOW
VOL153	0	0.63756E-04	467219.2	3777344.4	399.0	5.00	11.79	1.40	YES HRDOW
VOL154	0	0.63756E-04	467205.7	3777394.3	399.0	5.00	11.79	1.40	YES HRDOW
VOL155	0	0.63756E-04	467178.7	3777443.0	400.4	5.00	11.79	1.40	YES HRDOW
VOL156	0	0.63756E-04	467149.7	3777493.3	402.0	5.00	11.79	1.40	YES HRDOW
VOL157	0	0.63756E-04	467134.1	3777544.5	402.0	5.00	11.79	1.40	YES HRDOW
VOL158	0	0.63756E-04	467269.1	3777344.0	399.0	5.00	11.79	1.40	YES HRDOW
VOL159	0	0.63756E-04	467255.2	3777393.9	399.5	5.00	11.79	1.40	YES HRDOW
VOL160	0	0.63756E-04	467229.4	3777443.0	400.0	5.00	11.79	1.40	YES HRDOW
VOL161	0	0.63756E-04	467200.0	3777493.7	401.0	5.00	11.79	1.40	YES HRDOW
VOL162	0	0.63756E-04	467184.0	3777542.8	401.7	5.00	11.79	1.40	YES HRDOW
VOL163	0	0.63756E-04	467319.8	3777344.0	397.9	5.00	11.79	1.40	YES HRDOW
VOL164	0	0.63756E-04	467305.5	3777393.9	398.5	5.00	11.79	1.40	

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 YES   HRDOW            NO
 VOL165          0   0.63756E-04  467280.6 3777443.4   399.5     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL166          0   0.63756E-04  467250.3 3777493.7   400.3     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL167          0   0.63756E-04  467370.1 3777344.0   396.3     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL168          0   0.63756E-04  467356.2 3777394.3   396.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL169          0   0.63756E-04  467331.3 3777444.6   398.4     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL170          0   0.63756E-04  467407.0 3777394.3   396.0     5.00    11.79     1.40
 YES   HRDOW            NO
 VOL171          0   0.63756E-04  467470.4 3777344.8   395.0     5.00    11.79     1.40
 YES   HRDOW            NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                          *** SOURCE IDs DEFINING SOURCE GROUPS ***

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

  ALL        L0000001    , L0000002    , L0000003    , L0000004    , L0000005    , L0000006    ,
  L0000007    , L0000008    ,

             L0000009    , L0000010    , L0000011    , L0000012    , L0000013    , L0000014    ,
             L0000015    , L0000016    ,

             L0000017    , L0000018    , L0000019    , L0000020    , VOL1        , VOL2        ,
             VOL3        , VOL4        ,

             VOL5        , VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
             VOL11       , VOL12       ,

             VOL13       , VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
             VOL19       , VOL20       ,

             VOL21       , VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
             VOL28       , VOL29       ,

             VOL30       , VOL31       , VOL32       , VOL33       , VOL34       , VOL35       ,
             VOL36       , VOL37       ,

             VOL39       , VOL40       , VOL41       , VOL42       , VOL43       , VOL44       ,
             VOL45       , VOL46       ,

             VOL47       , VOL48       , VOL51       , VOL52       , VOL53       , VOL54       ,
             VOL55       , VOL56       ,

             VOL57       , VOL58       , VOL59       , VOL60       , VOL62       , VOL63       ,
             VOL64       , VOL65       ,

             VOL66       , VOL67       , VOL68       , VOL69       , VOL70       , VOL71       ,
             VOL72       , VOL73       ,

             VOL74       , VOL75       , VOL76       , VOL77       , VOL78       , VOL79       ,
             VOL80       , VOL81       ,
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VOL82 , VOL83 , VOL84 , VOL85 , VOL86 , VOL87 ,
VOL88 , VOL89 ,

VOL90 , VOL91 , VOL92 , VOL93 , VOL94 , VOL95 ,
VOL96 , VOL97 ,

VOL98 , VOL99 , VOL100 , VOL101 , VOL102 , VOL103 ,
VOL104 , VOL105 ,

VOL106 , VOL107 , VOL108 , VOL109 , VOL110 , VOL111 ,
VOL112 , VOL113 ,

VOL114 , VOL115 , VOL116 , VOL117 , VOL118 , VOL119 ,
VOL120 , VOL121 ,

VOL122 , VOL123 , VOL124 , VOL125 , VOL126 , VOL127 ,
VOL128 , VOL129 ,

VOL130 , VOL131 , VOL132 , VOL133 , VOL134 , VOL135 ,
VOL136 , VOL137 ,

VOL138 , VOL139 , VOL140 , VOL141 , VOL142 , VOL143 ,
VOL144 , VOL145 ,

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	VOL146 , VOL147 , VOL148 , VOL149 , VOL150 , VOL151 , VOL152 , VOL153 ,
	VOL154 , VOL155 , VOL156 , VOL157 , VOL158 , VOL159 , VOL160 , VOL161 ,
	VOL162 , VOL163 , VOL164 , VOL165 , VOL166 , VOL167 , VOL168 , VOL169 ,
	VOL170 , VOL171 ,

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

URBAN ID	URBAN POP	SOURCE IDs
	2035210.	L0000001 , L0000002 , L0000003 , L0000004 , L0000005 , L0000006 , L0000007 , L0000008 ,

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            L0000009    , L0000010    , L0000011    , L0000012    , L0000013    , L0000014    ,
            L0000015    , L0000016    ,

            L0000017    , L0000018    , L0000019    , L0000020    , VOL1        , VOL2        ,
            VOL3        , VOL4        ,

            VOL5        , VOL6        , VOL7        , VOL8        , VOL9        , VOL10       ,
            VOL11       , VOL12       ,

            VOL13       , VOL14       , VOL15       , VOL16       , VOL17       , VOL18       ,
            VOL19       , VOL20       ,

            VOL21       , VOL22       , VOL23       , VOL24       , VOL25       , VOL26       ,
            VOL28       , VOL29       ,

            VOL30       , VOL31       , VOL32       , VOL33       , VOL34       , VOL35       ,
            VOL36       , VOL37       ,

            VOL39       , VOL40       , VOL41       , VOL42       , VOL43       , VOL44       ,
            VOL45       , VOL46       ,

            VOL47       , VOL48       , VOL51       , VOL52       , VOL53       , VOL54       ,
            VOL55       , VOL56       ,

            VOL57       , VOL58       , VOL59       , VOL60       , VOL62       , VOL63       ,
            VOL64       , VOL65       ,

            VOL66       , VOL67       , VOL68       , VOL69       , VOL70       , VOL71       ,
            VOL72       , VOL73       ,

            VOL74       , VOL75       , VOL76       , VOL77       , VOL78       , VOL79       ,
            VOL80       , VOL81       ,

            VOL82       , VOL83       , VOL84       , VOL85       , VOL86       , VOL87       ,
            VOL88       , VOL89       ,

            VOL90       , VOL91       , VOL92       , VOL93       , VOL94       , VOL95       ,
            VOL96       , VOL97       ,

            VOL98       , VOL99       , VOL100      , VOL101      , VOL102      , VOL103      ,
            VOL104      , VOL105      ,

            VOL106      , VOL107      , VOL108      , VOL109      , VOL110      , VOL111      ,
            VOL112      , VOL113      ,

            VOL114      , VOL115      , VOL116      , VOL117      , VOL118      , VOL119      ,
            VOL120      , VOL121      ,

            VOL122      , VOL123      , VOL124      , VOL125      , VOL126      , VOL127      ,
            VOL128      , VOL129      ,

            VOL130      , VOL131      , VOL132      , VOL133      , VOL134      , VOL135      ,
            VOL136      , VOL137      ,

            VOL138      , VOL139      , VOL140      , VOL141      , VOL142      , VOL143      ,
            VOL144      , VOL145      ,
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       11:43:08

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

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

URBAN ID	URBAN POP	SOURCE IDs
		VOL146 , VOL147 , VOL148 , VOL149 , VOL150 , VOL151 , VOL152 , VOL153 ,
		VOL154 , VOL155 , VOL156 , VOL157 , VOL158 , VOL159 , VOL160 , VOL161 ,
		VOL162 , VOL163 , VOL164 , VOL165 , VOL166 , VOL167 , VOL168 , VOL169 ,
		VOL170 , VOL171 ,

FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\1432 *** 01/19/24
*** AERMET - VERSION 16216 ***
*** *** 11:43:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000001 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	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 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\1432 *** 01/19/24
*** AERMET - VERSION 16216 ***
*** *** 11:43:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = L0000002 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR

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

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

SOURCE ID = L0000004 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01
15	.1000E+01	16	.1000E+01	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SATURDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00
22	.0000E+00	23	.0000E+00	24	.0000E+00								
DAY OF WEEK = SUNDAY													
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00
8	.0000E+00	9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00	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 = L0000005 ; SOURCE TYPE = VOLUME :

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

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

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

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

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

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

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00

DAY OF WEEK = SUNDAY

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

SOURCE ID = L0000008 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

DAY OF WEEK = SATURDAY

DAY OF WEEK = SUNDAY

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

SOURCE ID = L0000009 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

```
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000010     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

```
 SOURCE ID = L0000011     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = L0000012     ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
```

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*** AERMET - VERSION  16216 ***
***                                                                            ***        11:43:08

                     PAGE  23
*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

SOURCE ID = L0000013     ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
*** AERMET - VERSION  16216 ***
***                                                                            ***        11:43:08

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*** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

SOURCE ID = L0000014     ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

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

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

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

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

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

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 = L0000016 ; 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 = L0000017 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = L0000018 ; SOURCE TYPE = VOLUME :

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

- - - - - - - - - - - - - - - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 = L0000019 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- -
- - - - - - - - - - - - - - - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00

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

SOURCE ID = L0000020 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

DAY OF WEEK = SUNDAY

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

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

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

* 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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL6   ; SOURCE TYPE = VOLUME   :
HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
SCALAR   HOUR   SCALAR   HOUR   SCALAR
- -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL7   ; SOURCE TYPE = VOLUME   :

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL8         ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL9 ; 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 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\1432 *** 01/19/24
*** AERMET - VERSION 16216 ***
*** *** 11:43:08

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL10 ; SOURCE TYPE = VOLUME :

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

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


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
 SOURCE ID = 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
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
 SOURCE ID = VOL12        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL13 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

* 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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL15        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

```
                  (HRDOW) *

 SOURCE ID = VOL16        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
```

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

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

 SOURCE ID = VOL17        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
```

* 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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

                 * 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
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL22        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL23        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL24 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

* 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

* 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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = 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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = 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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL32        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

SOURCE ID = 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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL34 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
 SOURCE ID = 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
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
 SOURCE ID = VOL41        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
```

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

* 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

* 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								

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

DAY OF WEEK = SUNDAY

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

DAY OF WEEK = WEEKDAY

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

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


* 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
```


* 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
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***       01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                       ***       11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = 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
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***       01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                       ***       11:43:08
```

* 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	

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

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

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

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

DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00

```
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL58        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL59        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL60 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL62 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL63 ; 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 = VOL64        ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 = VOL65        ; SOURCE TYPE = VOLUME   :
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
```

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL66 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

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

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

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL67 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = VOL68 ; 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 = VOL69 ; 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 = VOL70 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
\- -

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

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

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL71 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

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

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

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL72 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

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

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

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .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 = VOL73 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = VOL74 ; SOURCE TYPE = VOLUME :

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

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


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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL75        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                             DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
```


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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL76        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                             DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
```

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL77 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL78 ; SOURCE TYPE = VOLUME :

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL79        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL80 ; 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 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\1432 *** 01/19/24

*** AERMET - VERSION 16216 ***

*** *** 11:43:08

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL81 ; SOURCE TYPE = VOLUME :

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

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

 SOURCE ID = VOL82   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
 - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6
    .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
    .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
   .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6
    .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
    .0000E+00   15 .0000E+00   16 .0000E+00
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
   .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6
    .0000E+00   7 .0000E+00   8 .0000E+00
    9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
    .0000E+00   15 .0000E+00   16 .0000E+00
   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 = VOL83   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
 - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6
    .0000E+00   7 .0000E+00   8 .0000E+00
    9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
    .1000E+01   15 .1000E+01   16 .1000E+01
   17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
   .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
    1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL84 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL85 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

```
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL86        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                          ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

(HRDOW) *

SOURCE ID = VOL87 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- -
- - - - - - - - - - - - - - - - -

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

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

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL88 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- -
- - - - - - - - - - - - - - - - -

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

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

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL89 ; 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 = VOL90 ; 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 = VOL91 ; SOURCE TYPE = VOLUME :

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

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

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL92 ; SOURCE TYPE = VOLUME :

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

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

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
 SOURCE ID = VOL93        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
```

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

```
 SOURCE ID = VOL94        ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

- -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL95 ; SOURCE TYPE = VOLUME :

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

- -

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL96 ; 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 = VOL97 ; 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 = VOL98 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL99 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

```
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL100       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL101       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
```

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

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

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL102 ; 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 = VOL103       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL104       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
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* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW) *

SOURCE ID = VOL105 ; 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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

SOURCE ID = VOL106 ; 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

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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			

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

SOURCE ID = VOL107 ; 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 = VOL108 ; 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 = VOL109 ; 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 = VOL110 ; 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 = VOL111 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = VOL112 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL113 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL114 ; 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 = VOL115 ; 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 = VOL116 ; 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 = VOL117 ; 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

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

```
 SOURCE ID = VOL118       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                               DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 = VOL119       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
```

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL120 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14 .1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22 .0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL121 ; 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 = VOL122 ; 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 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\1432 *** 01/19/24
*** AERMET - VERSION 16216 ***
*** *** 11:43:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL123 ; 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 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\1432 *** 01/19/24
*** AERMET - VERSION 16216 ***
*** *** 11:43:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL124 ; 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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL125       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL126       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

```
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL127       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

SOURCE ID = VOL128 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = VOL129 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.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 ***
 ***                                                                        ***       11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL130       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                        ***       11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL131       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .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 = VOL132   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
  1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6
  .0000E+00   7 .0000E+00   8 .0000E+00
  9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
  .1000E+01   15 .1000E+01   16 .1000E+01
 17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
  .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SATURDAY
  1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6
  .0000E+00   7 .0000E+00   8 .0000E+00
  9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
  .0000E+00   15 .0000E+00   16 .0000E+00
 17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
  .0000E+00   23 .0000E+00   24 .0000E+00
                                          DAY OF WEEK = SUNDAY
  1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6
  .0000E+00   7 .0000E+00   8 .0000E+00
  9 .0000E+00   10 .0000E+00   11 .0000E+00   12 .0000E+00   13 .0000E+00   14
  .0000E+00   15 .0000E+00   16 .0000E+00
 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 = VOL133   ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 -
 - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
  1 .0000E+00   2 .0000E+00   3 .0000E+00   4 .0000E+00   5 .0000E+00   6
  .0000E+00   7 .0000E+00   8 .0000E+00
  9 .1000E+01   10 .1000E+01   11 .1000E+01   12 .1000E+01   13 .1000E+01   14
  .1000E+01   15 .1000E+01   16 .1000E+01
 17 .0000E+00   18 .0000E+00   19 .0000E+00   20 .0000E+00   21 .0000E+00   22
  .0000E+00   23 .0000E+00   24 .0000E+00

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00
7	.0000E+00	8	.0000E+00								
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00
15	.0000E+00	16	.0000E+00								
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 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\1432 *** 01/19/24
*** AERMET - VERSION 16216 ***
*** *** 11:43:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL134 ; 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 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\1432 *** 01/19/24
*** AERMET - VERSION 16216 ***
*** *** 11:43:08

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL135 ; 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 = VOL136 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL137 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

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

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

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL138 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR
- -

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

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

DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6 .0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14 .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 = VOL139 ; SOURCE TYPE = VOLUME :

HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR	HOUR	SCALAR
DAY OF WEEK = WEEKDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.1000E+01	10	.1000E+01	11	.1000E+01	12	.1000E+01	13	.1000E+01	14	.1000E+01	15	.1000E+01	16	.1000E+01
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SATURDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
17	.0000E+00	18	.0000E+00	19	.0000E+00	20	.0000E+00	21	.0000E+00	22	.0000E+00	23	.0000E+00	24	.0000E+00
DAY OF WEEK = SUNDAY															
1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = VOL140 ; SOURCE TYPE = VOLUME :

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

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

DAY OF WEEK = SUNDAY

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

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

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 = VOL141 ; 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 = VOL142 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

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

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



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

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

 SOURCE ID = VOL143       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
```



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

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

 SOURCE ID = VOL144       ; SOURCE TYPE = VOLUME   :
```

```
 HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
 SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL145       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL146 ; 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 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\1432 *** 01/19/24
*** AERMET - VERSION 16216 ***
*** *** 11:43:08

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

SOURCE ID = VOL147 ; 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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08

                      PAGE 173
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL148       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08

                      PAGE 174
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL149       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
```

.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL150 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL151 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- -
DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL152 ; 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 = VOL153 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- -
- - - - - - - - - - - - - - - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL154 ; SOURCE TYPE = VOLUME :
HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR SCALAR HOUR
SCALAR HOUR SCALAR HOUR SCALAR
- -
- - - - - - - - - - - - - - - - - -
DAY OF WEEK = WEEKDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .1000E+01 10 .1000E+01 11 .1000E+01 12 .1000E+01 13 .1000E+01 14
.1000E+01 15 .1000E+01 16 .1000E+01
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SATURDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
17 .0000E+00 18 .0000E+00 19 .0000E+00 20 .0000E+00 21 .0000E+00 22
.0000E+00 23 .0000E+00 24 .0000E+00
DAY OF WEEK = SUNDAY
1 .0000E+00 2 .0000E+00 3 .0000E+00 4 .0000E+00 5 .0000E+00 6
.0000E+00 7 .0000E+00 8 .0000E+00
9 .0000E+00 10 .0000E+00 11 .0000E+00 12 .0000E+00 13 .0000E+00 14
.0000E+00 15 .0000E+00 16 .0000E+00
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 = VOL155 ; 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 = VOL156 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

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

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

 SOURCE ID = VOL157       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                                DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 = VOL158       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                                DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
```

```
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL159       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL160       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
```

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


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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL161       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - 
- - - - - - - - - - - - - - - - - -
                                            DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                            DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 = VOL162 ; 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 = VOL163 ; 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 = VOL164 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

1	.0000E+00	2	.0000E+00	3	.0000E+00	4	.0000E+00	5	.0000E+00	6	.0000E+00	7	.0000E+00	8	.0000E+00
9	.0000E+00	10	.0000E+00	11	.0000E+00	12	.0000E+00	13	.0000E+00	14	.0000E+00	15	.0000E+00	16	.0000E+00
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 = VOL165 ; SOURCE TYPE = VOLUME :

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

DAY OF WEEK = WEEKDAY

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

DAY OF WEEK = SATURDAY

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

```
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL166       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
   .1000E+01   15  .1000E+01   16  .1000E+01
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SATURDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
  .0000E+00   23  .0000E+00   24  .0000E+00
                                          DAY OF WEEK = SUNDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
   9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
   .0000E+00   15  .0000E+00   16  .0000E+00
  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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL167       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                          DAY OF WEEK = WEEKDAY
   1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
   .0000E+00    7  .0000E+00    8  .0000E+00
```

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



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

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

 SOURCE ID = VOL168       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - -
                                               DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                               DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
```



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

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

```
 SOURCE ID = VOL169       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        11:43:08

                      PAGE 195
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

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

 SOURCE ID = VOL170       ; SOURCE TYPE = VOLUME   :
  HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR   SCALAR   HOUR
  SCALAR   HOUR   SCALAR   HOUR   SCALAR
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - -
                                              DAY OF WEEK = WEEKDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .1000E+01   10  .1000E+01   11  .1000E+01   12  .1000E+01   13  .1000E+01   14
    .1000E+01   15  .1000E+01   16  .1000E+01
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SATURDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   17  .0000E+00   18  .0000E+00   19  .0000E+00   20  .0000E+00   21  .0000E+00   22
   .0000E+00   23  .0000E+00   24  .0000E+00
                                              DAY OF WEEK = SUNDAY
    1  .0000E+00    2  .0000E+00    3  .0000E+00    4  .0000E+00    5  .0000E+00    6
    .0000E+00    7  .0000E+00    8  .0000E+00
    9  .0000E+00   10  .0000E+00   11  .0000E+00   12  .0000E+00   13  .0000E+00   14
    .0000E+00   15  .0000E+00   16  .0000E+00
   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 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
```

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

SOURCE ID = VOL171 ; 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								

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

(466235.5, 3777488.7, 425.1, 1639.0, 0.0); (466229.9, 3777556.6, 425.3, 1639.0, 0.0);
(466229.2, 3777575.8, 425.6, 1639.0, 0.0); (466228.5, 3777604.3, 426.1, 1639.0, 0.0);
(466229.4, 3777625.9, 426.1, 1639.0, 0.0); (466228.5, 3777654.2, 425.8, 1639.0, 0.0);
(466218.9, 3777693.8, 425.5, 1639.0, 0.0); (466196.2, 3777721.9, 425.7, 1639.0, 0.0);
(466169.2, 3777745.6, 426.0, 1639.0, 0.0); (466153.7, 3777858.5, 423.7, 1642.0, 0.0);
(466114.7, 3777944.8, 423.2, 1642.0, 0.0); (468136.0, 3778118.8, 404.2, 1659.0, 0.0);
(468118.4, 3777969.6, 402.0, 1659.0, 0.0); (468118.8, 3778010.8, 403.0, 1659.0, 0.0);
(468118.2, 3777950.1, 402.0, 1659.0, 0.0); (468117.0, 3777902.9, 400.6, 1659.0, 0.0);
(468117.6, 3777885.0, 400.0, 1659.0, 0.0); (468118.0, 3777861.1, 400.0, 1659.0, 0.0);
(468117.8, 3777833.6, 399.6, 1659.0, 0.0); (468118.0, 3777812.7, 399.2, 1659.0, 0.0);

(468118.0, 3777792.6, 398.9, 1659.0, 0.0); (468119.2, 3777768.9, 398.1, 1659.0, 0.0);
(468121.4, 3777745.6, 398.0, 1659.0, 0.0); (468123.8, 3777726.1, 397.7, 1659.0, 0.0);
(468126.8, 3777705.4, 397.0, 1659.0, 0.0); (468130.2, 3777687.1, 397.0, 1659.0, 0.0);
(468133.4, 3777667.0, 396.7, 1659.0, 0.0); (468138.1, 3777648.1, 396.1, 1659.0, 0.0);
(468143.3, 3777628.8, 396.0, 1659.0, 0.0); (468147.9, 3777610.8, 395.8, 1659.0, 0.0);
(468154.3, 3777592.1, 395.2, 1659.0, 0.0); (468160.6, 3777573.6, 394.6, 1659.0, 0.0);
(468166.2, 3777556.9, 394.0, 1659.0, 0.0); (468172.8, 3777539.0, 394.0, 1659.0, 0.0);
(468181.5, 3777519.3, 393.8, 1659.0, 0.0); (468209.1, 3777471.1, 393.0, 1659.0, 0.0);
(468286.1, 3777417.9, 391.4, 1659.0, 0.0); (468311.5, 3777387.2, 391.0, 1659.0, 0.0);
(468282.2, 3777328.9, 390.0, 1659.0, 0.0); (468504.8, 3777051.9, 384.1, 1659.0, 0.0);
(468532.8, 3777051.9, 384.0, 1659.0, 0.0); (468550.4, 3777053.1, 384.0, 1659.0, 0.0);
(468475.6, 3776950.9, 382.8, 1659.0, 0.0); (468517.3, 3776886.7, 382.0, 1659.0, 0.0);
(468543.5, 3776842.9, 381.1, 1659.0, 0.0); (468611.5, 3776737.9, 379.0, 1659.0, 0.0);
(468613.5, 3776716.4, 378.9, 1659.0, 0.0); (466309.9, 3777267.3, 422.7, 1639.0, 0.0);
(466345.0, 3777266.3, 420.3, 1639.0, 0.0); (466383.5, 3777267.3, 415.8, 1639.0, 0.0);
(466426.0, 3777271.5, 414.7, 1639.0, 0.0); (466476.6, 3777271.8, 413.2, 1639.0, 0.0);
(466523.0, 3777261.5, 411.3, 1639.0, 0.0); (466546.6, 3777244.3, 410.7, 1639.0, 0.0);
(466569.7, 3777227.8, 409.8, 1639.0, 0.0); (466597.9, 3777227.4, 406.2, 1639.0, 0.0);
(466675.4, 3777213.8, 404.7, 1639.0, 0.0); (466270.4, 3777237.2, 423.4, 1639.0, 0.0);
(466222.4, 3777481.7, 425.6, 1639.0, 0.0); (466100.3, 3777410.6, 426.7, 1639.0, 0.0);
(467912.0, 3778321.8, 409.0, 1659.0, 0.0); (467839.2, 3778381.6, 410.5, 1659.0, 0.0);
(467810.4, 3778405.8, 411.2, 1659.0, 0.0); (467732.1, 3778488.5, 413.1, 1659.0, 0.0);
(467690.3, 3778560.9, 414.8, 1659.0, 0.0); (467108.1, 3778935.2, 424.1, 1659.0, 0.0);
(467267.3, 3778933.1, 423.9, 1659.0, 0.0); (467153.2, 3778934.0, 424.0, 1659.0, 0.0);
(467089.9, 3778947.0, 424.8, 1659.0, 0.0); (466364.4, 3778207.4, 416.6, 1642.0, 0.0);
(466308.3, 3778210.5, 416.9, 1642.0, 0.0); (466254.5, 3778207.4, 417.4, 1642.0, 0.0);
(466165.2, 3778177.8, 418.4, 1642.0, 0.0); (466196.9, 3778199.4, 418.2, 1642.0, 0.0);
(466371.8, 3778321.5, 418.3, 1642.0, 0.0); (466149.4, 3777766.7, 426.1, 1639.0, 0.0);
(466129.9, 3777781.3, 427.3, 1639.0, 0.0); (466110.8, 3777799.4, 427.7, 1642.0, 0.0);
(466091.0, 3777818.6, 427.0, 1642.0, 0.0); (466072.5, 3777837.4, 427.9, 1642.0, 0.0);
(466053.6, 3777852.0, 428.6, 1642.0, 0.0); (466031.6, 3777868.2, 429.1, 1642.0, 0.0);
(466012.4, 3777882.5, 429.9, 1642.0, 0.0); (465993.6, 3777897.8, 431.1, 1642.0, 0.0);
(466110.4, 3777872.5, 424.5, 1642.0, 0.0); (466179.3, 3777199.2, 423.1, 1639.0, 0.0);

(466917.6, 3777208.2, 400.0, 1639.0, 0.0); (467023.8, 3777167.0, 396.9, 1639.0, 0.0);
(466796.1, 3777206.1, 402.0, 1639.0, 0.0); (466946.3, 3776262.0, 406.4, 406.4, 0.0);

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

(467026.8, 3776215.2, 405.0, 405.0, 0.0); (466901.7, 3776272.2, 407.2, 407.2, 0.0);
(466407.3, 3776462.4, 412.7, 412.7, 0.0); (466346.6, 3776460.2, 413.2, 413.2, 0.0);
(466275.6, 3776460.2, 413.5, 413.5, 0.0); (466002.1, 3776630.7, 418.1, 418.1, 0.0);
(466007.2, 3776553.1, 417.0, 417.0, 0.0); (465424.9, 3776849.6, 427.0, 427.0, 0.0);
(465410.4, 3776795.4, 426.0, 426.0, 0.0); (465379.8, 3776717.9, 425.0, 425.0, 0.0);
(465400.1, 3776879.8, 427.4, 427.4, 0.0); (465130.9, 3777882.1, 442.9, 1639.0, 0.0);
(465100.0, 3777897.0, 443.0, 1639.0, 0.0); (465091.6, 3777918.0, 443.3, 1639.0, 0.0);
(465058.3, 3777940.9, 444.0, 1639.0, 0.0); (465030.1, 3777962.3, 444.3, 1639.0, 0.0);
(465002.2, 3777986.4, 445.1, 1639.0, 0.0); (464411.7, 3778008.7, 450.9, 450.9, 0.0);
(464414.5, 3777952.1, 450.8, 450.8, 0.0); (464413.4, 3777896.9, 449.9, 449.9, 0.0);
(469504.0, 3776211.0, 366.2, 1659.0, 0.0); (469479.2, 3776194.1, 366.0, 1659.0, 0.0);
(468902.4, 3776577.4, 374.4, 1659.0, 0.0); (468743.8, 3776517.6, 375.4, 1659.0, 0.0);
(468781.5, 3776457.4, 374.6, 1659.0, 0.0); (468009.9, 3776659.8, 383.0, 1639.0, 0.0);
(467965.5, 3776647.6, 383.3, 1639.0, 0.0); (467919.0, 3776639.7, 384.0, 1639.0, 0.0);
(466991.0, 3776774.6, 406.0, 1639.0, 0.0); (467008.1, 3776747.1, 405.3, 1639.0, 0.0);
(467009.9, 3776722.9, 407.9, 1639.0, 0.0); (467032.8, 3776695.4, 407.9, 1639.0, 0.0);
(467082.7, 3776656.3, 405.6, 1639.0, 0.0); (467227.0, 3776550.3, 393.4, 1639.0, 0.0);
(467158.7, 3776521.0, 403.3, 1639.0, 0.0); (467246.8, 3776452.3, 399.1, 1639.0, 0.0);
(467293.5, 3776412.3, 396.7, 1639.0, 0.0); (467337.1, 3776365.5, 395.3, 1639.0, 0.0);
(467395.1, 3776308.0, 394.0, 1639.0, 0.0); (466106.5, 3778055.6, 421.9, 1642.0, 0.0);
(466146.1, 3778018.3, 418.9, 1642.0, 0.0); (466218.7, 3777730.9, 423.2, 1639.0, 0.0);
(466214.2, 3777756.5, 422.1, 1642.0, 0.0); (466214.8, 3777784.8, 420.7, 1642.0, 0.0);
(466182.0, 3777810.1, 423.8, 1642.0, 0.0); (466149.9, 3777834.2, 424.7, 1642.0, 0.0);

*** 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:
FONT_v9.SFC Met
Version: 16216
Profile file:
FONT_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.: 3102 Upper air station no.: 3190
Name: UNKNOWN Name:
UNKNOWN
Year: 2011 Year: 2011

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
11	01	01	1	01	-18.5	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	69.	9.1	276.4	5.5

```
 11 01 01   1 02  -23.8  0.239 -9.000 -9.000 -999.  281.     63.0  0.25   2.82   1.00    2.20
 52.    9.1  275.4    5.5
 11 01 01   1 03  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82   1.00    1.80
 32.    9.1  275.4    5.5
 11 01 01   1 04   -1.4  0.067 -9.000 -9.000 -999.   57.     18.3  0.25   2.82   1.00    0.40
 27.    9.1  274.2    5.5
 11 01 01   1 05  -18.6  0.194 -9.000 -9.000 -999.  204.     41.2  0.25   2.82   1.00    1.80
 51.    9.1  274.2    5.5
 11 01 01   1 06  -29.7  0.296 -9.000 -9.000 -999.  387.     96.6  0.25   2.82   1.00    2.70
 53.    9.1  274.2    5.5
 11 01 01   1 07  -24.0  0.239 -9.000 -9.000 -999.  282.     63.0  0.25   2.82   1.00    2.20
 70.    9.1  274.2    5.5
 11 01 01   1 08   -8.4  0.138 -9.000 -9.000 -999.  127.     27.3  0.25   2.82   0.54    1.30
 72.    9.1  275.4    5.5
 11 01 01   1 09   44.3  0.280  0.571  0.005  147.  356.    -43.5  0.25   2.82   0.32    2.20
 67.    9.1  277.5    5.5
 11 01 01   1 10  122.7  0.264  0.952  0.005  247.  326.    -13.2  0.25   2.82   0.25    1.80
 83.    9.1  279.9    5.5
 11 01 01   1 11  179.8  0.316  1.733  0.005 1017.  426.    -15.4  0.25   2.82   0.22    2.20
 58.    9.1  282.0    5.5
 11 01 01   1 12  206.0  0.320  1.940  0.008 1244.  435.    -14.0  0.25   2.82   0.21    2.20
 115.    9.1  283.1    5.5
 11 01 01   1 13  132.6  0.214  1.733  0.009 1377.  243.     -6.5  0.25   2.82   0.21    1.30
 147.    9.1  284.2    5.5
 11 01 01   1 14  147.0  0.216  1.818  0.009 1431.  242.     -6.0  0.25   2.82   0.23    1.30
 219.    9.1  284.9    5.5
 11 01 01   1 15  104.0  0.208  1.633  0.009 1468.  228.     -7.6  0.25   2.82   0.26    1.30
 126.    9.1  285.4    5.5
 11 01 01   1 16   26.4  0.140  1.037  0.009 1477.  127.     -9.1  0.25   2.82   0.35    0.90
 151.    9.1  284.9    5.5
 11 01 01   1 17   -9.0  0.137 -9.000 -9.000 -999.  121.     24.9  0.25   2.82   0.63    1.30
 69.    9.1  283.1    5.5
 11 01 01   1 18  -33.4  0.342 -9.000 -9.000 -999.  481.    129.0  0.25   2.82   1.00    3.10
 81.    9.1  281.4    5.5
 11 01 01   1 19  -33.6  0.342 -9.000 -9.000 -999.  481.    128.9  0.25   2.82   1.00    3.10
 51.    9.1  279.9    5.5
 11 01 01   1 20  -23.6  0.239 -9.000 -9.000 -999.  287.     63.1  0.25   2.82   1.00    2.20
 77.    9.1  278.8    5.5
 11 01 01   1 21  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82   1.00    1.80
 53.    9.1  277.5    5.5
 11 01 01   1 22  -23.7  0.239 -9.000 -9.000 -999.  281.     63.0  0.25   2.82   1.00    2.20
 58.    9.1  277.5    5.5
 11 01 01   1 23  -18.5  0.194 -9.000 -9.000 -999.  205.     41.2  0.25   2.82   1.00    1.80
 64.    9.1  277.5    5.5
 11 01 01   1 24   -4.5  0.094 -9.000 -9.000 -999.   74.     16.3  0.25   2.82   1.00    0.90
 52.    9.1  277.0    5.5


 First hour of profile data
 YR MO DY HR HEIGHT F  WDIR    WSPD AMB_TMP sigmaA  sigmaW  sigmaV
 11 01 01 01    5.5 0 -999.  -99.00   276.5   99.0  -99.00  -99.00
 11 01 01 01    9.1 1   69.    1.80  -999.0   99.0  -99.00  -99.00

 F indicates top of profile (=1) or below (=0)
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       11:43:08

                      PAGE 201
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

                           *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION   VALUES FOR
                           SOURCE GROUP: ALL      ***
                               INCLUDING SOURCE(S):     L0000001    , L0000002    ,
                               L0000003    , L0000004    , L0000005    ,
```

L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,
L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 ,
L0000019 , L0000020 , VOL1 ,
VOL2 , VOL3 , VOL4 , VOL5 , VOL6 ,
VOL7 , VOL8 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466235.51	3777488.67	0.00207	466229.89	3777556.58	0.00257
466229.19	3777575.78	0.00273	466228.48	3777604.35	0.00300
466229.42	3777625.89	0.00329	466228.48	3777654.23	0.00365
466218.88	3777693.80	0.00365	466196.17	3777721.90	0.00269
466169.24	3777745.56	0.00195	466153.71	3777858.47	0.00139
466114.69	3777944.80	0.00089	468136.04	3778118.84	0.00062
468118.43	3777969.61	0.00069	468118.83	3778010.83	0.00068
468118.23	3777950.10	0.00070	468117.04	3777902.92	0.00071
468117.63	3777885.00	0.00072	468118.03	3777861.10	0.00072
468117.83	3777833.63	0.00073	468118.03	3777812.72	0.00073
468118.03	3777792.61	0.00073	468119.23	3777768.92	0.00074
468121.42	3777745.63	0.00074	468123.80	3777726.12	0.00073
468126.79	3777705.41	0.00073	468130.18	3777687.09	0.00072
468133.36	3777666.98	0.00072	468138.14	3777648.07	0.00071
468143.32	3777628.76	0.00070	468147.90	3777610.84	0.00069
468154.27	3777592.12	0.00067	468160.64	3777573.60	0.00066
468166.21	3777556.88	0.00065	468172.78	3777538.96	0.00063
468181.45	3777519.32	0.00061	468209.09	3777471.07	0.00055
468286.15	3777417.90	0.00045	468311.45	3777387.21	0.00041
468282.17	3777328.89	0.00040	468504.85	3777051.89	0.00019
468532.83	3777051.89	0.00019	468550.44	3777053.15	0.00018
468475.65	3776950.91	0.00017	468517.27	3776886.69	0.00015
468543.45	3776842.87	0.00014	468611.52	3776737.86	0.00012
468613.45	3776716.37	0.00012	466309.93	3777267.31	0.00112
466344.95	3777266.34	0.00119	466383.54	3777267.31	0.00130

466426.02	3777271.53	0.00142	466476.60	
3777271.85	0.00153			
466522.97	3777261.48	0.00158	466546.65	
3777244.29	0.00152			
466569.67	3777227.75	0.00147	466597.88	
3777227.43	0.00156			
466675.38	3777213.81	0.00163	466270.37	
3777237.16	0.00095			
466222.39	3777481.67	0.00185	466100.28	
3777410.56	0.00087			
467911.95	3778321.82	0.00063	467839.16	
3778381.65	0.00062			
467810.40	3778405.77	0.00061	467732.08	
3778488.51	0.00057			
467690.35	3778560.93	0.00052	467108.13	
3778935.22	0.00026			
467267.35	3778933.09	0.00028	467153.23	
3778933.99	0.00027			
467089.86	3778946.96	0.00025	466364.36	
3778207.36	0.00095			
466308.35	3778210.53	0.00079	466254.46	
3778207.36	0.00069			
466165.16	3778177.77	0.00058	466196.86	
3778199.44	0.00059			
466371.75	3778321.49	0.00057	466149.36	
3777766.67	0.00158			
466129.89	3777781.27	0.00131	466110.75	
3777799.45	0.00112			
466090.95	3777818.59	0.00097	466072.45	
3777837.41	0.00085			

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0000001 , L0000002 , L0000003 , L0000004 , L0000005 ,
L0000006 , L0000007 , L0000008 , L0000009 , L0000010 ,
L0000011 , L0000012 , L0000013 ,
L0000014 , L0000015 , L0000016 , L0000017 , L0000018 ,
L0000019 , L0000020 , VOL1 ,
VOL2 , VOL3 , VOL4 , VOL5 , VOL6 ,
VOL7 , VOL8 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466053.63	3777852.02	0.00075	466031.57		
3777868.24	0.00067				
466012.42	3777882.52	0.00060	465993.60		
3777897.77	0.00055				
466110.42	3777872.46	0.00101	466179.35		
3777199.21	0.00073				
466917.60	3777208.20	0.00214	467023.82		
3777166.98	0.00187				

466796.06	3777206.08	0.00184	466946.35
3776262.01	0.00019		
467026.80	3776215.20	0.00018	466901.73
3776272.25	0.00020		
466407.28	3776462.43	0.00025	466346.57
3776460.23	0.00025		
466275.62	3776460.23	0.00025	466002.06
3776630.66	0.00027		
466007.18	3776553.12	0.00025	465424.89
3776849.60	0.00016		
465410.38	3776795.38	0.00016	465379.83
3776717.87	0.00015		
465400.07	3776879.77	0.00016	465130.91
3777882.10	0.00012		
465099.98	3777897.00	0.00012	465091.58
3777918.00	0.00011		
465058.35	3777940.91	0.00011	465030.09
3777962.30	0.00011		
465002.21	3777986.36	0.00011	464411.74
3778008.66	0.00007		
464414.50	3777952.09	0.00007	464413.40
3777896.90	0.00007		
469504.05	3776211.02	0.00006	469479.21
3776194.10	0.00007		
468902.44	3776577.39	0.00010	468743.80
3776517.62	0.00010		
468781.55	3776457.40	0.00009	468009.93
3776659.75	0.00018		
467965.51	3776647.59	0.00018	467918.97
3776639.66	0.00019		
466991.01	3776774.56	0.00047	467008.09
3776747.14	0.00045		
467009.89	3776722.87	0.00042	467032.81
3776695.45	0.00040		
467082.71	3776656.35	0.00038	467226.99
3776550.27	0.00029		
467158.67	3776521.05	0.00028	467246.77
3776452.28	0.00024		
467293.52	3776412.27	0.00021	467337.12
3776365.52	0.00019		
467395.11	3776307.99	0.00017	466106.52
3778055.62	0.00066		
466146.08	3778018.31	0.00089	466218.73
3777730.88	0.00390		
466214.18	3777756.54	0.00351	466214.83
3777784.80	0.00333		
466182.03	3777810.14	0.00200	466149.87
3777834.17	0.00142		

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS ***

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

NETWORK GROUP ID	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL,

```
ZFLAG)  OF TYPE  GRID-ID
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- - - - - - - - - - - - -

ALL       1ST HIGHEST VALUE IS       0.00390 AT (  466218.73,  3777730.88,   423.17,
1639.00,     0.00)  DC
          2ND HIGHEST VALUE IS       0.00365 AT (  466228.48,  3777654.23,   425.76,
          1639.00,    0.00)  DC
          3RD HIGHEST VALUE IS       0.00365 AT (  466218.88,  3777693.80,   425.46,
          1639.00,    0.00)  DC
          4TH HIGHEST VALUE IS       0.00351 AT (  466214.18,  3777756.54,   422.07,
          1642.00,    0.00)  DC
          5TH HIGHEST VALUE IS       0.00333 AT (  466214.83,  3777784.80,   420.72,
          1642.00,    0.00)  DC
          6TH HIGHEST VALUE IS       0.00329 AT (  466229.42,  3777625.89,   426.14,
          1639.00,    0.00)  DC
          7TH HIGHEST VALUE IS       0.00300 AT (  466228.48,  3777604.35,   426.13,
          1639.00,    0.00)  DC
          8TH HIGHEST VALUE IS       0.00273 AT (  466229.19,  3777575.78,   425.59,
          1639.00,    0.00)  DC
          9TH HIGHEST VALUE IS       0.00269 AT (  466196.17,  3777721.90,   425.65,
          1639.00,    0.00)  DC
         10TH HIGHEST VALUE IS       0.00257 AT (  466229.89,  3777556.58,   425.34,
         1639.00,    0.00)  DC


 *** RECEPTOR TYPES:  GC = GRIDCART
                      GP = GRIDPOLR
                      DC = DISCCART
                      DP = DISCPOLR
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/19/24
 *** AERMET - VERSION  16216 ***
 ***                                                                      ***        11:43:08

                      PAGE 204
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*

 *** Message Summary : AERMOD Model Execution ***

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

 A Total of            0 Fatal Error Message(s)
 A Total of            7 Warning Message(s)
 A Total of          838 Informational Message(s)

 A Total of        43848 Hours Were Processed

 A Total of           40 Calm Hours Identified

 A Total of          798 Missing Hours Identified (  1.82 Percent)


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


    ********   WARNING MESSAGES   ********
 ME W186    3190       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
 ME W187    3190       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
 MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12010216
 MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12042516
 MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =                    12113003
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:      15010101
 MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:    1 year gap
```

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

```
** Lakes Environmental AERMOD MPI
**
**************************************
**
** AERMOD Input Produced by:
** AERMOD View Ver. 12.0.0
** Lakes Environmental Software Inc.
** Date: 1/26/2024
** File: C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\14324 Ops.ADI
**
**************************************
**
**
**************************************
** AERMOD Control Pathway
**************************************
**
**
CO STARTING
   TITLEONE C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\1432
   MODELOPT DFAULT CONC
   AVERTIME PERIOD
   URBANOPT 2035210 San_Bernardino_County
   POLLUTID DPM
   RUNORNOT RUN
   ERRORFIL "14324 Ops.err"
CO FINISHED
**
**************************************
** AERMOD Source Pathway
**************************************
**
**
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
** ------------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC Idle N
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00002575
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 466576.139, 3777847.643, 408.85, 3.49, 4.00
** 467108.919, 3777507.866, 402.00, 3.49, 4.00
** ------------------------------------------------------------------------
   LOCATION L0003953     VOLUME   466579.760 3777845.333 408.64
   LOCATION L0003954     VOLUME   466587.003 3777840.714 408.48
   LOCATION L0003955     VOLUME   466594.245 3777836.095 408.33
   LOCATION L0003956     VOLUME   466601.488 3777831.476 408.18
   LOCATION L0003957     VOLUME   466608.730 3777826.858 408.02
   LOCATION L0003958     VOLUME   466615.973 3777822.239 408.00
   LOCATION L0003959     VOLUME   466623.215 3777817.620 408.00
   LOCATION L0003960     VOLUME   466630.458 3777813.001 407.99
   LOCATION L0003961     VOLUME   466637.700 3777808.382 407.84
   LOCATION L0003962     VOLUME   466644.943 3777803.763 407.62
   LOCATION L0003963     VOLUME   466652.185 3777799.144 407.33
   LOCATION L0003964     VOLUME   466659.428 3777794.526 406.96
   LOCATION L0003965     VOLUME   466666.670 3777789.907 406.79
   LOCATION L0003966     VOLUME   466673.913 3777785.288 406.64
   LOCATION L0003967     VOLUME   466681.155 3777780.669 406.48
   LOCATION L0003968     VOLUME   466688.398 3777776.050 406.33
```

```
   LOCATION L0003969     VOLUME   466695.641 3777771.431 406.14
   LOCATION L0003970     VOLUME   466702.883 3777766.812 406.01
   LOCATION L0003971     VOLUME   466710.126 3777762.194 405.87
   LOCATION L0003972     VOLUME   466717.368 3777757.575 405.71
   LOCATION L0003973     VOLUME   466724.611 3777752.956 405.49
   LOCATION L0003974     VOLUME   466731.853 3777748.337 405.17
   LOCATION L0003975     VOLUME   466739.096 3777743.718 404.77
   LOCATION L0003976     VOLUME   466746.338 3777739.099 404.30
   LOCATION L0003977     VOLUME   466753.581 3777734.480 403.88
   LOCATION L0003978     VOLUME   466760.823 3777729.861 403.58
   LOCATION L0003979     VOLUME   466768.066 3777725.243 403.27
   LOCATION L0003980     VOLUME   466775.308 3777720.624 402.96
   LOCATION L0003981     VOLUME   466782.551 3777716.005 402.65
   LOCATION L0003982     VOLUME   466789.793 3777711.386 402.34
   LOCATION L0003983     VOLUME   466797.036 3777706.767 402.04
   LOCATION L0003984     VOLUME   466804.278 3777702.148 401.86
   LOCATION L0003985     VOLUME   466811.521 3777697.529 401.73
   LOCATION L0003986     VOLUME   466818.763 3777692.911 401.69
   LOCATION L0003987     VOLUME   466826.006 3777688.292 401.72
   LOCATION L0003988     VOLUME   466833.249 3777683.673 401.83
   LOCATION L0003989     VOLUME   466840.491 3777679.054 402.00
   LOCATION L0003990     VOLUME   466847.734 3777674.435 401.96
   LOCATION L0003991     VOLUME   466854.976 3777669.816 401.89
   LOCATION L0003992     VOLUME   466862.219 3777665.197 401.91
   LOCATION L0003993     VOLUME   466869.461 3777660.578 401.99
   LOCATION L0003994     VOLUME   466876.704 3777655.960 402.07
   LOCATION L0003995     VOLUME   466883.946 3777651.341 402.08
   LOCATION L0003996     VOLUME   466891.189 3777646.722 402.01
   LOCATION L0003997     VOLUME   466898.431 3777642.103 402.00
   LOCATION L0003998     VOLUME   466905.674 3777637.484 402.14
   LOCATION L0003999     VOLUME   466912.916 3777632.865 402.24
   LOCATION L0004000     VOLUME   466920.159 3777628.246 402.27
   LOCATION L0004001     VOLUME   466927.401 3777623.628 402.23
   LOCATION L0004002     VOLUME   466934.644 3777619.009 402.09
   LOCATION L0004003     VOLUME   466941.886 3777614.390 402.00
   LOCATION L0004004     VOLUME   466949.129 3777609.771 402.00
   LOCATION L0004005     VOLUME   466956.371 3777605.152 402.00
   LOCATION L0004006     VOLUME   466963.614 3777600.533 402.13
   LOCATION L0004007     VOLUME   466970.857 3777595.914 402.37
   LOCATION L0004008     VOLUME   466978.099 3777591.296 402.61
   LOCATION L0004009     VOLUME   466985.342 3777586.677 402.85
   LOCATION L0004010     VOLUME   466992.584 3777582.058 402.91
   LOCATION L0004011     VOLUME   466999.827 3777577.439 402.67
   LOCATION L0004012     VOLUME   467007.069 3777572.820 402.43
   LOCATION L0004013     VOLUME   467014.312 3777568.201 402.18
   LOCATION L0004014     VOLUME   467021.554 3777563.582 402.00
   LOCATION L0004015     VOLUME   467028.797 3777558.963 402.00
   LOCATION L0004016     VOLUME   467036.039 3777554.345 402.00
   LOCATION L0004017     VOLUME   467043.282 3777549.726 402.00
   LOCATION L0004018     VOLUME   467050.524 3777545.107 402.00
   LOCATION L0004019     VOLUME   467057.767 3777540.488 402.00
   LOCATION L0004020     VOLUME   467065.009 3777535.869 402.00
   LOCATION L0004021     VOLUME   467072.252 3777531.250 402.00
   LOCATION L0004022     VOLUME   467079.494 3777526.631 402.00
   LOCATION L0004023     VOLUME   467086.737 3777522.013 402.00
   LOCATION L0004024     VOLUME   467093.979 3777517.394 402.00
   LOCATION L0004025     VOLUME   467101.222 3777512.775 402.00
   LOCATION L0004026     VOLUME   467108.465 3777508.156 402.00
** End of LINE VOLUME Source ID = SLINE1
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Idle S
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
```

```
** Emission Rate = 0.0000209
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 466520.033, 3777658.678, 406.65, 3.49, 4.00
** 466953.169, 3777383.536, 401.12, 3.49, 4.00
** ------------------------------------------------------------------
   LOCATION L0004027     VOLUME   466523.658 3777656.375 406.54
   LOCATION L0004028     VOLUME   466530.909 3777651.769 406.30
   LOCATION L0004029     VOLUME   466538.160 3777647.164 406.06
   LOCATION L0004030     VOLUME   466545.411 3777642.558 405.98
   LOCATION L0004031     VOLUME   466552.662 3777637.952 405.88
   LOCATION L0004032     VOLUME   466559.912 3777633.346 405.71
   LOCATION L0004033     VOLUME   466567.163 3777628.740 405.47
   LOCATION L0004034     VOLUME   466574.414 3777624.134 405.11
   LOCATION L0004035     VOLUME   466581.665 3777619.528 404.72
   LOCATION L0004036     VOLUME   466588.915 3777614.922 404.36
   LOCATION L0004037     VOLUME   466596.166 3777610.316 404.12
   LOCATION L0004038     VOLUME   466603.417 3777605.710 403.88
   LOCATION L0004039     VOLUME   466610.668 3777601.104 403.64
   LOCATION L0004040     VOLUME   466617.918 3777596.498 403.40
   LOCATION L0004041     VOLUME   466625.169 3777591.892 403.16
   LOCATION L0004042     VOLUME   466632.420 3777587.287 402.91
   LOCATION L0004043     VOLUME   466639.671 3777582.681 402.79
   LOCATION L0004044     VOLUME   466646.921 3777578.075 402.70
   LOCATION L0004045     VOLUME   466654.172 3777573.469 402.61
   LOCATION L0004046     VOLUME   466661.423 3777568.863 402.55
   LOCATION L0004047     VOLUME   466668.674 3777564.257 402.52
   LOCATION L0004048     VOLUME   466675.924 3777559.651 402.41
   LOCATION L0004049     VOLUME   466683.175 3777555.045 402.25
   LOCATION L0004050     VOLUME   466690.426 3777550.439 402.19
   LOCATION L0004051     VOLUME   466697.677 3777545.833 402.35
   LOCATION L0004052     VOLUME   466704.928 3777541.227 402.50
   LOCATION L0004053     VOLUME   466712.178 3777536.621 402.65
   LOCATION L0004054     VOLUME   466719.429 3777532.015 402.81
   LOCATION L0004055     VOLUME   466726.680 3777527.410 402.96
   LOCATION L0004056     VOLUME   466733.931 3777522.804 403.00
   LOCATION L0004057     VOLUME   466741.181 3777518.198 403.00
   LOCATION L0004058     VOLUME   466748.432 3777513.592 403.00
   LOCATION L0004059     VOLUME   466755.683 3777508.986 402.89
   LOCATION L0004060     VOLUME   466762.934 3777504.380 402.68
   LOCATION L0004061     VOLUME   466770.184 3777499.774 402.40
   LOCATION L0004062     VOLUME   466777.435 3777495.168 402.08
   LOCATION L0004063     VOLUME   466784.686 3777490.562 402.00
   LOCATION L0004064     VOLUME   466791.937 3777485.956 402.00
   LOCATION L0004065     VOLUME   466799.187 3777481.350 402.00
   LOCATION L0004066     VOLUME   466806.438 3777476.744 402.00
   LOCATION L0004067     VOLUME   466813.689 3777472.138 402.00
   LOCATION L0004068     VOLUME   466820.940 3777467.532 402.00
   LOCATION L0004069     VOLUME   466828.190 3777462.927 402.00
   LOCATION L0004070     VOLUME   466835.441 3777458.321 402.00
   LOCATION L0004071     VOLUME   466842.692 3777453.715 402.00
   LOCATION L0004072     VOLUME   466849.943 3777449.109 402.00
   LOCATION L0004073     VOLUME   466857.194 3777444.503 402.00
   LOCATION L0004074     VOLUME   466864.444 3777439.897 402.00
   LOCATION L0004075     VOLUME   466871.695 3777435.291 402.00
   LOCATION L0004076     VOLUME   466878.946 3777430.685 402.00
   LOCATION L0004077     VOLUME   466886.197 3777426.079 402.00
   LOCATION L0004078     VOLUME   466893.447 3777421.473 402.00
   LOCATION L0004079     VOLUME   466900.698 3777416.867 402.00
   LOCATION L0004080     VOLUME   466907.949 3777412.261 402.00
   LOCATION L0004081     VOLUME   466915.200 3777407.655 402.00
   LOCATION L0004082     VOLUME   466922.450 3777403.050 402.00
   LOCATION L0004083     VOLUME   466929.701 3777398.444 402.00
   LOCATION L0004084     VOLUME   466936.952 3777393.838 401.90
   LOCATION L0004085     VOLUME   466944.203 3777389.232 401.73
```

```
   LOCATION L0004086     VOLUME   466951.453 3777384.626 401.48
** End of LINE VOLUME Source ID = SLINE2
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Idle W
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 4.664E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 466495.795, 3777741.266, 408.00, 3.49, 4.00
** 466560.429, 3777846.296, 408.79, 3.49, 4.00
** ----------------------------------------------------------------
   LOCATION L0004087     VOLUME   466498.046 3777744.924 408.11
   LOCATION L0004088     VOLUME   466502.548 3777752.240 408.13
   LOCATION L0004089     VOLUME   466507.050 3777759.555 408.07
   LOCATION L0004090     VOLUME   466511.552 3777766.871 408.00
   LOCATION L0004091     VOLUME   466516.054 3777774.187 408.00
   LOCATION L0004092     VOLUME   466520.556 3777781.503 408.00
   LOCATION L0004093     VOLUME   466525.058 3777788.818 408.00
   LOCATION L0004094     VOLUME   466529.560 3777796.134 408.00
   LOCATION L0004095     VOLUME   466534.062 3777803.450 408.24
   LOCATION L0004096     VOLUME   466538.564 3777810.766 408.49
   LOCATION L0004097     VOLUME   466543.066 3777818.081 408.65
   LOCATION L0004098     VOLUME   466547.568 3777825.397 408.72
   LOCATION L0004099     VOLUME   466552.070 3777832.713 408.68
   LOCATION L0004100     VOLUME   466556.572 3777840.029 408.70
** End of LINE VOLUME Source ID = SLINE3
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC TTP Idle 1
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.124E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 466860.507, 3777393.097, 402.00, 3.49, 4.00
** 466484.031, 3777632.277, 407.07, 3.49, 4.00
** 466474.713, 3777616.746, 407.02, 3.49, 4.00
** 466641.207, 3777511.134, 403.84, 3.49, 4.00
** ----------------------------------------------------------------
   LOCATION L0004101     VOLUME   466856.881 3777395.400 402.00
   LOCATION L0004102     VOLUME   466849.631 3777400.007 402.00
   LOCATION L0004103     VOLUME   466842.380 3777404.613 402.00
   LOCATION L0004104     VOLUME   466835.130 3777409.219 402.00
   LOCATION L0004105     VOLUME   466827.879 3777413.826 402.00
   LOCATION L0004106     VOLUME   466820.629 3777418.432 402.00
   LOCATION L0004107     VOLUME   466813.378 3777423.038 402.00
   LOCATION L0004108     VOLUME   466806.128 3777427.645 402.00
   LOCATION L0004109     VOLUME   466798.877 3777432.251 402.00
   LOCATION L0004110     VOLUME   466791.627 3777436.857 402.00
   LOCATION L0004111     VOLUME   466784.376 3777441.464 402.00
   LOCATION L0004112     VOLUME   466777.126 3777446.070 402.00
   LOCATION L0004113     VOLUME   466769.875 3777450.676 402.00
   LOCATION L0004114     VOLUME   466762.625 3777455.283 402.00
   LOCATION L0004115     VOLUME   466755.374 3777459.889 402.00
   LOCATION L0004116     VOLUME   466748.124 3777464.495 402.06
   LOCATION L0004117     VOLUME   466740.874 3777469.102 402.37
   LOCATION L0004118     VOLUME   466733.623 3777473.708 402.66
   LOCATION L0004119     VOLUME   466726.373 3777478.314 402.87
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   LOCATION L0004120     VOLUME   466719.122 3777482.921 403.00
   LOCATION L0004121     VOLUME   466711.872 3777487.527 403.00
   LOCATION L0004122     VOLUME   466704.621 3777492.133 403.00
   LOCATION L0004123     VOLUME   466697.371 3777496.740 403.00
   LOCATION L0004124     VOLUME   466690.120 3777501.346 403.00
   LOCATION L0004125     VOLUME   466682.870 3777505.952 403.16
   LOCATION L0004126     VOLUME   466675.619 3777510.559 403.25
   LOCATION L0004127     VOLUME   466668.369 3777515.165 403.26
   LOCATION L0004128     VOLUME   466661.118 3777519.771 403.21
   LOCATION L0004129     VOLUME   466653.868 3777524.378 403.25
   LOCATION L0004130     VOLUME   466646.617 3777528.984 403.44
   LOCATION L0004131     VOLUME   466639.367 3777533.590 403.68
   LOCATION L0004132     VOLUME   466632.116 3777538.197 403.92
   LOCATION L0004133     VOLUME   466624.866 3777542.803 404.07
   LOCATION L0004134     VOLUME   466617.615 3777547.409 404.12
   LOCATION L0004135     VOLUME   466610.365 3777552.016 404.09
   LOCATION L0004136     VOLUME   466603.114 3777556.622 404.00
   LOCATION L0004137     VOLUME   466595.864 3777561.229 404.13
   LOCATION L0004138     VOLUME   466588.613 3777565.835 404.37
   LOCATION L0004139     VOLUME   466581.363 3777570.441 404.62
   LOCATION L0004140     VOLUME   466574.112 3777575.048 404.86
   LOCATION L0004141     VOLUME   466566.862 3777579.654 405.10
   LOCATION L0004142     VOLUME   466559.611 3777584.260 405.34
   LOCATION L0004143     VOLUME   466552.361 3777588.867 405.58
   LOCATION L0004144     VOLUME   466545.110 3777593.473 405.82
   LOCATION L0004145     VOLUME   466537.860 3777598.079 406.00
   LOCATION L0004146     VOLUME   466530.609 3777602.686 406.00
   LOCATION L0004147     VOLUME   466523.359 3777607.292 406.00
   LOCATION L0004148     VOLUME   466516.108 3777611.898 406.00
   LOCATION L0004149     VOLUME   466508.858 3777616.505 406.04
   LOCATION L0004150     VOLUME   466501.607 3777621.111 406.39
   LOCATION L0004151     VOLUME   466494.357 3777625.717 406.67
   LOCATION L0004152     VOLUME   466487.106 3777630.324 406.87
   LOCATION L0004153     VOLUME   466481.486 3777628.035 406.97
   LOCATION L0004154     VOLUME   466477.067 3777620.669 407.09
   LOCATION L0004155     VOLUME   466478.103 3777614.595 407.06
   LOCATION L0004156     VOLUME   466485.357 3777609.994 406.82
   LOCATION L0004157     VOLUME   466492.611 3777605.393 406.57
   LOCATION L0004158     VOLUME   466499.864 3777600.791 406.33
   LOCATION L0004159     VOLUME   466507.118 3777596.190 406.09
   LOCATION L0004160     VOLUME   466514.372 3777591.589 406.00
   LOCATION L0004161     VOLUME   466521.626 3777586.988 406.00
   LOCATION L0004162     VOLUME   466528.879 3777582.386 406.00
   LOCATION L0004163     VOLUME   466536.133 3777577.785 406.00
   LOCATION L0004164     VOLUME   466543.387 3777573.184 405.88
   LOCATION L0004165     VOLUME   466550.641 3777568.583 405.64
   LOCATION L0004166     VOLUME   466557.894 3777563.981 405.40
   LOCATION L0004167     VOLUME   466565.148 3777559.380 405.16
   LOCATION L0004168     VOLUME   466572.402 3777554.779 404.92
   LOCATION L0004169     VOLUME   466579.655 3777550.178 404.74
   LOCATION L0004170     VOLUME   466586.909 3777545.576 404.63
   LOCATION L0004171     VOLUME   466594.163 3777540.975 404.60
   LOCATION L0004172     VOLUME   466601.417 3777536.374 404.63
   LOCATION L0004173     VOLUME   466608.670 3777531.773 404.57
   LOCATION L0004174     VOLUME   466615.924 3777527.171 404.45
   LOCATION L0004175     VOLUME   466623.178 3777522.570 404.22
   LOCATION L0004176     VOLUME   466630.432 3777517.969 403.99
   LOCATION L0004177     VOLUME   466637.685 3777513.368 403.85
** End of LINE VOLUME Source ID = SLINE4
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC TTP Idle 2
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
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** Emission Rate = 1.674E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 466623.191, 3777482.557, 404.14, 3.49, 4.00
** 466456.697, 3777588.790, 407.87, 3.49, 4.00
** 466447.378, 3777574.501, 407.68, 3.49, 4.00
** 466564.793, 3777498.709, 405.04, 3.49, 4.00
** ------------------------------------------------------------------
   LOCATION L0004178     VOLUME   466619.570 3777484.867 404.34
   LOCATION L0004179     VOLUME   466612.328 3777489.487 404.58
   LOCATION L0004180     VOLUME   466605.087 3777494.108 404.83
   LOCATION L0004181     VOLUME   466597.845 3777498.728 405.00
   LOCATION L0004182     VOLUME   466590.604 3777503.349 405.00
   LOCATION L0004183     VOLUME   466583.362 3777507.969 405.00
   LOCATION L0004184     VOLUME   466576.121 3777512.590 405.00
   LOCATION L0004185     VOLUME   466568.879 3777517.210 405.03
   LOCATION L0004186     VOLUME   466561.638 3777521.831 405.27
   LOCATION L0004187     VOLUME   466554.397 3777526.451 405.51
   LOCATION L0004188     VOLUME   466547.155 3777531.072 405.76
   LOCATION L0004189     VOLUME   466539.914 3777535.692 406.00
   LOCATION L0004190     VOLUME   466532.672 3777540.313 406.00
   LOCATION L0004191     VOLUME   466525.431 3777544.933 406.00
   LOCATION L0004192     VOLUME   466518.189 3777549.554 406.00
   LOCATION L0004193     VOLUME   466510.948 3777554.174 406.00
   LOCATION L0004194     VOLUME   466503.706 3777558.795 406.20
   LOCATION L0004195     VOLUME   466496.465 3777563.415 406.45
   LOCATION L0004196     VOLUME   466489.223 3777568.036 406.69
   LOCATION L0004197     VOLUME   466481.982 3777572.656 406.93
   LOCATION L0004198     VOLUME   466474.740 3777577.277 407.12
   LOCATION L0004199     VOLUME   466467.499 3777581.897 407.35
   LOCATION L0004200     VOLUME   466460.257 3777586.518 407.65
   LOCATION L0004201     VOLUME   466454.311 3777585.132 407.82
   LOCATION L0004202     VOLUME   466449.619 3777577.937 407.73
   LOCATION L0004203     VOLUME   466451.148 3777572.067 407.51
   LOCATION L0004204     VOLUME   466458.365 3777567.409 407.27
   LOCATION L0004205     VOLUME   466465.582 3777562.750 407.10
   LOCATION L0004206     VOLUME   466472.799 3777558.092 407.01
   LOCATION L0004207     VOLUME   466480.016 3777553.433 406.99
   LOCATION L0004208     VOLUME   466487.233 3777548.774 406.75
   LOCATION L0004209     VOLUME   466494.450 3777544.116 406.51
   LOCATION L0004210     VOLUME   466501.667 3777539.457 406.27
   LOCATION L0004211     VOLUME   466508.884 3777534.799 406.03
   LOCATION L0004212     VOLUME   466516.101 3777530.140 406.00
   LOCATION L0004213     VOLUME   466523.318 3777525.481 406.01
   LOCATION L0004214     VOLUME   466530.535 3777520.823 406.06
   LOCATION L0004215     VOLUME   466537.752 3777516.164 406.02
   LOCATION L0004216     VOLUME   466544.969 3777511.505 405.83
   LOCATION L0004217     VOLUME   466552.186 3777506.847 405.59
   LOCATION L0004218     VOLUME   466559.403 3777502.188 405.35
** End of LINE VOLUME Source ID = SLINE5
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE6
** DESCRSRC TTP Idle 3
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 9.051E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 466402.648, 3777597.487, 408.87, 3.49, 4.00
** 466447.999, 3777670.173, 407.97, 3.49, 4.00
** 466464.773, 3777659.612, 407.57, 3.49, 4.00
** 466417.558, 3777587.547, 408.01, 3.49, 4.00
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   LOCATION L0004219     VOLUME   466404.922 3777601.131 408.74
   LOCATION L0004220     VOLUME   466409.469 3777608.419 408.60
   LOCATION L0004221     VOLUME   466414.016 3777615.707 408.39
   LOCATION L0004222     VOLUME   466418.563 3777622.994 408.09
   LOCATION L0004223     VOLUME   466423.110 3777630.282 408.00
   LOCATION L0004224     VOLUME   466427.657 3777637.570 408.00
   LOCATION L0004225     VOLUME   466432.204 3777644.858 408.00
   LOCATION L0004226     VOLUME   466436.751 3777652.146 408.00
   LOCATION L0004227     VOLUME   466441.298 3777659.433 408.00
   LOCATION L0004228     VOLUME   466445.845 3777666.721 408.00
   LOCATION L0004229     VOLUME   466451.825 3777667.764 407.93
   LOCATION L0004230     VOLUME   466459.095 3777663.187 407.69
   LOCATION L0004231     VOLUME   466463.742 3777658.039 407.54
   LOCATION L0004232     VOLUME   466459.035 3777650.854 407.69
   LOCATION L0004233     VOLUME   466454.327 3777643.669 407.85
   LOCATION L0004234     VOLUME   466449.620 3777636.484 408.00
   LOCATION L0004235     VOLUME   466444.912 3777629.298 408.00
   LOCATION L0004236     VOLUME   466440.205 3777622.113 408.00
   LOCATION L0004237     VOLUME   466435.497 3777614.928 408.00
   LOCATION L0004238     VOLUME   466430.790 3777607.743 408.00
   LOCATION L0004239     VOLUME   466426.082 3777600.558 408.00
   LOCATION L0004240     VOLUME   466421.375 3777593.372 408.00
** End of LINE VOLUME Source ID = SLINE6
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE7
** DESCRSRC TTP Idle 4
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 9.589E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 466352.327, 3777627.928, 411.37, 3.49, 4.00
** 466400.784, 3777703.720, 409.64, 3.49, 4.00
** 466419.422, 3777692.538, 408.17, 3.49, 4.00
** 466370.343, 3777615.503, 410.97, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0004241     VOLUME   466354.641 3777631.547 411.77
   LOCATION L0004242     VOLUME   466359.268 3777638.784 411.78
   LOCATION L0004243     VOLUME   466363.895 3777646.021 411.72
   LOCATION L0004244     VOLUME   466368.522 3777653.259 411.42
   LOCATION L0004245     VOLUME   466373.149 3777660.496 411.11
   LOCATION L0004246     VOLUME   466377.776 3777667.733 410.80
   LOCATION L0004247     VOLUME   466382.403 3777674.970 410.50
   LOCATION L0004248     VOLUME   466387.030 3777682.208 410.19
   LOCATION L0004249     VOLUME   466391.658 3777689.445 409.88
   LOCATION L0004250     VOLUME   466396.285 3777696.682 409.57
   LOCATION L0004251     VOLUME   466400.987 3777703.599 409.26
   LOCATION L0004252     VOLUME   466408.353 3777699.179 408.77
   LOCATION L0004253     VOLUME   466415.719 3777694.760 408.27
   LOCATION L0004254     VOLUME   466417.127 3777688.935 408.18
   LOCATION L0004255     VOLUME   466412.511 3777681.691 408.49
   LOCATION L0004256     VOLUME   466407.895 3777674.446 408.80
   LOCATION L0004257     VOLUME   466403.280 3777667.201 409.10
   LOCATION L0004258     VOLUME   466398.664 3777659.957 409.41
   LOCATION L0004259     VOLUME   466394.049 3777652.712 409.72
   LOCATION L0004260     VOLUME   466389.433 3777645.467 410.03
   LOCATION L0004261     VOLUME   466384.818 3777638.223 410.29
   LOCATION L0004262     VOLUME   466380.202 3777630.978 410.48
   LOCATION L0004263     VOLUME   466375.587 3777623.733 410.59
   LOCATION L0004264     VOLUME   466370.971 3777616.489 410.63
** End of LINE VOLUME Source ID = SLINE7
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE8
** DESCRSRC TTP Idle 5
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.897E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 466520.685, 3777890.715, 409.93, 3.49, 4.00
** 466411.967, 3777722.358, 408.74, 3.49, 4.00
** 466429.983, 3777711.797, 408.11, 3.49, 4.00
** 466525.655, 3777864.623, 409.06, 3.49, 4.00
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   LOCATION L0004265     VOLUME   466518.355 3777887.107 410.00
   LOCATION L0004266     VOLUME   466513.695 3777879.891 409.79
   LOCATION L0004267     VOLUME   466509.035 3777872.675 409.56
   LOCATION L0004268     VOLUME   466504.375 3777865.459 409.43
   LOCATION L0004269     VOLUME   466499.715 3777858.243 409.38
   LOCATION L0004270     VOLUME   466495.055 3777851.026 409.41
   LOCATION L0004271     VOLUME   466490.396 3777843.810 409.38
   LOCATION L0004272     VOLUME   466485.736 3777836.594 409.28
   LOCATION L0004273     VOLUME   466481.076 3777829.378 409.10
   LOCATION L0004274     VOLUME   466476.416 3777822.162 409.10
   LOCATION L0004275     VOLUME   466471.756 3777814.945 409.17
   LOCATION L0004276     VOLUME   466467.096 3777807.729 409.16
   LOCATION L0004277     VOLUME   466462.436 3777800.513 409.08
   LOCATION L0004278     VOLUME   466457.776 3777793.297 409.00
   LOCATION L0004279     VOLUME   466453.116 3777786.081 409.00
   LOCATION L0004280     VOLUME   466448.456 3777778.865 409.02
   LOCATION L0004281     VOLUME   466443.797 3777771.648 409.04
   LOCATION L0004282     VOLUME   466439.137 3777764.432 408.96
   LOCATION L0004283     VOLUME   466434.477 3777757.216 408.85
   LOCATION L0004284     VOLUME   466429.817 3777750.000 408.82
   LOCATION L0004285     VOLUME   466425.157 3777742.784 408.86
   LOCATION L0004286     VOLUME   466420.497 3777735.567 408.96
   LOCATION L0004287     VOLUME   466415.837 3777728.351 408.91
   LOCATION L0004288     VOLUME   466413.222 3777721.622 408.84
   LOCATION L0004289     VOLUME   466420.633 3777717.277 408.36
   LOCATION L0004290     VOLUME   466428.044 3777712.933 408.16
   LOCATION L0004291     VOLUME   466433.348 3777717.172 408.20
   LOCATION L0004292     VOLUME   466437.906 3777724.453 408.24
   LOCATION L0004293     VOLUME   466442.464 3777731.734 408.21
   LOCATION L0004294     VOLUME   466447.022 3777739.015 408.18
   LOCATION L0004295     VOLUME   466451.580 3777746.296 408.34
   LOCATION L0004296     VOLUME   466456.138 3777753.577 408.58
   LOCATION L0004297     VOLUME   466460.696 3777760.858 408.82
   LOCATION L0004298     VOLUME   466465.254 3777768.139 409.00
   LOCATION L0004299     VOLUME   466469.812 3777775.420 409.00
   LOCATION L0004300     VOLUME   466474.370 3777782.701 409.00
   LOCATION L0004301     VOLUME   466478.928 3777789.982 409.00
   LOCATION L0004302     VOLUME   466483.486 3777797.263 408.88
   LOCATION L0004303     VOLUME   466488.044 3777804.544 408.80
   LOCATION L0004304     VOLUME   466492.602 3777811.825 408.80
   LOCATION L0004305     VOLUME   466497.160 3777819.106 408.86
   LOCATION L0004306     VOLUME   466501.718 3777826.387 409.00
   LOCATION L0004307     VOLUME   466506.276 3777833.668 409.03
   LOCATION L0004308     VOLUME   466510.834 3777840.949 409.00
   LOCATION L0004309     VOLUME   466515.392 3777848.230 409.00
   LOCATION L0004310     VOLUME   466519.950 3777855.511 409.00
   LOCATION L0004311     VOLUME   466524.508 3777862.792 409.22
** End of LINE VOLUME Source ID = SLINE8
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE9
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** DESCRSRC TTP Idle 6
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.755E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 466460.424, 3777902.519, 410.46, 3.49, 4.00
** 466365.995, 3777752.178, 410.42, 3.49, 4.00
** 466380.905, 3777743.480, 410.12, 3.49, 4.00
** 466474.713, 3777893.200, 410.00, 3.49, 4.00
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   LOCATION L0004312     VOLUME   466458.140 3777898.882 410.31
   LOCATION L0004313     VOLUME   466453.571 3777891.608 410.16
   LOCATION L0004314     VOLUME   466449.002 3777884.334 410.03
   LOCATION L0004315     VOLUME   466444.433 3777877.060 410.13
   LOCATION L0004316     VOLUME   466439.864 3777869.785 410.15
   LOCATION L0004317     VOLUME   466435.295 3777862.511 410.10
   LOCATION L0004318     VOLUME   466430.726 3777855.237 410.00
   LOCATION L0004319     VOLUME   466426.157 3777847.963 410.00
   LOCATION L0004320     VOLUME   466421.588 3777840.689 410.00
   LOCATION L0004321     VOLUME   466417.020 3777833.415 410.09
   LOCATION L0004322     VOLUME   466412.451 3777826.141 410.25
   LOCATION L0004323     VOLUME   466407.882 3777818.866 410.30
   LOCATION L0004324     VOLUME   466403.313 3777811.592 410.28
   LOCATION L0004325     VOLUME   466398.744 3777804.318 410.19
   LOCATION L0004326     VOLUME   466394.175 3777797.044 410.02
   LOCATION L0004327     VOLUME   466389.606 3777789.770 410.01
   LOCATION L0004328     VOLUME   466385.037 3777782.496 410.09
   LOCATION L0004329     VOLUME   466380.468 3777775.221 410.09
   LOCATION L0004330     VOLUME   466375.900 3777767.947 410.03
   LOCATION L0004331     VOLUME   466371.331 3777760.673 410.11
   LOCATION L0004332     VOLUME   466366.762 3777753.399 410.33
   LOCATION L0004333     VOLUME   466372.169 3777748.576 410.35
   LOCATION L0004334     VOLUME   466379.588 3777744.248 410.25
   LOCATION L0004335     VOLUME   466384.656 3777749.468 410.10
   LOCATION L0004336     VOLUME   466389.217 3777756.747 410.01
   LOCATION L0004337     VOLUME   466393.778 3777764.027 409.87
   LOCATION L0004338     VOLUME   466398.339 3777771.306 409.76
   LOCATION L0004339     VOLUME   466402.900 3777778.585 409.74
   LOCATION L0004340     VOLUME   466407.461 3777785.864 409.80
   LOCATION L0004341     VOLUME   466412.021 3777793.143 409.92
   LOCATION L0004342     VOLUME   466416.582 3777800.423 410.02
   LOCATION L0004343     VOLUME   466421.143 3777807.702 409.97
   LOCATION L0004344     VOLUME   466425.704 3777814.981 409.93
   LOCATION L0004345     VOLUME   466430.265 3777822.260 409.95
   LOCATION L0004346     VOLUME   466434.826 3777829.539 410.00
   LOCATION L0004347     VOLUME   466439.386 3777836.819 410.00
   LOCATION L0004348     VOLUME   466443.947 3777844.098 410.00
   LOCATION L0004349     VOLUME   466448.508 3777851.377 410.00
   LOCATION L0004350     VOLUME   466453.069 3777858.656 410.00
   LOCATION L0004351     VOLUME   466457.630 3777865.935 410.00
   LOCATION L0004352     VOLUME   466462.191 3777873.215 410.00
   LOCATION L0004353     VOLUME   466466.751 3777880.494 410.00
   LOCATION L0004354     VOLUME   466471.312 3777887.773 410.01
** End of LINE VOLUME Source ID = SLINE9
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE10
** DESCRSRC TTP Idle 7
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.668E-06
** Vertical Dimension = 6.99
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** SZINIT = 3.25
** Nodes = 4
** 466333.069, 3777773.921, 410.92, 3.49, 4.00
** 466427.498, 3777922.399, 411.00, 3.49, 4.00
** 466410.724, 3777933.581, 411.64, 3.49, 4.00
** 466330.584, 3777798.771, 411.01, 3.49, 4.00
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   LOCATION L0004355     VOLUME   466335.373 3777777.545 410.89
   LOCATION L0004356     VOLUME   466339.983 3777784.794 410.87
   LOCATION L0004357     VOLUME   466344.593 3777792.042 410.93
   LOCATION L0004358     VOLUME   466349.203 3777799.290 411.00
   LOCATION L0004359     VOLUME   466353.813 3777806.539 411.00
   LOCATION L0004360     VOLUME   466358.422 3777813.787 411.00
   LOCATION L0004361     VOLUME   466363.032 3777821.035 410.98
   LOCATION L0004362     VOLUME   466367.642 3777828.283 411.00
   LOCATION L0004363     VOLUME   466372.252 3777835.532 411.00
   LOCATION L0004364     VOLUME   466376.862 3777842.780 411.00
   LOCATION L0004365     VOLUME   466381.471 3777850.028 411.00
   LOCATION L0004366     VOLUME   466386.081 3777857.277 411.00
   LOCATION L0004367     VOLUME   466390.691 3777864.525 410.98
   LOCATION L0004368     VOLUME   466395.301 3777871.773 410.91
   LOCATION L0004369     VOLUME   466399.911 3777879.022 410.92
   LOCATION L0004370     VOLUME   466404.520 3777886.270 411.00
   LOCATION L0004371     VOLUME   466409.130 3777893.518 411.00
   LOCATION L0004372     VOLUME   466413.740 3777900.766 411.00
   LOCATION L0004373     VOLUME   466418.350 3777908.015 411.00
   LOCATION L0004374     VOLUME   466422.960 3777915.263 411.00
   LOCATION L0004375     VOLUME   466427.387 3777922.473 411.16
   LOCATION L0004376     VOLUME   466420.240 3777927.238 411.36
   LOCATION L0004377     VOLUME   466413.093 3777932.003 411.53
   LOCATION L0004378     VOLUME   466407.789 3777928.644 411.41
   LOCATION L0004379     VOLUME   466403.400 3777921.261 411.17
   LOCATION L0004380     VOLUME   466399.010 3777913.877 411.00
   LOCATION L0004381     VOLUME   466394.621 3777906.493 411.00
   LOCATION L0004382     VOLUME   466390.232 3777899.109 411.00
   LOCATION L0004383     VOLUME   466385.842 3777891.725 411.02
   LOCATION L0004384     VOLUME   466381.453 3777884.341 411.00
   LOCATION L0004385     VOLUME   466377.063 3777876.958 411.00
   LOCATION L0004386     VOLUME   466372.674 3777869.574 411.00
   LOCATION L0004387     VOLUME   466368.284 3777862.190 411.00
   LOCATION L0004388     VOLUME   466363.895 3777854.806 411.00
   LOCATION L0004389     VOLUME   466359.505 3777847.422 411.01
   LOCATION L0004390     VOLUME   466355.116 3777840.039 411.07
   LOCATION L0004391     VOLUME   466350.726 3777832.655 411.07
   LOCATION L0004392     VOLUME   466346.337 3777825.271 411.00
   LOCATION L0004393     VOLUME   466341.947 3777817.887 411.00
   LOCATION L0004394     VOLUME   466337.558 3777810.503 411.00
   LOCATION L0004395     VOLUME   466333.169 3777803.119 411.00
** End of LINE VOLUME Source ID = SLINE10
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE11
** DESCRSRC TTP Idle 8
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 6.354E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 4
** 466333.690, 3777671.415, 412.98, 3.49, 4.00
** 466368.480, 3777724.221, 411.09, 3.49, 4.00
** 466352.327, 3777733.540, 411.03, 3.49, 4.00
** 466325.614, 3777688.189, 413.05, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0004396     VOLUME   466336.053 3777675.002 412.79
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   LOCATION L0004397     VOLUME   466340.779 3777682.175 412.51
   LOCATION L0004398     VOLUME   466345.504 3777689.348 412.27
   LOCATION L0004399     VOLUME   466350.230 3777696.522 412.10
   LOCATION L0004400     VOLUME   466354.956 3777703.695 412.01
   LOCATION L0004401     VOLUME   466359.682 3777710.868 411.84
   LOCATION L0004402     VOLUME   466364.408 3777718.041 411.36
   LOCATION L0004403     VOLUME   466367.450 3777724.816 411.03
   LOCATION L0004404     VOLUME   466360.009 3777729.108 411.23
   LOCATION L0004405     VOLUME   466352.569 3777733.401 411.09
   LOCATION L0004406     VOLUME   466348.109 3777726.379 411.33
   LOCATION L0004407     VOLUME   466343.749 3777718.978 411.57
   LOCATION L0004408     VOLUME   466339.389 3777711.576 411.82
   LOCATION L0004409     VOLUME   466335.030 3777704.175 412.06
   LOCATION L0004410     VOLUME   466330.670 3777696.773 412.31
   LOCATION L0004411     VOLUME   466326.310 3777689.372 412.73
** End of LINE VOLUME Source ID = SLINE11
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE12
** DESCRSRC TTP Idle 9
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.431E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 466304.491, 3777729.813, 411.44, 3.49, 4.00
** 466321.886, 3777754.663, 410.94, 3.49, 4.00
** ----------------------------------------------------------------
   LOCATION L0004412     VOLUME   466306.954 3777733.331 411.24
   LOCATION L0004413     VOLUME   466311.880 3777740.368 411.00
   LOCATION L0004414     VOLUME   466316.806 3777747.406 411.00
   LOCATION L0004415     VOLUME   466321.732 3777754.443 411.00
** End of LINE VOLUME Source ID = SLINE12
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE13
** DESCRSRC TTP Idle 10
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 6.779E-07
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 466316.916, 3777851.577, 412.04, 3.49, 4.00
** 466395.814, 3777971.478, 412.04, 3.49, 4.00
** ----------------------------------------------------------------
   LOCATION L0004416     VOLUME   466319.277 3777855.165 411.98
   LOCATION L0004417     VOLUME   466323.999 3777862.341 412.00
   LOCATION L0004418     VOLUME   466328.721 3777869.516 412.00
   LOCATION L0004419     VOLUME   466333.443 3777876.692 411.88
   LOCATION L0004420     VOLUME   466338.165 3777883.868 411.72
   LOCATION L0004421     VOLUME   466342.887 3777891.044 411.64
   LOCATION L0004422     VOLUME   466347.608 3777898.220 411.64
   LOCATION L0004423     VOLUME   466352.330 3777905.395 411.73
   LOCATION L0004424     VOLUME   466357.052 3777912.571 411.89
   LOCATION L0004425     VOLUME   466361.774 3777919.747 411.94
   LOCATION L0004426     VOLUME   466366.496 3777926.923 411.86
   LOCATION L0004427     VOLUME   466371.218 3777934.098 411.85
   LOCATION L0004428     VOLUME   466375.940 3777941.274 411.91
   LOCATION L0004429     VOLUME   466380.662 3777948.450 412.02
   LOCATION L0004430     VOLUME   466385.384 3777955.626 412.05
   LOCATION L0004431     VOLUME   466390.105 3777962.802 412.00
   LOCATION L0004432     VOLUME   466394.827 3777969.977 412.00
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** End of LINE VOLUME Source ID = SLINE13
** ----------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE14
** DESCRSRC TTP Idle 11
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.665E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 466456.697, 3777970.856, 411.04, 3.49, 4.00
** 467110.248, 3777552.757, 402.00, 3.49, 4.00
** ----------------------------------------------------------------------
   LOCATION L0004433     VOLUME   466460.315 3777968.542 411.00
   LOCATION L0004434     VOLUME   466467.551 3777963.913 411.00
   LOCATION L0004435     VOLUME   466474.787 3777959.283 411.00
   LOCATION L0004436     VOLUME   466482.023 3777954.654 411.00
   LOCATION L0004437     VOLUME   466489.259 3777950.025 411.00
   LOCATION L0004438     VOLUME   466496.494 3777945.396 410.97
   LOCATION L0004439     VOLUME   466503.730 3777940.767 410.82
   LOCATION L0004440     VOLUME   466510.966 3777936.138 410.64
   LOCATION L0004441     VOLUME   466518.202 3777931.509 410.37
   LOCATION L0004442     VOLUME   466525.438 3777926.880 410.17
   LOCATION L0004443     VOLUME   466532.674 3777922.251 410.05
   LOCATION L0004444     VOLUME   466539.910 3777917.622 410.00
   LOCATION L0004445     VOLUME   466547.146 3777912.992 409.97
   LOCATION L0004446     VOLUME   466554.382 3777908.363 409.87
   LOCATION L0004447     VOLUME   466561.618 3777903.734 409.70
   LOCATION L0004448     VOLUME   466568.854 3777899.105 409.45
   LOCATION L0004449     VOLUME   466576.090 3777894.476 409.28
   LOCATION L0004450     VOLUME   466583.326 3777889.847 409.12
   LOCATION L0004451     VOLUME   466590.562 3777885.218 409.00
   LOCATION L0004452     VOLUME   466597.798 3777880.589 409.00
   LOCATION L0004453     VOLUME   466605.034 3777875.960 409.00
   LOCATION L0004454     VOLUME   466612.270 3777871.330 409.00
   LOCATION L0004455     VOLUME   466619.506 3777866.701 409.00
   LOCATION L0004456     VOLUME   466626.742 3777862.072 409.00
   LOCATION L0004457     VOLUME   466633.978 3777857.443 408.87
   LOCATION L0004458     VOLUME   466641.214 3777852.814 408.55
   LOCATION L0004459     VOLUME   466648.450 3777848.185 408.28
   LOCATION L0004460     VOLUME   466655.686 3777843.556 408.08
   LOCATION L0004461     VOLUME   466662.922 3777838.927 408.00
   LOCATION L0004462     VOLUME   466670.158 3777834.298 408.00
   LOCATION L0004463     VOLUME   466677.394 3777829.669 408.00
   LOCATION L0004464     VOLUME   466684.630 3777825.039 407.96
   LOCATION L0004465     VOLUME   466691.866 3777820.410 407.74
   LOCATION L0004466     VOLUME   466699.102 3777815.781 407.34
   LOCATION L0004467     VOLUME   466706.338 3777811.152 406.95
   LOCATION L0004468     VOLUME   466713.574 3777806.523 406.55
   LOCATION L0004469     VOLUME   466720.810 3777801.894 406.19
   LOCATION L0004470     VOLUME   466728.046 3777797.265 406.04
   LOCATION L0004471     VOLUME   466735.282 3777792.636 406.00
   LOCATION L0004472     VOLUME   466742.518 3777788.007 406.00
   LOCATION L0004473     VOLUME   466749.754 3777783.378 406.00
   LOCATION L0004474     VOLUME   466756.990 3777778.748 406.00
   LOCATION L0004475     VOLUME   466764.226 3777774.119 406.00
   LOCATION L0004476     VOLUME   466771.462 3777769.490 406.00
   LOCATION L0004477     VOLUME   466778.698 3777764.861 405.91
   LOCATION L0004478     VOLUME   466785.934 3777760.232 405.60
   LOCATION L0004479     VOLUME   466793.170 3777755.603 405.29
   LOCATION L0004480     VOLUME   466800.406 3777750.974 404.98
   LOCATION L0004481     VOLUME   466807.642 3777746.345 404.68
   LOCATION L0004482     VOLUME   466814.878 3777741.716 404.50
   LOCATION L0004483     VOLUME   466822.114 3777737.086 404.46
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   LOCATION L0004484     VOLUME   466829.350 3777732.457 404.32
   LOCATION L0004485     VOLUME   466836.586 3777727.828 404.08
   LOCATION L0004486     VOLUME   466843.822 3777723.199 403.81
   LOCATION L0004487     VOLUME   466851.058 3777718.570 403.68
   LOCATION L0004488     VOLUME   466858.294 3777713.941 403.69
   LOCATION L0004489     VOLUME   466865.530 3777709.312 403.85
   LOCATION L0004490     VOLUME   466872.766 3777704.683 403.90
   LOCATION L0004491     VOLUME   466880.002 3777700.054 403.66
   LOCATION L0004492     VOLUME   466887.238 3777695.425 403.49
   LOCATION L0004493     VOLUME   466894.474 3777690.795 403.39
   LOCATION L0004494     VOLUME   466901.710 3777686.166 403.37
   LOCATION L0004495     VOLUME   466908.946 3777681.537 403.43
   LOCATION L0004496     VOLUME   466916.182 3777676.908 403.56
   LOCATION L0004497     VOLUME   466923.418 3777672.279 403.65
   LOCATION L0004498     VOLUME   466930.654 3777667.650 403.71
   LOCATION L0004499     VOLUME   466937.890 3777663.021 403.56
   LOCATION L0004500     VOLUME   466945.126 3777658.392 403.41
   LOCATION L0004501     VOLUME   466952.362 3777653.763 403.25
   LOCATION L0004502     VOLUME   466959.598 3777649.133 403.10
   LOCATION L0004503     VOLUME   466966.834 3777644.504 402.96
   LOCATION L0004504     VOLUME   466974.070 3777639.875 402.89
   LOCATION L0004505     VOLUME   466981.306 3777635.246 402.90
   LOCATION L0004506     VOLUME   466988.542 3777630.617 402.98
   LOCATION L0004507     VOLUME   466995.778 3777625.988 403.00
   LOCATION L0004508     VOLUME   467003.013 3777621.359 403.00
   LOCATION L0004509     VOLUME   467010.249 3777616.730 403.00
   LOCATION L0004510     VOLUME   467017.485 3777612.101 402.87
   LOCATION L0004511     VOLUME   467024.721 3777607.472 402.59
   LOCATION L0004512     VOLUME   467031.957 3777602.842 402.33
   LOCATION L0004513     VOLUME   467039.193 3777598.213 402.14
   LOCATION L0004514     VOLUME   467046.429 3777593.584 402.03
   LOCATION L0004515     VOLUME   467053.665 3777588.955 402.01
   LOCATION L0004516     VOLUME   467060.901 3777584.326 402.00
   LOCATION L0004517     VOLUME   467068.137 3777579.697 402.00
   LOCATION L0004518     VOLUME   467075.373 3777575.068 402.00
   LOCATION L0004519     VOLUME   467082.609 3777570.439 402.00
   LOCATION L0004520     VOLUME   467089.845 3777565.810 402.00
   LOCATION L0004521     VOLUME   467097.081 3777561.180 402.00
   LOCATION L0004522     VOLUME   467104.317 3777556.551 402.00
** End of LINE VOLUME Source ID = SLINE14
** ----------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE19
** DESCRSRC Offsite Pepper 100%
** PREFIX
** Length of Side = 14.00
** Configuration = Adjacent
** Emission Rate = 8.612E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 2
** 467427.289, 3777316.760, 395.41, 3.49, 6.51
** 467434.154, 3777035.822, 393.12, 3.49, 6.51
** ----------------------------------------------------------------
   LOCATION L0004523     VOLUME   467427.460 3777309.762 395.41
   LOCATION L0004524     VOLUME   467427.802 3777295.766 395.40
   LOCATION L0004525     VOLUME   467428.144 3777281.770 395.39
   LOCATION L0004526     VOLUME   467428.486 3777267.775 395.38
   LOCATION L0004527     VOLUME   467428.828 3777253.779 395.34
   LOCATION L0004528     VOLUME   467429.170 3777239.783 395.16
   LOCATION L0004529     VOLUME   467429.512 3777225.787 395.00
   LOCATION L0004530     VOLUME   467429.854 3777211.791 395.00
   LOCATION L0004531     VOLUME   467430.196 3777197.796 395.00
   LOCATION L0004532     VOLUME   467430.538 3777183.800 394.71
   LOCATION L0004533     VOLUME   467430.880 3777169.804 394.38
   LOCATION L0004534     VOLUME   467431.222 3777155.808 394.19
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   LOCATION L0004535     VOLUME   467431.564 3777141.812 394.05
   LOCATION L0004536     VOLUME   467431.906 3777127.816 394.00
   LOCATION L0004537     VOLUME   467432.248 3777113.821 394.00
   LOCATION L0004538     VOLUME   467432.590 3777099.825 394.00
   LOCATION L0004539     VOLUME   467432.932 3777085.829 394.00
   LOCATION L0004540     VOLUME   467433.274 3777071.833 393.89
   LOCATION L0004541     VOLUME   467433.616 3777057.837 393.51
   LOCATION L0004542     VOLUME   467433.958 3777043.842 393.18
** End of LINE VOLUME Source ID = SLINE19
   LOCATION STCK1        POINT      467103.760  3777436.820      401.800
** DESCRSRC Fire Pump
** --------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE20
** DESCRSRC Onsite 1 100%
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 8.763E-06
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 6
** 467425.912, 3777320.536, 395.49, 3.49, 4.00
** 467425.912, 3777349.002, 396.00, 3.49, 4.00
** 467421.959, 3777371.142, 396.00, 3.49, 4.00
** 467406.935, 3777390.910, 396.00, 3.49, 4.00
** 467379.260, 3777407.515, 396.00, 3.49, 4.00
** 467357.911, 3777416.213, 396.14, 3.49, 4.00
** --------------------------------------------------------------------
   LOCATION L0005132     VOLUME   467425.912 3777324.831 395.62
   LOCATION L0005133     VOLUME   467425.912 3777333.421 395.77
   LOCATION L0005134     VOLUME   467425.912 3777342.011 395.93
   LOCATION L0005135     VOLUME   467425.631 3777350.576 396.00
   LOCATION L0005136     VOLUME   467424.121 3777359.033 396.00
   LOCATION L0005137     VOLUME   467422.611 3777367.489 396.00
   LOCATION L0005138     VOLUME   467419.006 3777375.026 396.00
   LOCATION L0005139     VOLUME   467413.809 3777381.865 396.00
   LOCATION L0005140     VOLUME   467408.611 3777388.705 396.00
   LOCATION L0005141     VOLUME   467401.944 3777393.904 396.00
   LOCATION L0005142     VOLUME   467394.578 3777398.324 396.00
   LOCATION L0005143     VOLUME   467387.213 3777402.743 396.00
   LOCATION L0005144     VOLUME   467379.847 3777407.163 396.06
   LOCATION L0005145     VOLUME   467371.939 3777410.498 396.25
   LOCATION L0005146     VOLUME   467363.983 3777413.739 396.37
** End of LINE VOLUME Source ID = SLINE20
** --------------------------------------------------------------------
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE21
** DESCRSRC Onsite 2 50%
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00007432
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 14
** 467355.303, 3777423.445, 396.97, 3.49, 4.00
** 467169.215, 3777542.918, 401.92, 3.49, 4.00
** 466932.442, 3777691.354, 404.00, 3.49, 4.00
** 466508.856, 3777964.331, 411.00, 3.49, 4.00
** 466437.897, 3778004.880, 412.04, 3.49, 4.00
** 466422.691, 3777999.811, 412.04, 3.49, 4.00
** 466417.622, 3777987.502, 411.91, 3.49, 4.00
** 466417.622, 3777975.192, 412.00, 3.49, 4.00
** 466432.104, 3777960.711, 411.76, 3.49, 4.00
** 467212.660, 3777465.442, 400.64, 3.49, 4.00
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** 467235.830, 3777450.960, 400.07, 3.49, 4.00
** 467263.345, 3777437.203, 399.98, 3.49, 4.00
** 467294.480, 3777427.066, 399.06, 3.49, 4.00
** 467353.131, 3777413.308, 396.09, 3.49, 4.00
** ------------------------------------------------------------------
   LOCATION L0005147     VOLUME   467351.689 3777425.766 396.69
   LOCATION L0005148     VOLUME   467344.460 3777430.407 397.17
   LOCATION L0005149     VOLUME   467337.232 3777435.047 397.80
   LOCATION L0005150     VOLUME   467330.003 3777439.688 398.40
   LOCATION L0005151     VOLUME   467322.775 3777444.329 398.86
   LOCATION L0005152     VOLUME   467315.546 3777448.970 399.06
   LOCATION L0005153     VOLUME   467308.318 3777453.611 399.22
   LOCATION L0005154     VOLUME   467301.089 3777458.252 399.46
   LOCATION L0005155     VOLUME   467293.861 3777462.893 399.77
   LOCATION L0005156     VOLUME   467286.632 3777467.533 400.00
   LOCATION L0005157     VOLUME   467279.404 3777472.174 400.00
   LOCATION L0005158     VOLUME   467272.176 3777476.815 400.00
   LOCATION L0005159     VOLUME   467264.947 3777481.456 400.00
   LOCATION L0005160     VOLUME   467257.719 3777486.097 400.05
   LOCATION L0005161     VOLUME   467250.490 3777490.738 400.25
   LOCATION L0005162     VOLUME   467243.262 3777495.378 400.54
   LOCATION L0005163     VOLUME   467236.033 3777500.019 400.79
   LOCATION L0005164     VOLUME   467228.805 3777504.660 401.01
   LOCATION L0005165     VOLUME   467221.576 3777509.301 401.12
   LOCATION L0005166     VOLUME   467214.348 3777513.942 401.31
   LOCATION L0005167     VOLUME   467207.119 3777518.583 401.56
   LOCATION L0005168     VOLUME   467199.891 3777523.223 401.90
   LOCATION L0005169     VOLUME   467192.662 3777527.864 401.96
   LOCATION L0005170     VOLUME   467185.434 3777532.505 401.89
   LOCATION L0005171     VOLUME   467178.206 3777537.146 401.90
   LOCATION L0005172     VOLUME   467170.977 3777541.787 401.98
   LOCATION L0005173     VOLUME   467163.711 3777546.369 402.00
   LOCATION L0005174     VOLUME   467156.433 3777550.931 402.00
   LOCATION L0005175     VOLUME   467149.155 3777555.494 402.00
   LOCATION L0005176     VOLUME   467141.877 3777560.057 401.99
   LOCATION L0005177     VOLUME   467134.599 3777564.619 402.00
   LOCATION L0005178     VOLUME   467127.321 3777569.182 402.00
   LOCATION L0005179     VOLUME   467120.043 3777573.745 402.00
   LOCATION L0005180     VOLUME   467112.765 3777578.307 402.00
   LOCATION L0005181     VOLUME   467105.487 3777582.870 402.00
   LOCATION L0005182     VOLUME   467098.209 3777587.433 402.04
   LOCATION L0005183     VOLUME   467090.931 3777591.995 402.19
   LOCATION L0005184     VOLUME   467083.653 3777596.558 402.34
   LOCATION L0005185     VOLUME   467076.375 3777601.121 402.44
   LOCATION L0005186     VOLUME   467069.096 3777605.684 402.42
   LOCATION L0005187     VOLUME   467061.818 3777610.246 402.32
   LOCATION L0005188     VOLUME   467054.540 3777614.809 402.15
   LOCATION L0005189     VOLUME   467047.262 3777619.372 402.18
   LOCATION L0005190     VOLUME   467039.984 3777623.934 402.50
   LOCATION L0005191     VOLUME   467032.706 3777628.497 402.75
   LOCATION L0005192     VOLUME   467025.428 3777633.060 402.92
   LOCATION L0005193     VOLUME   467018.150 3777637.622 403.00
   LOCATION L0005194     VOLUME   467010.872 3777642.185 403.00
   LOCATION L0005195     VOLUME   467003.594 3777646.748 403.01
   LOCATION L0005196     VOLUME   466996.316 3777651.310 403.13
   LOCATION L0005197     VOLUME   466989.038 3777655.873 403.32
   LOCATION L0005198     VOLUME   466981.760 3777660.436 403.47
   LOCATION L0005199     VOLUME   466974.482 3777664.998 403.63
   LOCATION L0005200     VOLUME   466967.204 3777669.561 403.78
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE22
** DESCRSRC Onsite 3 50%
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.00003954
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 14
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   LOCATION L0005512     VOLUME   466495.937 3777656.403 407.00
   LOCATION L0005513     VOLUME   466488.709 3777661.045 407.00
   LOCATION L0005514     VOLUME   466481.481 3777665.687 407.00
   LOCATION L0005515     VOLUME   466474.253 3777670.329 407.19
   LOCATION L0005516     VOLUME   466467.026 3777674.971 407.43
   LOCATION L0005517     VOLUME   466459.798 3777679.613 407.71
   LOCATION L0005518     VOLUME   466452.570 3777684.255 407.93
   LOCATION L0005519     VOLUME   466445.342 3777688.897 408.00
   LOCATION L0005520     VOLUME   466443.574 3777694.835 408.00
   LOCATION L0005521     VOLUME   466447.944 3777702.231 408.00
   LOCATION L0005522     VOLUME   466452.314 3777709.626 408.00
   LOCATION L0005523     VOLUME   466456.684 3777717.021 408.00
   LOCATION L0005524     VOLUME   466461.054 3777724.417 408.00
   LOCATION L0005525     VOLUME   466465.424 3777731.812 408.00
   LOCATION L0005526     VOLUME   466469.794 3777739.207 408.10
   LOCATION L0005527     VOLUME   466474.164 3777746.603 408.35
   LOCATION L0005528     VOLUME   466478.534 3777753.998 408.59
   LOCATION L0005529     VOLUME   466482.904 3777761.393 408.75
   LOCATION L0005530     VOLUME   466487.274 3777768.789 408.75
   LOCATION L0005531     VOLUME   466491.644 3777776.184 408.61
   LOCATION L0005532     VOLUME   466496.014 3777783.579 408.46
   LOCATION L0005533     VOLUME   466500.384 3777790.975 408.32
   LOCATION L0005534     VOLUME   466504.754 3777798.370 408.23
   LOCATION L0005535     VOLUME   466509.124 3777805.766 408.33
   LOCATION L0005536     VOLUME   466513.494 3777813.161 408.56
   LOCATION L0005537     VOLUME   466517.864 3777820.556 408.81
   LOCATION L0005538     VOLUME   466522.234 3777827.952 409.00
   LOCATION L0005539     VOLUME   466526.604 3777835.347 409.00
   LOCATION L0005540     VOLUME   466530.974 3777842.742 409.00
   LOCATION L0005541     VOLUME   466535.344 3777850.138 409.00
   LOCATION L0005542     VOLUME   466539.714 3777857.533 409.04
   LOCATION L0005543     VOLUME   466544.084 3777864.928 409.25
** End of LINE VOLUME Source ID = SLINE22
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** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE23
** DESCRSRC Onsite 4 100%
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 0.0001147
** Vertical Dimension = 6.99
** SZINIT = 3.25
** Nodes = 19
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** 466299.598, 3777773.899, 411.16, 3.49, 4.00
** 466291.633, 3777744.212, 411.85, 3.49, 4.00
** 466293.805, 3777717.421, 414.31, 3.49, 4.00
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LOCATION L0005549 VOLUME 466385.949 3777922.742 411.32
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LOCATION L0005551 VOLUME 466377.328 3777907.881 411.30
LOCATION L0005552 VOLUME 466373.017 3777900.451 411.27
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LOCATION L0005561 VOLUME 466334.222 3777833.580 411.21
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LOCATION L0005566 VOLUME 466312.669 3777796.429 411.57
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LOCATION L0005568 VOLUME 466304.048 3777781.569 411.44
LOCATION L0005569 VOLUME 466299.737 3777774.139 411.27
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LOCATION L0005574 VOLUME 466292.597 3777732.315 412.32
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LOCATION L0005577 VOLUME 466301.251 3777709.561 413.58
LOCATION L0005578 VOLUME 466307.162 3777703.998 413.53
LOCATION L0005579 VOLUME 466313.132 3777710.174 412.84
LOCATION L0005580 VOLUME 466319.103 3777716.350 412.14
LOCATION L0005581 VOLUME 466325.073 3777722.526 411.60
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LOCATION L0005585 VOLUME 466343.771 3777751.255 410.77
LOCATION L0005586 VOLUME 466348.276 3777758.569 410.54
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LOCATION L0005588 VOLUME 466357.286 3777773.197 410.30
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LOCATION L0005593 VOLUME 466379.811 3777809.767 410.64
LOCATION L0005594 VOLUME 466384.316 3777817.081 410.75
LOCATION L0005595 VOLUME 466388.821 3777824.395 410.94
LOCATION L0005596 VOLUME 466393.325 3777831.709 410.88
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LOCATION L0005598 VOLUME 466402.335 3777846.336 410.58
LOCATION L0005599 VOLUME 466406.840 3777853.650 410.43
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LOCATION L0005601 VOLUME 466415.850 3777868.278 410.48
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LOCATION L0005603 VOLUME 466424.860 3777882.906 410.74
LOCATION L0005604 VOLUME 466429.365 3777890.220 410.73
LOCATION L0005605 VOLUME 466433.870 3777897.534 410.71
LOCATION L0005606 VOLUME 466438.375 3777904.848 410.77
LOCATION L0005607 VOLUME 466442.880 3777912.162 410.90
LOCATION L0005608 VOLUME 466447.385 3777919.476 411.01
LOCATION L0005609 VOLUME 466452.457 3777924.221 410.94
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LOCATION L0005622 VOLUME 466467.677 3777845.747 409.79
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LOCATION L0005629 VOLUME 466435.732 3777794.804 409.45
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LOCATION L0005633 VOLUME 466417.478 3777765.694 409.08
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LOCATION L0005636 VOLUME 466403.787 3777743.861 409.54
LOCATION L0005637 VOLUME 466399.224 3777736.584 409.69
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LOCATION L0005641 VOLUME 466380.970 3777707.474 410.58
LOCATION L0005642 VOLUME 466376.406 3777700.196 410.90
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LOCATION L0005646 VOLUME 466358.152 3777671.086 412.06
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LOCATION L0005651 VOLUME 466335.334 3777634.699 412.75
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LOCATION L0005661 VOLUME 466390.028 3777615.870 409.98
LOCATION L0005662 VOLUME 466394.566 3777623.163 409.69
LOCATION L0005663 VOLUME 466399.104 3777630.457 409.38
LOCATION L0005664 VOLUME 466403.642 3777637.750 409.08
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LOCATION L0005669 VOLUME 466426.333 3777674.217 408.00
LOCATION L0005670 VOLUME 466430.871 3777681.511 408.00
LOCATION L0005671 VOLUME 466435.409 3777688.804 408.00
LOCATION L0005672 VOLUME 466441.154 3777690.692 408.00
LOCATION L0005673 VOLUME 466448.363 3777686.021 408.00
LOCATION L0005674 VOLUME 466455.572 3777681.350 407.84
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LOCATION L0005678 VOLUME 466484.409 3777662.668 407.00
LOCATION L0005679 VOLUME 466487.748 3777657.223 407.00
LOCATION L0005680 VOLUME 466482.890 3777650.138 407.00
LOCATION L0005681 VOLUME 466478.032 3777643.054 407.06
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LOCATION L0005683 VOLUME 466468.317 3777628.885 407.38
LOCATION L0005684 VOLUME 466463.459 3777621.801 407.55
LOCATION L0005685 VOLUME 466458.601 3777614.716 407.71
LOCATION L0005686 VOLUME 466455.757 3777608.047 407.80
LOCATION L0005687 VOLUME 466463.019 3777603.459 407.56
LOCATION L0005688 VOLUME 466470.281 3777598.870 407.32
LOCATION L0005689 VOLUME 466477.543 3777594.282 407.08
LOCATION L0005690 VOLUME 466484.805 3777589.694 406.83
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LOCATION L0005692 VOLUME 466499.329 3777580.518 406.35
LOCATION L0005693 VOLUME 466506.591 3777575.930 406.11
LOCATION L0005694 VOLUME 466513.853 3777571.342 406.00
LOCATION L0005695 VOLUME 466521.115 3777566.753 406.00
LOCATION L0005696 VOLUME 466528.378 3777562.165 406.00
LOCATION L0005697 VOLUME 466535.640 3777557.577 406.00
LOCATION L0005698 VOLUME 466542.902 3777552.989 405.90
LOCATION L0005699 VOLUME 466550.164 3777548.401 405.66
LOCATION L0005700 VOLUME 466557.426 3777543.813 405.41
LOCATION L0005701 VOLUME 466564.688 3777539.225 405.17
LOCATION L0005702 VOLUME 466571.950 3777534.636 404.98
LOCATION L0005703 VOLUME 466579.212 3777530.048 404.96
LOCATION L0005704 VOLUME 466586.474 3777525.460 405.00
LOCATION L0005705 VOLUME 466593.736 3777520.872 405.00
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LOCATION L0005707 VOLUME 466608.260 3777511.696 404.72
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LOCATION L0005709 VOLUME 466622.784 3777502.519 404.24
LOCATION L0005710 VOLUME 466626.108 3777497.004 404.12
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LOCATION L0005712 VOLUME 466617.204 3777482.312 404.42
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LOCATION L0005714 VOLUME 466604.698 3777479.534 404.84
LOCATION L0005715 VOLUME 466596.922 3777483.183 405.00
LOCATION L0005716 VOLUME 466589.146 3777486.833 405.00
LOCATION L0005717 VOLUME 466581.370 3777490.483 405.00
LOCATION L0005718 VOLUME 466573.183 3777491.898 405.00
LOCATION L0005719 VOLUME 466564.617 3777491.256 405.17
LOCATION L0005720 VOLUME 466556.051 3777490.613 405.46
LOCATION L0005721 VOLUME 466547.668 3777490.702 405.74
LOCATION L0005722 VOLUME 466540.413 3777495.301 405.98
LOCATION L0005723 VOLUME 466533.158 3777499.901 406.20
LOCATION L0005724 VOLUME 466525.903 3777504.500 406.34
LOCATION L0005725 VOLUME 466518.648 3777509.099 406.40
LOCATION L0005726 VOLUME 466511.393 3777513.698 406.40
LOCATION L0005727 VOLUME 466504.138 3777518.297 406.40
LOCATION L0005728 VOLUME 466496.883 3777522.896 406.49
LOCATION L0005729 VOLUME 466489.628 3777527.496 406.67
LOCATION L0005730 VOLUME 466482.373 3777532.095 406.92
LOCATION L0005731 VOLUME 466475.118 3777536.694 407.00
LOCATION L0005732 VOLUME 466467.863 3777541.293 407.00
LOCATION L0005733 VOLUME 466460.608 3777545.892 407.00
LOCATION L0005734 VOLUME 466453.353 3777550.492 407.00
LOCATION L0005735 VOLUME 466446.097 3777555.091 407.12
LOCATION L0005736 VOLUME 466438.842 3777559.690 407.44
LOCATION L0005737 VOLUME 466431.587 3777564.289 407.71
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LOCATION L0005740 VOLUME 466409.822 3777578.087 408.33
LOCATION L0005741 VOLUME 466402.567 3777582.686 408.58
LOCATION L0005742 VOLUME 466395.312 3777587.285 408.85

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   LOCATION L0005743     VOLUME   466388.057 3777591.884 409.35
** End of LINE VOLUME Source ID = SLINE23
** Source Parameters **
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   SRCPARAM L0003956     0.000000348      3.49      4.00      3.25
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   SRCPARAM L0003961     0.000000348      3.49      4.00      3.25
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   SRCPARAM L0003970     0.000000348      3.49      4.00      3.25
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   SRCPARAM L0004015     0.000000348      3.49      4.00      3.25
   SRCPARAM L0004016     0.000000348      3.49      4.00      3.25
   SRCPARAM L0004017     0.000000348      3.49      4.00      3.25
   SRCPARAM L0004018     0.000000348      3.49      4.00      3.25
   SRCPARAM L0004019     0.000000348      3.49      4.00      3.25
   SRCPARAM L0004020     0.000000348      3.49      4.00      3.25
   SRCPARAM L0004021     0.000000348      3.49      4.00      3.25
   SRCPARAM L0004022     0.000000348      3.49      4.00      3.25
   SRCPARAM L0004023     0.000000348      3.49      4.00      3.25
   SRCPARAM L0004024     0.000000348      3.49      4.00      3.25
   SRCPARAM L0004025     0.000000348      3.49      4.00      3.25
   SRCPARAM L0004026     0.000000348      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE2
   SRCPARAM L0004027     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004028     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004029     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004030     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004031     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004032     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004033     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004034     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004035     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004036     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004037     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004038     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004039     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004040     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004041     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004042     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004043     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004044     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004045     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004046     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004047     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004048     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004049     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004050     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004051     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004052     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004053     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004054     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004055     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004056     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004057     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004058     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004059     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004060     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004061     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004062     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004063     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004064     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004065     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004066     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004067     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004068     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004069     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004070     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004071     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004072     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004073     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004074     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004075     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004076     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004077     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004078     0.0000003483      3.49      4.00      3.25
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   SRCPARAM L0004079     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004080     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004081     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004082     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004083     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004084     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004085     0.0000003483      3.49      4.00      3.25
   SRCPARAM L0004086     0.0000003483      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE3
   SRCPARAM L0004087     0.0000003331      3.49      4.00      3.25
   SRCPARAM L0004088     0.0000003331      3.49      4.00      3.25
   SRCPARAM L0004089     0.0000003331      3.49      4.00      3.25
   SRCPARAM L0004090     0.0000003331      3.49      4.00      3.25
   SRCPARAM L0004091     0.0000003331      3.49      4.00      3.25
   SRCPARAM L0004092     0.0000003331      3.49      4.00      3.25
   SRCPARAM L0004093     0.0000003331      3.49      4.00      3.25
   SRCPARAM L0004094     0.0000003331      3.49      4.00      3.25
   SRCPARAM L0004095     0.0000003331      3.49      4.00      3.25
   SRCPARAM L0004096     0.0000003331      3.49      4.00      3.25
   SRCPARAM L0004097     0.0000003331      3.49      4.00      3.25
   SRCPARAM L0004098     0.0000003331      3.49      4.00      3.25
   SRCPARAM L0004099     0.0000003331      3.49      4.00      3.25
   SRCPARAM L0004100     0.0000003331      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE4
   SRCPARAM L0004101     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004102     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004103     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004104     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004105     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004106     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004107     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004108     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004109     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004110     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004111     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004112     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004113     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004114     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004115     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004116     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004117     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004118     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004119     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004120     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004121     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004122     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004123     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004124     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004125     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004126     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004127     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004128     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004129     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004130     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004131     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004132     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004133     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004134     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004135     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004136     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004137     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004138     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004139     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004140     0.00000004057      3.49      4.00      3.25
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   SRCPARAM L0004141     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004142     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004143     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004144     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004145     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004146     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004147     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004148     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004149     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004150     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004151     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004152     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004153     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004154     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004155     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004156     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004157     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004158     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004159     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004160     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004161     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004162     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004163     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004164     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004165     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004166     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004167     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004168     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004169     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004170     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004171     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004172     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004173     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004174     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004175     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004176     0.00000004057      3.49      4.00      3.25
   SRCPARAM L0004177     0.00000004057      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE5
   SRCPARAM L0004178     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004179     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004180     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004181     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004182     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004183     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004184     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004185     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004186     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004187     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004188     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004189     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004190     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004191     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004192     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004193     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004194     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004195     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004196     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004197     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004198     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004199     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004200     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004201     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004202     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004203     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004204     0.00000004083      3.49      4.00      3.25
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   SRCPARAM L0004205     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004206     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004207     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004208     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004209     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004210     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004211     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004212     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004213     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004214     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004215     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004216     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004217     0.00000004083      3.49      4.00      3.25
   SRCPARAM L0004218     0.00000004083      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE6
   SRCPARAM L0004219     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004220     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004221     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004222     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004223     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004224     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004225     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004226     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004227     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004228     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004229     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004230     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004231     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004232     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004233     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004234     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004235     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004236     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004237     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004238     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004239     0.00000004114      3.49      4.00      3.25
   SRCPARAM L0004240     0.00000004114      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE7
   SRCPARAM L0004241     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004242     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004243     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004244     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004245     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004246     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004247     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004248     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004249     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004250     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004251     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004252     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004253     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004254     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004255     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004256     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004257     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004258     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004259     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004260     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004261     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004262     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004263     0.00000003995      3.49      4.00      3.25
   SRCPARAM L0004264     0.00000003995      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE8
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   SRCPARAM L0004265     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004266     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004267     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004268     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004269     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004270     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004271     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004272     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004273     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004274     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004275     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004276     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004277     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004278     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004279     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004280     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004281     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004282     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004283     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004284     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004285     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004286     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004287     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004288     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004289     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004290     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004291     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004292     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004293     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004294     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004295     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004296     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004297     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004298     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004299     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004300     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004301     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004302     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004303     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004304     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004305     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004306     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004307     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004308     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004309     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004310     0.00000004036      3.49      4.00      3.25
   SRCPARAM L0004311     0.00000004036      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE9
   SRCPARAM L0004312     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004313     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004314     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004315     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004316     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004317     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004318     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004319     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004320     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004321     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004322     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004323     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004324     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004325     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004326     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004327     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004328     0.00000004081      3.49      4.00      3.25
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   SRCPARAM L0004329     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004330     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004331     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004332     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004333     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004334     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004335     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004336     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004337     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004338     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004339     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004340     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004341     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004342     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004343     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004344     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004345     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004346     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004347     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004348     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004349     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004350     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004351     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004352     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004353     0.00000004081      3.49      4.00      3.25
   SRCPARAM L0004354     0.00000004081      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE10
   SRCPARAM L0004355     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004356     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004357     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004358     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004359     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004360     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004361     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004362     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004363     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004364     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004365     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004366     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004367     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004368     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004369     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004370     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004371     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004372     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004373     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004374     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004375     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004376     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004377     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004378     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004379     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004380     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004381     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004382     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004383     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004384     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004385     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004386     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004387     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004388     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004389     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004390     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004391     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004392     0.00000004068      3.49      4.00      3.25
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   SRCPARAM L0004393     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004394     0.00000004068      3.49      4.00      3.25
   SRCPARAM L0004395     0.00000004068      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE11
   SRCPARAM L0004396     0.00000003971      3.49      4.00      3.25
   SRCPARAM L0004397     0.00000003971      3.49      4.00      3.25
   SRCPARAM L0004398     0.00000003971      3.49      4.00      3.25
   SRCPARAM L0004399     0.00000003971      3.49      4.00      3.25
   SRCPARAM L0004400     0.00000003971      3.49      4.00      3.25
   SRCPARAM L0004401     0.00000003971      3.49      4.00      3.25
   SRCPARAM L0004402     0.00000003971      3.49      4.00      3.25
   SRCPARAM L0004403     0.00000003971      3.49      4.00      3.25
   SRCPARAM L0004404     0.00000003971      3.49      4.00      3.25
   SRCPARAM L0004405     0.00000003971      3.49      4.00      3.25
   SRCPARAM L0004406     0.00000003971      3.49      4.00      3.25
   SRCPARAM L0004407     0.00000003971      3.49      4.00      3.25
   SRCPARAM L0004408     0.00000003971      3.49      4.00      3.25
   SRCPARAM L0004409     0.00000003971      3.49      4.00      3.25
   SRCPARAM L0004410     0.00000003971      3.49      4.00      3.25
   SRCPARAM L0004411     0.00000003971      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE12
   SRCPARAM L0004412     0.00000003578      3.49      4.00      3.25
   SRCPARAM L0004413     0.00000003578      3.49      4.00      3.25
   SRCPARAM L0004414     0.00000003578      3.49      4.00      3.25
   SRCPARAM L0004415     0.00000003578      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE13
   SRCPARAM L0004416     0.00000003988      3.49      4.00      3.25
   SRCPARAM L0004417     0.00000003988      3.49      4.00      3.25
   SRCPARAM L0004418     0.00000003988      3.49      4.00      3.25
   SRCPARAM L0004419     0.00000003988      3.49      4.00      3.25
   SRCPARAM L0004420     0.00000003988      3.49      4.00      3.25
   SRCPARAM L0004421     0.00000003988      3.49      4.00      3.25
   SRCPARAM L0004422     0.00000003988      3.49      4.00      3.25
   SRCPARAM L0004423     0.00000003988      3.49      4.00      3.25
   SRCPARAM L0004424     0.00000003988      3.49      4.00      3.25
   SRCPARAM L0004425     0.00000003988      3.49      4.00      3.25
   SRCPARAM L0004426     0.00000003988      3.49      4.00      3.25
   SRCPARAM L0004427     0.00000003988      3.49      4.00      3.25
   SRCPARAM L0004428     0.00000003988      3.49      4.00      3.25
   SRCPARAM L0004429     0.00000003988      3.49      4.00      3.25
   SRCPARAM L0004430     0.00000003988      3.49      4.00      3.25
   SRCPARAM L0004431     0.00000003988      3.49      4.00      3.25
   SRCPARAM L0004432     0.00000003988      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE14
   SRCPARAM L0004433     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004434     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004435     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004436     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004437     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004438     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004439     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004440     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004441     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004442     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004443     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004444     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004445     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004446     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004447     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004448     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004449     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004450     0.00000004072      3.49      4.00      3.25
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SRCPARAM L0004451     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004452     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004453     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004454     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004455     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004456     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004457     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004458     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004459     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004460     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004461     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004462     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004463     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004464     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004465     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004466     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004467     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004468     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004469     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004470     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004471     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004472     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004473     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004474     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004475     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004476     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004477     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004478     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004479     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004480     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004481     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004482     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004483     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004484     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004485     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004486     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004487     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004488     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004489     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004490     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004491     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004492     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004493     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004494     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004495     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004496     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004497     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004498     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004499     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004500     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004501     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004502     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004503     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004504     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004505     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004506     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004507     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004508     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004509     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004510     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004511     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004512     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004513     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004514     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004515     0.00000004072      3.49      4.00      3.25
SRCPARAM L0004516     0.00000004072      3.49      4.00      3.25
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   SRCPARAM L0004517     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004518     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004519     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004520     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004521     0.00000004072      3.49      4.00      3.25
   SRCPARAM L0004522     0.00000004072      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE19
   SRCPARAM L0004523     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004524     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004525     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004526     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004527     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004528     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004529     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004530     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004531     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004532     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004533     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004534     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004535     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004536     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004537     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004538     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004539     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004540     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004541     0.0000004306      3.49      6.51      3.25
   SRCPARAM L0004542     0.0000004306      3.49      6.51      3.25
** ------------------------------------------------------------------
   SRCPARAM STCK1        0.0176397033     3.550   728.550     54.78      0.13
** LINE VOLUME Source ID = SLINE20
   SRCPARAM L0005132     0.0000005842      3.49      4.00      3.25
   SRCPARAM L0005133     0.0000005842      3.49      4.00      3.25
   SRCPARAM L0005134     0.0000005842      3.49      4.00      3.25
   SRCPARAM L0005135     0.0000005842      3.49      4.00      3.25
   SRCPARAM L0005136     0.0000005842      3.49      4.00      3.25
   SRCPARAM L0005137     0.0000005842      3.49      4.00      3.25
   SRCPARAM L0005138     0.0000005842      3.49      4.00      3.25
   SRCPARAM L0005139     0.0000005842      3.49      4.00      3.25
   SRCPARAM L0005140     0.0000005842      3.49      4.00      3.25
   SRCPARAM L0005141     0.0000005842      3.49      4.00      3.25
   SRCPARAM L0005142     0.0000005842      3.49      4.00      3.25
   SRCPARAM L0005143     0.0000005842      3.49      4.00      3.25
   SRCPARAM L0005144     0.0000005842      3.49      4.00      3.25
   SRCPARAM L0005145     0.0000005842      3.49      4.00      3.25
   SRCPARAM L0005146     0.0000005842      3.49      4.00      3.25
** ------------------------------------------------------------------
** LINE VOLUME Source ID = SLINE21
   SRCPARAM L0005147     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005148     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005149     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005150     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005151     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005152     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005153     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005154     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005155     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005156     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005157     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005158     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005159     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005160     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005161     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005162     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005163     0.0000002869      3.49      4.00      3.25
   SRCPARAM L0005164     0.0000002869      3.49      4.00      3.25
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SRCPARAM L0005165     0.0000002869      3.49      4.00      3.25
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SRCPARAM L0005492     0.0000002865      3.49      4.00      3.25
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** Building Downwash **
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   BUILDHGT STCK1           16.76    16.76    16.76    16.76    16.76    16.76
   BUILDHGT STCK1           16.76    16.76    16.76    16.76    16.76    16.76
   BUILDHGT STCK1           16.76    16.76    16.76    16.76    16.76    16.76
   BUILDHGT STCK1           16.76    16.76    16.76    16.76    16.76    16.76
   BUILDHGT STCK1           16.76    16.76    16.76    16.76    16.76    16.76

   BUILDWID STCK1          667.14   680.99   674.14   683.82   680.01   655.97
```

```
   BUILDWID STCK1          616.75   558.78   483.84   396.45   302.73   199.81
   BUILDWID STCK1          251.77   348.82   436.47   510.86   579.68   633.03
   BUILDWID STCK1          667.14   680.99   674.14   683.82   680.01   655.97
   BUILDWID STCK1          616.75   558.78   483.84   396.45   302.73   199.81
   BUILDWID STCK1          251.77   348.82   436.47   510.86   579.68   633.03

   BUILDLEN STCK1          396.45   302.73   199.81   251.77   348.82   436.47
   BUILDLEN STCK1          510.86   579.68   633.03   667.14   680.99   674.14
   BUILDLEN STCK1          683.82   680.01   655.97   616.75   558.78   483.84
   BUILDLEN STCK1          396.45   302.73   199.81   251.77   348.82   436.47
   BUILDLEN STCK1          510.86   579.68   633.03   667.14   680.99   674.14
   BUILDLEN STCK1          683.82   680.01   655.97   616.75   558.78   483.84

   XBADJ    STCK1          -90.57  -105.12  -116.49  -198.12  -298.06  -388.95
   XBADJ    STCK1         -468.01  -542.82  -603.27  -645.39  -667.90  -670.12
   XBADJ    STCK1         -669.75  -653.76  -617.91  -563.28  -491.54  -404.86
   XBADJ    STCK1         -305.88  -197.61   -83.33   -53.65   -50.76   -47.52
   XBADJ    STCK1          -42.84   -36.86   -29.76   -21.75   -13.09    -4.02
   XBADJ    STCK1          -14.07   -26.25   -38.06   -53.47   -67.24   -78.98

   YBADJ    STCK1          311.82   327.41   333.05   327.84   313.76   289.92
   YBADJ    STCK1          254.91   212.15   162.94   107.66    46.24   -16.58
   YBADJ    STCK1          -72.23  -123.65  -170.71  -212.59  -252.98  -286.76
   YBADJ    STCK1         -311.82  -327.41  -333.05  -327.84  -313.76  -289.92
   YBADJ    STCK1         -254.91  -212.15  -162.94  -107.66   -46.24    16.58
   YBADJ    STCK1           72.23   123.65   170.71   212.59   252.98   286.76

   URBANSRC ALL

** Variable Emissions Type: "By Hour / Seven Days (HRDOW7)"
** Variable Emission Scenario: "Scenario 1"
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 1.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   EMISFACT STCK1        HRDOW7 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
   SRCGROUP ALL
SO FINISHED
**
**************************************
** AERMOD Receptor Pathway
**************************************
**
**
RE STARTING
   INCLUDED "14324 Ops.rou"
RE FINISHED
**
**************************************
** AERMOD Meteorology Pathway
```

```
**************************************
**
**
ME STARTING
   SURFFILE FONT_v9.SFC
   PROFFILE FONT_v9.PFL
   SURFDATA 3102 2011
   UAIRDATA 3190 2011
   SITEDATA 99999 2011
   PROFBASE 367.0 METERS
ME FINISHED
**
**************************************
** AERMOD Output Pathway
**************************************
**
**
OU STARTING
** Auto-Generated Plotfiles
   PLOTFILE PERIOD ALL "14324 Ops.AD\PE00GALL.PLT" 31
   SUMMFILE "14324 Ops.sum"
OU FINISHED


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

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

 A Total of            0 Fatal Error Message(s)
 A Total of            3 Warning Message(s)
 A Total of            0 Informational Message(s)


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


    ********   WARNING MESSAGES   ********
 SO W320    2207        PPARM: Input Parameter May Be Out-of-Range for Parameter           VS
 ME W186    2914       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used         0.50
 ME W187    2914       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET

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

FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/26/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:09:04

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

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

 ** Model Options Selected:
      * Model Uses Regulatory DEFAULT Options
      * Model Is Setup For Calculation of Average CONCentration Values.
      * NO GAS DEPOSITION Data Provided.
      * NO PARTICLE DEPOSITION Data Provided.
      * Model Uses NO DRY DEPLETION. DDPLETE  =  F
      * Model Uses NO WET DEPLETION. WETDPLT  =  F
      * Stack-tip Downwash.
```

```
     * Model Accounts for ELEVated Terrain Effects.
     * Use Calms Processing Routine.
     * Use Missing Data Processing Routine.
     * No Exponential Decay.
     * Model Uses URBAN Dispersion Algorithm for the SBL for  1203 Source(s),
       for Total of    1 Urban Area(s):
  Urban Population =   2035210.0 ;  Urban Roughness Length =  1.000 m
     * Urban Roughness Length of 1.0 Meter Used.
     * ADJ_U*   - Use ADJ_U* option for SBL in AERMET
     * TEMP_Sub - Meteorological data includes TEMP substitutions
     * Model Assumes No FLAGPOLE Receptor Heights.
     * The User Specified a Pollutant Type of: DPM

 **Model Calculates PERIOD Averages Only

 **This Run Includes:   1203 Source(s);       1 Source Group(s); and     136 Receptor(s)

               with:      1 POINT(s), including
                          0 POINTCAP(s) and      0 POINTHOR(s)
                and:   1202 VOLUME source(s)
                and:      0 AREA type source(s)
                and:      0 LINE source(s)
                and:      0 RLINE/RLINEXT source(s)
                and:      0 OPENPIT source(s)
                and:      0 BUOYANT LINE source(s) with a total of     0 line(s)
                and:      0 SWPOINT source(s)


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

 **The AERMET Input Meteorological Data Version Date:  16216

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

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

 **Misc. Inputs:  Base Elev. for Pot. Temp. Profile (m MSL) =   367.00 ;  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 =      7.2 MB of RAM.

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

 **Detailed Error/Message File:   14324
 Ops.err
 **File for Summary of Results:   14324
 Ops.sum
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/26/24
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       09:09:04

                      PAGE   2
 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
```

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE STACK PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	HOR VARY BY	CAP/ SCALAR
STCK1	0	0.17640E-01	467103.8	3777436.8	401.8	3.55	728.55	54.78	0.13	YES	YES	NO	HRDOW7

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER EMISSION RATE URBAN PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	AIRCRAFT SOURCE	SCALAR VARY BY
L0003953	0	0.34800E-06	466579.8	3777845.3	408.6	3.49	4.00	3.25	YES	NO	
L0003954	0	0.34800E-06	466587.0	3777840.7	408.5	3.49	4.00	3.25	YES	NO	
L0003955	0	0.34800E-06	466594.2	3777836.1	408.3	3.49	4.00	3.25	YES	NO	
L0003956	0	0.34800E-06	466601.5	3777831.5	408.2	3.49	4.00	3.25	YES	NO	
L0003957	0	0.34800E-06	466608.7	3777826.9	408.0	3.49	4.00	3.25	YES	NO	
L0003958	0	0.34800E-06	466616.0	3777822.2	408.0	3.49	4.00	3.25	YES	NO	
L0003959	0	0.34800E-06	466623.2	3777817.6	408.0	3.49	4.00	3.25	YES	NO	
L0003960	0	0.34800E-06	466630.5	3777813.0	408.0	3.49	4.00	3.25	YES	NO	
L0003961	0	0.34800E-06	466637.7	3777808.4	407.8	3.49	4.00	3.25	YES	NO	
L0003962	0	0.34800E-06	466644.9	3777803.8	407.6	3.49	4.00	3.25	YES	NO	
L0003963	0	0.34800E-06	466652.2	3777799.1	407.3	3.49	4.00	3.25	YES	NO	
L0003964	0	0.34800E-06	466659.4	3777794.5	407.0	3.49	4.00	3.25	YES	NO	
L0003965	0	0.34800E-06	466666.7	3777789.9	406.8	3.49	4.00	3.25	YES	NO	
L0003966	0	0.34800E-06	466673.9	3777785.3	406.6	3.49	4.00	3.25	YES	NO	
L0003967	0	0.34800E-06	466681.2	3777780.7	406.5	3.49	4.00	3.25	YES	NO	
L0003968	0	0.34800E-06	466688.4	3777776.0	406.3	3.49	4.00	3.25			

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 YES                    NO
 L0003969         0   0.34800E-06  466695.6 3777771.4   406.1     3.49     4.00     3.25
 YES                    NO
 L0003970         0   0.34800E-06  466702.9 3777766.8   406.0     3.49     4.00     3.25
 YES                    NO
 L0003971         0   0.34800E-06  466710.1 3777762.2   405.9     3.49     4.00     3.25
 YES                    NO
 L0003972         0   0.34800E-06  466717.4 3777757.6   405.7     3.49     4.00     3.25
 YES                    NO
 L0003973         0   0.34800E-06  466724.6 3777753.0   405.5     3.49     4.00     3.25
 YES                    NO
 L0003974         0   0.34800E-06  466731.9 3777748.3   405.2     3.49     4.00     3.25
 YES                    NO
 L0003975         0   0.34800E-06  466739.1 3777743.7   404.8     3.49     4.00     3.25
 YES                    NO
 L0003976         0   0.34800E-06  466746.3 3777739.1   404.3     3.49     4.00     3.25
 YES                    NO
 L0003977         0   0.34800E-06  466753.6 3777734.5   403.9     3.49     4.00     3.25
 YES                    NO
 L0003978         0   0.34800E-06  466760.8 3777729.9   403.6     3.49     4.00     3.25
 YES                    NO
 L0003979         0   0.34800E-06  466768.1 3777725.2   403.3     3.49     4.00     3.25
 YES                    NO
 L0003980         0   0.34800E-06  466775.3 3777720.6   403.0     3.49     4.00     3.25
 YES                    NO
 L0003981         0   0.34800E-06  466782.6 3777716.0   402.7     3.49     4.00     3.25
 YES                    NO
 L0003982         0   0.34800E-06  466789.8 3777711.4   402.3     3.49     4.00     3.25
 YES                    NO
 L0003983         0   0.34800E-06  466797.0 3777706.8   402.0     3.49     4.00     3.25
 YES                    NO
 L0003984         0   0.34800E-06  466804.3 3777702.1   401.9     3.49     4.00     3.25
 YES                    NO
 L0003985         0   0.34800E-06  466811.5 3777697.5   401.7     3.49     4.00     3.25
 YES                    NO
 L0003986         0   0.34800E-06  466818.8 3777692.9   401.7     3.49     4.00     3.25
 YES                    NO
 L0003987         0   0.34800E-06  466826.0 3777688.3   401.7     3.49     4.00     3.25
 YES                    NO
 L0003988         0   0.34800E-06  466833.2 3777683.7   401.8     3.49     4.00     3.25
 YES                    NO
 L0003989         0   0.34800E-06  466840.5 3777679.1   402.0     3.49     4.00     3.25
 YES                    NO
 L0003990         0   0.34800E-06  466847.7 3777674.4   402.0     3.49     4.00     3.25
 YES                    NO
 L0003991         0   0.34800E-06  466855.0 3777669.8   401.9     3.49     4.00     3.25
 YES                    NO
 L0003992         0   0.34800E-06  466862.2 3777665.2   401.9     3.49     4.00     3.25
 YES                    NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/26/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:09:04

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

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

L0003993	0	0.34800E-06	466869.5	3777660.6	402.0	3.49	4.00	3.25
YES		NO						
L0003994	0	0.34800E-06	466876.7	3777656.0	402.1	3.49	4.00	3.25
YES		NO						
L0003995	0	0.34800E-06	466883.9	3777651.3	402.1	3.49	4.00	3.25
YES		NO						
L0003996	0	0.34800E-06	466891.2	3777646.7	402.0	3.49	4.00	3.25
YES		NO						
L0003997	0	0.34800E-06	466898.4	3777642.1	402.0	3.49	4.00	3.25
YES		NO						
L0003998	0	0.34800E-06	466905.7	3777637.5	402.1	3.49	4.00	3.25
YES		NO						
L0003999	0	0.34800E-06	466912.9	3777632.9	402.2	3.49	4.00	3.25
YES		NO						
L0004000	0	0.34800E-06	466920.2	3777628.2	402.3	3.49	4.00	3.25
YES		NO						
L0004001	0	0.34800E-06	466927.4	3777623.6	402.2	3.49	4.00	3.25
YES		NO						
L0004002	0	0.34800E-06	466934.6	3777619.0	402.1	3.49	4.00	3.25
YES		NO						
L0004003	0	0.34800E-06	466941.9	3777614.4	402.0	3.49	4.00	3.25
YES		NO						
L0004004	0	0.34800E-06	466949.1	3777609.8	402.0	3.49	4.00	3.25
YES		NO						
L0004005	0	0.34800E-06	466956.4	3777605.2	402.0	3.49	4.00	3.25
YES		NO						
L0004006	0	0.34800E-06	466963.6	3777600.5	402.1	3.49	4.00	3.25
YES		NO						
L0004007	0	0.34800E-06	466970.9	3777595.9	402.4	3.49	4.00	3.25
YES		NO						
L0004008	0	0.34800E-06	466978.1	3777591.3	402.6	3.49	4.00	3.25
YES		NO						
L0004009	0	0.34800E-06	466985.3	3777586.7	402.9	3.49	4.00	3.25
YES		NO						
L0004010	0	0.34800E-06	466992.6	3777582.1	402.9	3.49	4.00	3.25
YES		NO						
L0004011	0	0.34800E-06	466999.8	3777577.4	402.7	3.49	4.00	3.25
YES		NO						
L0004012	0	0.34800E-06	467007.1	3777572.8	402.4	3.49	4.00	3.25
YES		NO						
L0004013	0	0.34800E-06	467014.3	3777568.2	402.2	3.49	4.00	3.25
YES		NO						
L0004014	0	0.34800E-06	467021.6	3777563.6	402.0	3.49	4.00	3.25
YES		NO						
L0004015	0	0.34800E-06	467028.8	3777559.0	402.0	3.49	4.00	3.25
YES		NO						
L0004016	0	0.34800E-06	467036.0	3777554.3	402.0	3.49	4.00	3.25
YES		NO						
L0004017	0	0.34800E-06	467043.3	3777549.7	402.0	3.49	4.00	3.25
YES		NO						
L0004018	0	0.34800E-06	467050.5	3777545.1	402.0	3.49	4.00	3.25
YES		NO						
L0004019	0	0.34800E-06	467057.8	3777540.5	402.0	3.49	4.00	3.25
YES		NO						
L0004020	0	0.34800E-06	467065.0	3777535.9	402.0	3.49	4.00	3.25
YES		NO						
L0004021	0	0.34800E-06	467072.3	3777531.2	402.0	3.49	4.00	3.25
YES		NO						
L0004022	0	0.34800E-06	467079.5	3777526.6	402.0	3.49	4.00	3.25
YES		NO						
L0004023	0	0.34800E-06	467086.7	3777522.0	402.0	3.49	4.00	3.25
YES		NO						
L0004024	0	0.34800E-06	467094.0	3777517.4	402.0	3.49	4.00	3.25

YES NO
L0004025 0 0.34800E-06 467101.2 3777512.8 402.0 3.49 4.00 3.25
YES NO
L0004026 0 0.34800E-06 467108.5 3777508.2 402.0 3.49 4.00 3.25
YES NO
L0004027 0 0.34830E-06 466523.7 3777656.4 406.5 3.49 4.00 3.25
YES NO
L0004028 0 0.34830E-06 466530.9 3777651.8 406.3 3.49 4.00 3.25
YES NO
L0004029 0 0.34830E-06 466538.2 3777647.2 406.1 3.49 4.00 3.25
YES NO
L0004030 0 0.34830E-06 466545.4 3777642.6 406.0 3.49 4.00 3.25
YES NO
L0004031 0 0.34830E-06 466552.7 3777638.0 405.9 3.49 4.00 3.25
YES NO
L0004032 0 0.34830E-06 466559.9 3777633.3 405.7 3.49 4.00 3.25
YES NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
L0004033	0	0.34830E-06	466567.2	3777628.7	405.5	3.49	4.00	3.25	YES NO
L0004034	0	0.34830E-06	466574.4	3777624.1	405.1	3.49	4.00	3.25	YES NO
L0004035	0	0.34830E-06	466581.7	3777619.5	404.7	3.49	4.00	3.25	YES NO
L0004036	0	0.34830E-06	466588.9	3777614.9	404.4	3.49	4.00	3.25	YES NO
L0004037	0	0.34830E-06	466596.2	3777610.3	404.1	3.49	4.00	3.25	YES NO
L0004038	0	0.34830E-06	466603.4	3777605.7	403.9	3.49	4.00	3.25	YES NO
L0004039	0	0.34830E-06	466610.7	3777601.1	403.6	3.49	4.00	3.25	YES NO
L0004040	0	0.34830E-06	466617.9	3777596.5	403.4	3.49	4.00	3.25	YES NO
L0004041	0	0.34830E-06	466625.2	3777591.9	403.2	3.49	4.00	3.25	YES NO
L0004042	0	0.34830E-06	466632.4	3777587.3	402.9	3.49	4.00	3.25	YES NO
L0004043	0	0.34830E-06	466639.7	3777582.7	402.8	3.49	4.00	3.25	YES NO
L0004044	0	0.34830E-06	466646.9	3777578.1	402.7	3.49	4.00	3.25	YES NO
L0004045	0	0.34830E-06	466654.2	3777573.5	402.6	3.49	4.00	3.25	YES NO
L0004046	0	0.34830E-06	466661.4	3777568.9	402.6	3.49	4.00	3.25	YES NO
L0004047	0	0.34830E-06	466668.7	3777564.3	402.5	3.49	4.00	3.25	

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 YES                  NO
 L0004048         0   0.34830E-06  466675.9 3777559.7   402.4     3.49     4.00     3.25
 YES                  NO
 L0004049         0   0.34830E-06  466683.2 3777555.0   402.2     3.49     4.00     3.25
 YES                  NO
 L0004050         0   0.34830E-06  466690.4 3777550.4   402.2     3.49     4.00     3.25
 YES                  NO
 L0004051         0   0.34830E-06  466697.7 3777545.8   402.4     3.49     4.00     3.25
 YES                  NO
 L0004052         0   0.34830E-06  466704.9 3777541.2   402.5     3.49     4.00     3.25
 YES                  NO
 L0004053         0   0.34830E-06  466712.2 3777536.6   402.7     3.49     4.00     3.25
 YES                  NO
 L0004054         0   0.34830E-06  466719.4 3777532.0   402.8     3.49     4.00     3.25
 YES                  NO
 L0004055         0   0.34830E-06  466726.7 3777527.4   403.0     3.49     4.00     3.25
 YES                  NO
 L0004056         0   0.34830E-06  466733.9 3777522.8   403.0     3.49     4.00     3.25
 YES                  NO
 L0004057         0   0.34830E-06  466741.2 3777518.2   403.0     3.49     4.00     3.25
 YES                  NO
 L0004058         0   0.34830E-06  466748.4 3777513.6   403.0     3.49     4.00     3.25
 YES                  NO
 L0004059         0   0.34830E-06  466755.7 3777509.0   402.9     3.49     4.00     3.25
 YES                  NO
 L0004060         0   0.34830E-06  466762.9 3777504.4   402.7     3.49     4.00     3.25
 YES                  NO
 L0004061         0   0.34830E-06  466770.2 3777499.8   402.4     3.49     4.00     3.25
 YES                  NO
 L0004062         0   0.34830E-06  466777.4 3777495.2   402.1     3.49     4.00     3.25
 YES                  NO
 L0004063         0   0.34830E-06  466784.7 3777490.6   402.0     3.49     4.00     3.25
 YES                  NO
 L0004064         0   0.34830E-06  466791.9 3777486.0   402.0     3.49     4.00     3.25
 YES                  NO
 L0004065         0   0.34830E-06  466799.2 3777481.3   402.0     3.49     4.00     3.25
 YES                  NO
 L0004066         0   0.34830E-06  466806.4 3777476.7   402.0     3.49     4.00     3.25
 YES                  NO
 L0004067         0   0.34830E-06  466813.7 3777472.1   402.0     3.49     4.00     3.25
 YES                  NO
 L0004068         0   0.34830E-06  466820.9 3777467.5   402.0     3.49     4.00     3.25
 YES                  NO
 L0004069         0   0.34830E-06  466828.2 3777462.9   402.0     3.49     4.00     3.25
 YES                  NO
 L0004070         0   0.34830E-06  466835.4 3777458.3   402.0     3.49     4.00     3.25
 YES                  NO
 L0004071         0   0.34830E-06  466842.7 3777453.7   402.0     3.49     4.00     3.25
 YES                  NO
 L0004072         0   0.34830E-06  466849.9 3777449.1   402.0     3.49     4.00     3.25
 YES                  NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/26/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:09:04

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
   SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ
   SOURCE  SCALAR VARY
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ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	BY
L0004073	0	0.34830E-06	466857.2	3777444.5	402.0	3.49	4.00	3.25	YES	NO
L0004074	0	0.34830E-06	466864.4	3777439.9	402.0	3.49	4.00	3.25	YES	NO
L0004075	0	0.34830E-06	466871.7	3777435.3	402.0	3.49	4.00	3.25	YES	NO
L0004076	0	0.34830E-06	466878.9	3777430.7	402.0	3.49	4.00	3.25	YES	NO
L0004077	0	0.34830E-06	466886.2	3777426.1	402.0	3.49	4.00	3.25	YES	NO
L0004078	0	0.34830E-06	466893.4	3777421.5	402.0	3.49	4.00	3.25	YES	NO
L0004079	0	0.34830E-06	466900.7	3777416.9	402.0	3.49	4.00	3.25	YES	NO
L0004080	0	0.34830E-06	466907.9	3777412.3	402.0	3.49	4.00	3.25	YES	NO
L0004081	0	0.34830E-06	466915.2	3777407.7	402.0	3.49	4.00	3.25	YES	NO
L0004082	0	0.34830E-06	466922.5	3777403.0	402.0	3.49	4.00	3.25	YES	NO
L0004083	0	0.34830E-06	466929.7	3777398.4	402.0	3.49	4.00	3.25	YES	NO
L0004084	0	0.34830E-06	466937.0	3777393.8	401.9	3.49	4.00	3.25	YES	NO
L0004085	0	0.34830E-06	466944.2	3777389.2	401.7	3.49	4.00	3.25	YES	NO
L0004086	0	0.34830E-06	466951.5	3777384.6	401.5	3.49	4.00	3.25	YES	NO
L0004087	0	0.33310E-06	466498.0	3777744.9	408.1	3.49	4.00	3.25	YES	NO
L0004088	0	0.33310E-06	466502.5	3777752.2	408.1	3.49	4.00	3.25	YES	NO
L0004089	0	0.33310E-06	466507.0	3777759.6	408.1	3.49	4.00	3.25	YES	NO
L0004090	0	0.33310E-06	466511.6	3777766.9	408.0	3.49	4.00	3.25	YES	NO
L0004091	0	0.33310E-06	466516.1	3777774.2	408.0	3.49	4.00	3.25	YES	NO
L0004092	0	0.33310E-06	466520.6	3777781.5	408.0	3.49	4.00	3.25	YES	NO
L0004093	0	0.33310E-06	466525.1	3777788.8	408.0	3.49	4.00	3.25	YES	NO
L0004094	0	0.33310E-06	466529.6	3777796.1	408.0	3.49	4.00	3.25	YES	NO
L0004095	0	0.33310E-06	466534.1	3777803.4	408.2	3.49	4.00	3.25	YES	NO
L0004096	0	0.33310E-06	466538.6	3777810.8	408.5	3.49	4.00	3.25	YES	NO
L0004097	0	0.33310E-06	466543.1	3777818.1	408.7	3.49	4.00	3.25	YES	NO
L0004098	0	0.33310E-06	466547.6	3777825.4	408.7	3.49	4.00	3.25	YES	NO
L0004099	0	0.33310E-06	466552.1	3777832.7	408.7	3.49	4.00	3.25	YES	NO
L0004100	0	0.33310E-06	466556.6	3777840.0	408.7	3.49	4.00	3.25	YES	NO
L0004101	0	0.40570E-07	466856.9	3777395.4	402.0	3.49	4.00	3.25	YES	NO
L0004102	0	0.40570E-07	466849.6	3777400.0	402.0	3.49	4.00	3.25	YES	NO
L0004103	0	0.40570E-07	466842.4	3777404.6	402.0	3.49	4.00	3.25		

YES NO
L0004104 0 0.40570E-07 466835.1 3777409.2 402.0 3.49 4.00 3.25
YES NO
L0004105 0 0.40570E-07 466827.9 3777413.8 402.0 3.49 4.00 3.25
YES NO
L0004106 0 0.40570E-07 466820.6 3777418.4 402.0 3.49 4.00 3.25
YES NO
L0004107 0 0.40570E-07 466813.4 3777423.0 402.0 3.49 4.00 3.25
YES NO
L0004108 0 0.40570E-07 466806.1 3777427.6 402.0 3.49 4.00 3.25
YES NO
L0004109 0 0.40570E-07 466798.9 3777432.3 402.0 3.49 4.00 3.25
YES NO
L0004110 0 0.40570E-07 466791.6 3777436.9 402.0 3.49 4.00 3.25
YES NO
L0004111 0 0.40570E-07 466784.4 3777441.5 402.0 3.49 4.00 3.25
YES NO
L0004112 0 0.40570E-07 466777.1 3777446.1 402.0 3.49 4.00 3.25
YES NO
FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\1432 *** 01/26/24
*** AERMET - VERSION 16216 ***
*** *** 09:09:04

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
L0004113	0	0.40570E-07	466769.9	3777450.7	402.0	3.49	4.00	3.25	YES NO
L0004114	0	0.40570E-07	466762.6	3777455.3	402.0	3.49	4.00	3.25	YES NO
L0004115	0	0.40570E-07	466755.4	3777459.9	402.0	3.49	4.00	3.25	YES NO
L0004116	0	0.40570E-07	466748.1	3777464.5	402.1	3.49	4.00	3.25	YES NO
L0004117	0	0.40570E-07	466740.9	3777469.1	402.4	3.49	4.00	3.25	YES NO
L0004118	0	0.40570E-07	466733.6	3777473.7	402.7	3.49	4.00	3.25	YES NO
L0004119	0	0.40570E-07	466726.4	3777478.3	402.9	3.49	4.00	3.25	YES NO
L0004120	0	0.40570E-07	466719.1	3777482.9	403.0	3.49	4.00	3.25	YES NO
L0004121	0	0.40570E-07	466711.9	3777487.5	403.0	3.49	4.00	3.25	YES NO
L0004122	0	0.40570E-07	466704.6	3777492.1	403.0	3.49	4.00	3.25	YES NO
L0004123	0	0.40570E-07	466697.4	3777496.7	403.0	3.49	4.00	3.25	YES NO
L0004124	0	0.40570E-07	466690.1	3777501.3	403.0	3.49	4.00	3.25	YES NO
L0004125	0	0.40570E-07	466682.9	3777506.0	403.2	3.49	4.00	3.25	YES NO
L0004126	0	0.40570E-07	466675.6	3777510.6	403.2	3.49	4.00	3.25	

YES		NO						
L0004127	0	0.40570E-07	466668.4	3777515.2	403.3	3.49	4.00	3.25
YES		NO						
L0004128	0	0.40570E-07	466661.1	3777519.8	403.2	3.49	4.00	3.25
YES		NO						
L0004129	0	0.40570E-07	466653.9	3777524.4	403.2	3.49	4.00	3.25
YES		NO						
L0004130	0	0.40570E-07	466646.6	3777529.0	403.4	3.49	4.00	3.25
YES		NO						
L0004131	0	0.40570E-07	466639.4	3777533.6	403.7	3.49	4.00	3.25
YES		NO						
L0004132	0	0.40570E-07	466632.1	3777538.2	403.9	3.49	4.00	3.25
YES		NO						
L0004133	0	0.40570E-07	466624.9	3777542.8	404.1	3.49	4.00	3.25
YES		NO						
L0004134	0	0.40570E-07	466617.6	3777547.4	404.1	3.49	4.00	3.25
YES		NO						
L0004135	0	0.40570E-07	466610.4	3777552.0	404.1	3.49	4.00	3.25
YES		NO						
L0004136	0	0.40570E-07	466603.1	3777556.6	404.0	3.49	4.00	3.25
YES		NO						
L0004137	0	0.40570E-07	466595.9	3777561.2	404.1	3.49	4.00	3.25
YES		NO						
L0004138	0	0.40570E-07	466588.6	3777565.8	404.4	3.49	4.00	3.25
YES		NO						
L0004139	0	0.40570E-07	466581.4	3777570.4	404.6	3.49	4.00	3.25
YES		NO						
L0004140	0	0.40570E-07	466574.1	3777575.0	404.9	3.49	4.00	3.25
YES		NO						
L0004141	0	0.40570E-07	466566.9	3777579.7	405.1	3.49	4.00	3.25
YES		NO						
L0004142	0	0.40570E-07	466559.6	3777584.3	405.3	3.49	4.00	3.25
YES		NO						
L0004143	0	0.40570E-07	466552.4	3777588.9	405.6	3.49	4.00	3.25
YES		NO						
L0004144	0	0.40570E-07	466545.1	3777593.5	405.8	3.49	4.00	3.25
YES		NO						
L0004145	0	0.40570E-07	466537.9	3777598.1	406.0	3.49	4.00	3.25
YES		NO						
L0004146	0	0.40570E-07	466530.6	3777602.7	406.0	3.49	4.00	3.25
YES		NO						
L0004147	0	0.40570E-07	466523.4	3777607.3	406.0	3.49	4.00	3.25
YES		NO						
L0004148	0	0.40570E-07	466516.1	3777611.9	406.0	3.49	4.00	3.25
YES		NO						
L0004149	0	0.40570E-07	466508.9	3777616.5	406.0	3.49	4.00	3.25
YES		NO						
L0004150	0	0.40570E-07	466501.6	3777621.1	406.4	3.49	4.00	3.25
YES		NO						
L0004151	0	0.40570E-07	466494.4	3777625.7	406.7	3.49	4.00	3.25
YES		NO						
L0004152	0	0.40570E-07	466487.1	3777630.3	406.9	3.49	4.00	3.25
YES		NO						

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER	EMISSION RATE		BASE	RELEASE	INIT.	INIT.
URBAN	EMISSION RATE	AIRCRAFT				

SOURCE ID	PART. CATS.	(GRAMS/SEC)	X (METERS)	Y (METERS)	ELEV. (METERS)	HEIGHT (METERS)	SY (METERS)	SZ (METERS)	SOURCE SCALAR VARY BY
L0004153	0	0.40570E-07	466481.5	3777628.0	407.0	3.49	4.00	3.25	YES / NO
L0004154	0	0.40570E-07	466477.1	3777620.7	407.1	3.49	4.00	3.25	YES / NO
L0004155	0	0.40570E-07	466478.1	3777614.6	407.1	3.49	4.00	3.25	YES / NO
L0004156	0	0.40570E-07	466485.4	3777610.0	406.8	3.49	4.00	3.25	YES / NO
L0004157	0	0.40570E-07	466492.6	3777605.4	406.6	3.49	4.00	3.25	YES / NO
L0004158	0	0.40570E-07	466499.9	3777600.8	406.3	3.49	4.00	3.25	YES / NO
L0004159	0	0.40570E-07	466507.1	3777596.2	406.1	3.49	4.00	3.25	YES / NO
L0004160	0	0.40570E-07	466514.4	3777591.6	406.0	3.49	4.00	3.25	YES / NO
L0004161	0	0.40570E-07	466521.6	3777587.0	406.0	3.49	4.00	3.25	YES / NO
L0004162	0	0.40570E-07	466528.9	3777582.4	406.0	3.49	4.00	3.25	YES / NO
L0004163	0	0.40570E-07	466536.1	3777577.8	406.0	3.49	4.00	3.25	YES / NO
L0004164	0	0.40570E-07	466543.4	3777573.2	405.9	3.49	4.00	3.25	YES / NO
L0004165	0	0.40570E-07	466550.6	3777568.6	405.6	3.49	4.00	3.25	YES / NO
L0004166	0	0.40570E-07	466557.9	3777564.0	405.4	3.49	4.00	3.25	YES / NO
L0004167	0	0.40570E-07	466565.1	3777559.4	405.2	3.49	4.00	3.25	YES / NO
L0004168	0	0.40570E-07	466572.4	3777554.8	404.9	3.49	4.00	3.25	YES / NO
L0004169	0	0.40570E-07	466579.7	3777550.2	404.7	3.49	4.00	3.25	YES / NO
L0004170	0	0.40570E-07	466586.9	3777545.6	404.6	3.49	4.00	3.25	YES / NO
L0004171	0	0.40570E-07	466594.2	3777541.0	404.6	3.49	4.00	3.25	YES / NO
L0004172	0	0.40570E-07	466601.4	3777536.4	404.6	3.49	4.00	3.25	YES / NO
L0004173	0	0.40570E-07	466608.7	3777531.8	404.6	3.49	4.00	3.25	YES / NO
L0004174	0	0.40570E-07	466615.9	3777527.2	404.4	3.49	4.00	3.25	YES / NO
L0004175	0	0.40570E-07	466623.2	3777522.6	404.2	3.49	4.00	3.25	YES / NO
L0004176	0	0.40570E-07	466630.4	3777518.0	404.0	3.49	4.00	3.25	YES / NO
L0004177	0	0.40570E-07	466637.7	3777513.4	403.9	3.49	4.00	3.25	YES / NO
L0004178	0	0.40830E-07	466619.6	3777484.9	404.3	3.49	4.00	3.25	YES / NO
L0004179	0	0.40830E-07	466612.3	3777489.5	404.6	3.49	4.00	3.25	YES / NO
L0004180	0	0.40830E-07	466605.1	3777494.1	404.8	3.49	4.00	3.25	YES / NO
L0004181	0	0.40830E-07	466597.8	3777498.7	405.0	3.49	4.00	3.25	YES / NO
L0004182	0	0.40830E-07	466590.6	3777503.3	405.0	3.49	4.00	3.25	

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 YES                  NO
 L0004183         0   0.40830E-07  466583.4 3777508.0   405.0     3.49     4.00     3.25
 YES                  NO
 L0004184         0   0.40830E-07  466576.1 3777512.6   405.0     3.49     4.00     3.25
 YES                  NO
 L0004185         0   0.40830E-07  466568.9 3777517.2   405.0     3.49     4.00     3.25
 YES                  NO
 L0004186         0   0.40830E-07  466561.6 3777521.8   405.3     3.49     4.00     3.25
 YES                  NO
 L0004187         0   0.40830E-07  466554.4 3777526.5   405.5     3.49     4.00     3.25
 YES                  NO
 L0004188         0   0.40830E-07  466547.2 3777531.1   405.8     3.49     4.00     3.25
 YES                  NO
 L0004189         0   0.40830E-07  466539.9 3777535.7   406.0     3.49     4.00     3.25
 YES                  NO
 L0004190         0   0.40830E-07  466532.7 3777540.3   406.0     3.49     4.00     3.25
 YES                  NO
 L0004191         0   0.40830E-07  466525.4 3777544.9   406.0     3.49     4.00     3.25
 YES                  NO
 L0004192         0   0.40830E-07  466518.2 3777549.6   406.0     3.49     4.00     3.25
 YES                  NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/26/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:09:04

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

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

 L0004193         0   0.40830E-07  466510.9 3777554.2   406.0     3.49     4.00     3.25
 YES                  NO
 L0004194         0   0.40830E-07  466503.7 3777558.8   406.2     3.49     4.00     3.25
 YES                  NO
 L0004195         0   0.40830E-07  466496.5 3777563.4   406.4     3.49     4.00     3.25
 YES                  NO
 L0004196         0   0.40830E-07  466489.2 3777568.0   406.7     3.49     4.00     3.25
 YES                  NO
 L0004197         0   0.40830E-07  466482.0 3777572.7   406.9     3.49     4.00     3.25
 YES                  NO
 L0004198         0   0.40830E-07  466474.7 3777577.3   407.1     3.49     4.00     3.25
 YES                  NO
 L0004199         0   0.40830E-07  466467.5 3777581.9   407.4     3.49     4.00     3.25
 YES                  NO
 L0004200         0   0.40830E-07  466460.3 3777586.5   407.7     3.49     4.00     3.25
 YES                  NO
 L0004201         0   0.40830E-07  466454.3 3777585.1   407.8     3.49     4.00     3.25
 YES                  NO
 L0004202         0   0.40830E-07  466449.6 3777577.9   407.7     3.49     4.00     3.25
 YES                  NO
 L0004203         0   0.40830E-07  466451.1 3777572.1   407.5     3.49     4.00     3.25
 YES                  NO
 L0004204         0   0.40830E-07  466458.4 3777567.4   407.3     3.49     4.00     3.25
 YES                  NO
 L0004205         0   0.40830E-07  466465.6 3777562.8   407.1     3.49     4.00     3.25
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 YES                  NO
 L0004206         0   0.40830E-07  466472.8 3777558.1   407.0     3.49     4.00     3.25
 YES                  NO
 L0004207         0   0.40830E-07  466480.0 3777553.4   407.0     3.49     4.00     3.25
 YES                  NO
 L0004208         0   0.40830E-07  466487.2 3777548.8   406.8     3.49     4.00     3.25
 YES                  NO
 L0004209         0   0.40830E-07  466494.5 3777544.1   406.5     3.49     4.00     3.25
 YES                  NO
 L0004210         0   0.40830E-07  466501.7 3777539.5   406.3     3.49     4.00     3.25
 YES                  NO
 L0004211         0   0.40830E-07  466508.9 3777534.8   406.0     3.49     4.00     3.25
 YES                  NO
 L0004212         0   0.40830E-07  466516.1 3777530.1   406.0     3.49     4.00     3.25
 YES                  NO
 L0004213         0   0.40830E-07  466523.3 3777525.5   406.0     3.49     4.00     3.25
 YES                  NO
 L0004214         0   0.40830E-07  466530.5 3777520.8   406.1     3.49     4.00     3.25
 YES                  NO
 L0004215         0   0.40830E-07  466537.8 3777516.2   406.0     3.49     4.00     3.25
 YES                  NO
 L0004216         0   0.40830E-07  466545.0 3777511.5   405.8     3.49     4.00     3.25
 YES                  NO
 L0004217         0   0.40830E-07  466552.2 3777506.8   405.6     3.49     4.00     3.25
 YES                  NO
 L0004218         0   0.40830E-07  466559.4 3777502.2   405.4     3.49     4.00     3.25
 YES                  NO
 L0004219         0   0.41140E-07  466404.9 3777601.1   408.7     3.49     4.00     3.25
 YES                  NO
 L0004220         0   0.41140E-07  466409.5 3777608.4   408.6     3.49     4.00     3.25
 YES                  NO
 L0004221         0   0.41140E-07  466414.0 3777615.7   408.4     3.49     4.00     3.25
 YES                  NO
 L0004222         0   0.41140E-07  466418.6 3777623.0   408.1     3.49     4.00     3.25
 YES                  NO
 L0004223         0   0.41140E-07  466423.1 3777630.3   408.0     3.49     4.00     3.25
 YES                  NO
 L0004224         0   0.41140E-07  466427.7 3777637.6   408.0     3.49     4.00     3.25
 YES                  NO
 L0004225         0   0.41140E-07  466432.2 3777644.9   408.0     3.49     4.00     3.25
 YES                  NO
 L0004226         0   0.41140E-07  466436.8 3777652.1   408.0     3.49     4.00     3.25
 YES                  NO
 L0004227         0   0.41140E-07  466441.3 3777659.4   408.0     3.49     4.00     3.25
 YES                  NO
 L0004228         0   0.41140E-07  466445.8 3777666.7   408.0     3.49     4.00     3.25
 YES                  NO
 L0004229         0   0.41140E-07  466451.8 3777667.8   407.9     3.49     4.00     3.25
 YES                  NO
 L0004230         0   0.41140E-07  466459.1 3777663.2   407.7     3.49     4.00     3.25
 YES                  NO
 L0004231         0   0.41140E-07  466463.7 3777658.0   407.5     3.49     4.00     3.25
 YES                  NO
 L0004232         0   0.41140E-07  466459.0 3777650.9   407.7     3.49     4.00     3.25
 YES                  NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/26/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:09:04

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***
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SOURCE ID	NUMBER URBAN PART. SCALAR VARY BY	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	
L0004233	0	0.41140E-07	466454.3	3777643.7	407.9	3.49	4.00	3.25	
YES		NO							
L0004234	0	0.41140E-07	466449.6	3777636.5	408.0	3.49	4.00	3.25	
YES		NO							
L0004235	0	0.41140E-07	466444.9	3777629.3	408.0	3.49	4.00	3.25	
YES		NO							
L0004236	0	0.41140E-07	466440.2	3777622.1	408.0	3.49	4.00	3.25	
YES		NO							
L0004237	0	0.41140E-07	466435.5	3777614.9	408.0	3.49	4.00	3.25	
YES		NO							
L0004238	0	0.41140E-07	466430.8	3777607.7	408.0	3.49	4.00	3.25	
YES		NO							
L0004239	0	0.41140E-07	466426.1	3777600.6	408.0	3.49	4.00	3.25	
YES		NO							
L0004240	0	0.41140E-07	466421.4	3777593.4	408.0	3.49	4.00	3.25	
YES		NO							
L0004241	0	0.39950E-07	466354.6	3777631.5	411.8	3.49	4.00	3.25	
YES		NO							
L0004242	0	0.39950E-07	466359.3	3777638.8	411.8	3.49	4.00	3.25	
YES		NO							
L0004243	0	0.39950E-07	466363.9	3777646.0	411.7	3.49	4.00	3.25	
YES		NO							
L0004244	0	0.39950E-07	466368.5	3777653.3	411.4	3.49	4.00	3.25	
YES		NO							
L0004245	0	0.39950E-07	466373.1	3777660.5	411.1	3.49	4.00	3.25	
YES		NO							
L0004246	0	0.39950E-07	466377.8	3777667.7	410.8	3.49	4.00	3.25	
YES		NO							
L0004247	0	0.39950E-07	466382.4	3777675.0	410.5	3.49	4.00	3.25	
YES		NO							
L0004248	0	0.39950E-07	466387.0	3777682.2	410.2	3.49	4.00	3.25	
YES		NO							
L0004249	0	0.39950E-07	466391.7	3777689.4	409.9	3.49	4.00	3.25	
YES		NO							
L0004250	0	0.39950E-07	466396.3	3777696.7	409.6	3.49	4.00	3.25	
YES		NO							
L0004251	0	0.39950E-07	466401.0	3777703.6	409.3	3.49	4.00	3.25	
YES		NO							
L0004252	0	0.39950E-07	466408.4	3777699.2	408.8	3.49	4.00	3.25	
YES		NO							
L0004253	0	0.39950E-07	466415.7	3777694.8	408.3	3.49	4.00	3.25	
YES		NO							
L0004254	0	0.39950E-07	466417.1	3777688.9	408.2	3.49	4.00	3.25	
YES		NO							
L0004255	0	0.39950E-07	466412.5	3777681.7	408.5	3.49	4.00	3.25	
YES		NO							
L0004256	0	0.39950E-07	466407.9	3777674.4	408.8	3.49	4.00	3.25	
YES		NO							
L0004257	0	0.39950E-07	466403.3	3777667.2	409.1	3.49	4.00	3.25	
YES		NO							
L0004258	0	0.39950E-07	466398.7	3777660.0	409.4	3.49	4.00	3.25	
YES		NO							
L0004259	0	0.39950E-07	466394.0	3777652.7	409.7	3.49	4.00	3.25	
YES		NO							
L0004260	0	0.39950E-07	466389.4	3777645.5	410.0	3.49	4.00	3.25	
YES		NO							
L0004261	0	0.39950E-07	466384.8	3777638.2	410.3	3.49	4.00	3.25	

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
L0004262	0	0.39950E-07	466380.2	3777631.0	410.5	3.49	4.00	3.25	YES
L0004263	0	0.39950E-07	466375.6	3777623.7	410.6	3.49	4.00	3.25	YES
L0004264	0	0.39950E-07	466371.0	3777616.5	410.6	3.49	4.00	3.25	YES
L0004265	0	0.40360E-07	466518.4	3777887.1	410.0	3.49	4.00	3.25	YES
L0004266	0	0.40360E-07	466513.7	3777879.9	409.8	3.49	4.00	3.25	YES
L0004267	0	0.40360E-07	466509.0	3777872.7	409.6	3.49	4.00	3.25	YES
L0004268	0	0.40360E-07	466504.4	3777865.5	409.4	3.49	4.00	3.25	YES
L0004269	0	0.40360E-07	466499.7	3777858.2	409.4	3.49	4.00	3.25	YES
L0004270	0	0.40360E-07	466495.1	3777851.0	409.4	3.49	4.00	3.25	YES
L0004271	0	0.40360E-07	466490.4	3777843.8	409.4	3.49	4.00	3.25	YES
L0004272	0	0.40360E-07	466485.7	3777836.6	409.3	3.49	4.00	3.25	YES
L0004273	0	0.40360E-07	466481.1	3777829.4	409.1	3.49	4.00	3.25	YES
L0004274	0	0.40360E-07	466476.4	3777822.2	409.1	3.49	4.00	3.25	YES
L0004275	0	0.40360E-07	466471.8	3777814.9	409.2	3.49	4.00	3.25	YES
L0004276	0	0.40360E-07	466467.1	3777807.7	409.2	3.49	4.00	3.25	YES
L0004277	0	0.40360E-07	466462.4	3777800.5	409.1	3.49	4.00	3.25	YES
L0004278	0	0.40360E-07	466457.8	3777793.3	409.0	3.49	4.00	3.25	YES
L0004279	0	0.40360E-07	466453.1	3777786.1	409.0	3.49	4.00	3.25	YES
L0004280	0	0.40360E-07	466448.5	3777778.9	409.0	3.49	4.00	3.25	YES
L0004281	0	0.40360E-07	466443.8	3777771.6	409.0	3.49	4.00	3.25	YES
L0004282	0	0.40360E-07	466439.1	3777764.4	409.0	3.49	4.00	3.25	YES
L0004283	0	0.40360E-07	466434.5	3777757.2	408.9	3.49	4.00	3.25	YES
L0004284	0	0.40360E-07	466429.8	3777750.0	408.8	3.49	4.00	3.25	YES

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 YES                  NO
 L0004285         0   0.40360E-07  466425.2 3777742.8   408.9     3.49     4.00     3.25
 YES                  NO
 L0004286         0   0.40360E-07  466420.5 3777735.6   409.0     3.49     4.00     3.25
 YES                  NO
 L0004287         0   0.40360E-07  466415.8 3777728.4   408.9     3.49     4.00     3.25
 YES                  NO
 L0004288         0   0.40360E-07  466413.2 3777721.6   408.8     3.49     4.00     3.25
 YES                  NO
 L0004289         0   0.40360E-07  466420.6 3777717.3   408.4     3.49     4.00     3.25
 YES                  NO
 L0004290         0   0.40360E-07  466428.0 3777712.9   408.2     3.49     4.00     3.25
 YES                  NO
 L0004291         0   0.40360E-07  466433.3 3777717.2   408.2     3.49     4.00     3.25
 YES                  NO
 L0004292         0   0.40360E-07  466437.9 3777724.5   408.2     3.49     4.00     3.25
 YES                  NO
 L0004293         0   0.40360E-07  466442.5 3777731.7   408.2     3.49     4.00     3.25
 YES                  NO
 L0004294         0   0.40360E-07  466447.0 3777739.0   408.2     3.49     4.00     3.25
 YES                  NO
 L0004295         0   0.40360E-07  466451.6 3777746.3   408.3     3.49     4.00     3.25
 YES                  NO
 L0004296         0   0.40360E-07  466456.1 3777753.6   408.6     3.49     4.00     3.25
 YES                  NO
 L0004297         0   0.40360E-07  466460.7 3777760.9   408.8     3.49     4.00     3.25
 YES                  NO
 L0004298         0   0.40360E-07  466465.3 3777768.1   409.0     3.49     4.00     3.25
 YES                  NO
 L0004299         0   0.40360E-07  466469.8 3777775.4   409.0     3.49     4.00     3.25
 YES                  NO
 L0004300         0   0.40360E-07  466474.4 3777782.7   409.0     3.49     4.00     3.25
 YES                  NO
 L0004301         0   0.40360E-07  466478.9 3777790.0   409.0     3.49     4.00     3.25
 YES                  NO
 L0004302         0   0.40360E-07  466483.5 3777797.3   408.9     3.49     4.00     3.25
 YES                  NO
 L0004303         0   0.40360E-07  466488.0 3777804.5   408.8     3.49     4.00     3.25
 YES                  NO
 L0004304         0   0.40360E-07  466492.6 3777811.8   408.8     3.49     4.00     3.25
 YES                  NO
 L0004305         0   0.40360E-07  466497.2 3777819.1   408.9     3.49     4.00     3.25
 YES                  NO
 L0004306         0   0.40360E-07  466501.7 3777826.4   409.0     3.49     4.00     3.25
 YES                  NO
 L0004307         0   0.40360E-07  466506.3 3777833.7   409.0     3.49     4.00     3.25
 YES                  NO
 L0004308         0   0.40360E-07  466510.8 3777840.9   409.0     3.49     4.00     3.25
 YES                  NO
 L0004309         0   0.40360E-07  466515.4 3777848.2   409.0     3.49     4.00     3.25
 YES                  NO
 L0004310         0   0.40360E-07  466520.0 3777855.5   409.0     3.49     4.00     3.25
 YES                  NO
 L0004311         0   0.40360E-07  466524.5 3777862.8   409.2     3.49     4.00     3.25
 YES                  NO
 L0004312         0   0.40810E-07  466458.1 3777898.9   410.3     3.49     4.00     3.25
 YES                  NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/26/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:09:04

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART. SCALAR VARY CATS. BY	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0004313	0	0.40810E-07	466453.6	3777891.6	410.2	3.49	4.00	3.25
YES		NO						
L0004314	0	0.40810E-07	466449.0	3777884.3	410.0	3.49	4.00	3.25
YES		NO						
L0004315	0	0.40810E-07	466444.4	3777877.1	410.1	3.49	4.00	3.25
YES		NO						
L0004316	0	0.40810E-07	466439.9	3777869.8	410.2	3.49	4.00	3.25
YES		NO						
L0004317	0	0.40810E-07	466435.3	3777862.5	410.1	3.49	4.00	3.25
YES		NO						
L0004318	0	0.40810E-07	466430.7	3777855.2	410.0	3.49	4.00	3.25
YES		NO						
L0004319	0	0.40810E-07	466426.2	3777848.0	410.0	3.49	4.00	3.25
YES		NO						
L0004320	0	0.40810E-07	466421.6	3777840.7	410.0	3.49	4.00	3.25
YES		NO						
L0004321	0	0.40810E-07	466417.0	3777833.4	410.1	3.49	4.00	3.25
YES		NO						
L0004322	0	0.40810E-07	466412.5	3777826.1	410.2	3.49	4.00	3.25
YES		NO						
L0004323	0	0.40810E-07	466407.9	3777818.9	410.3	3.49	4.00	3.25
YES		NO						
L0004324	0	0.40810E-07	466403.3	3777811.6	410.3	3.49	4.00	3.25
YES		NO						
L0004325	0	0.40810E-07	466398.7	3777804.3	410.2	3.49	4.00	3.25
YES		NO						
L0004326	0	0.40810E-07	466394.2	3777797.0	410.0	3.49	4.00	3.25
YES		NO						
L0004327	0	0.40810E-07	466389.6	3777789.8	410.0	3.49	4.00	3.25
YES		NO						
L0004328	0	0.40810E-07	466385.0	3777782.5	410.1	3.49	4.00	3.25
YES		NO						
L0004329	0	0.40810E-07	466380.5	3777775.2	410.1	3.49	4.00	3.25
YES		NO						
L0004330	0	0.40810E-07	466375.9	3777767.9	410.0	3.49	4.00	3.25
YES		NO						
L0004331	0	0.40810E-07	466371.3	3777760.7	410.1	3.49	4.00	3.25
YES		NO						
L0004332	0	0.40810E-07	466366.8	3777753.4	410.3	3.49	4.00	3.25
YES		NO						
L0004333	0	0.40810E-07	466372.2	3777748.6	410.4	3.49	4.00	3.25
YES		NO						
L0004334	0	0.40810E-07	466379.6	3777744.2	410.2	3.49	4.00	3.25
YES		NO						
L0004335	0	0.40810E-07	466384.7	3777749.5	410.1	3.49	4.00	3.25
YES		NO						
L0004336	0	0.40810E-07	466389.2	3777756.7	410.0	3.49	4.00	3.25
YES		NO						
L0004337	0	0.40810E-07	466393.8	3777764.0	409.9	3.49	4.00	3.25
YES		NO						
L0004338	0	0.40810E-07	466398.3	3777771.3	409.8	3.49	4.00	3.25
YES		NO						
L0004339	0	0.40810E-07	466402.9	3777778.6	409.7	3.49	4.00	3.25
YES		NO						
L0004340	0	0.40810E-07	466407.5	3777785.9	409.8	3.49	4.00	3.25

YES NO
L0004341 0 0.40810E-07 466412.0 3777793.1 409.9 3.49 4.00 3.25
YES NO
L0004342 0 0.40810E-07 466416.6 3777800.4 410.0 3.49 4.00 3.25
YES NO
L0004343 0 0.40810E-07 466421.1 3777807.7 410.0 3.49 4.00 3.25
YES NO
L0004344 0 0.40810E-07 466425.7 3777815.0 409.9 3.49 4.00 3.25
YES NO
L0004345 0 0.40810E-07 466430.3 3777822.3 409.9 3.49 4.00 3.25
YES NO
L0004346 0 0.40810E-07 466434.8 3777829.5 410.0 3.49 4.00 3.25
YES NO
L0004347 0 0.40810E-07 466439.4 3777836.8 410.0 3.49 4.00 3.25
YES NO
L0004348 0 0.40810E-07 466443.9 3777844.1 410.0 3.49 4.00 3.25
YES NO
L0004349 0 0.40810E-07 466448.5 3777851.4 410.0 3.49 4.00 3.25
YES NO
L0004350 0 0.40810E-07 466453.1 3777858.7 410.0 3.49 4.00 3.25
YES NO
L0004351 0 0.40810E-07 466457.6 3777865.9 410.0 3.49 4.00 3.25
YES NO
L0004352 0 0.40810E-07 466462.2 3777873.2 410.0 3.49 4.00 3.25
YES NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT SCALAR VARY BY	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0004353	0	0.40810E-07	YES	466466.8	3777880.5	410.0	3.49	4.00	3.25
L0004354	0	0.40810E-07	YES	466471.3	3777887.8	410.0	3.49	4.00	3.25
L0004355	0	0.40680E-07	YES	466335.4	3777777.5	410.9	3.49	4.00	3.25
L0004356	0	0.40680E-07	YES	466340.0	3777784.8	410.9	3.49	4.00	3.25
L0004357	0	0.40680E-07	YES	466344.6	3777792.0	410.9	3.49	4.00	3.25
L0004358	0	0.40680E-07	YES	466349.2	3777799.3	411.0	3.49	4.00	3.25
L0004359	0	0.40680E-07	YES	466353.8	3777806.5	411.0	3.49	4.00	3.25
L0004360	0	0.40680E-07	YES	466358.4	3777813.8	411.0	3.49	4.00	3.25
L0004361	0	0.40680E-07	YES	466363.0	3777821.0	411.0	3.49	4.00	3.25
L0004362	0	0.40680E-07	YES	466367.6	3777828.3	411.0	3.49	4.00	3.25
L0004363	0	0.40680E-07	YES	466372.3	3777835.5	411.0	3.49	4.00	3.25

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 YES                 NO
 L0004364         0   0.40680E-07  466376.9 3777842.8   411.0     3.49     4.00     3.25
 YES                 NO
 L0004365         0   0.40680E-07  466381.5 3777850.0   411.0     3.49     4.00     3.25
 YES                 NO
 L0004366         0   0.40680E-07  466386.1 3777857.3   411.0     3.49     4.00     3.25
 YES                 NO
 L0004367         0   0.40680E-07  466390.7 3777864.5   411.0     3.49     4.00     3.25
 YES                 NO
 L0004368         0   0.40680E-07  466395.3 3777871.8   410.9     3.49     4.00     3.25
 YES                 NO
 L0004369         0   0.40680E-07  466399.9 3777879.0   410.9     3.49     4.00     3.25
 YES                 NO
 L0004370         0   0.40680E-07  466404.5 3777886.3   411.0     3.49     4.00     3.25
 YES                 NO
 L0004371         0   0.40680E-07  466409.1 3777893.5   411.0     3.49     4.00     3.25
 YES                 NO
 L0004372         0   0.40680E-07  466413.7 3777900.8   411.0     3.49     4.00     3.25
 YES                 NO
 L0004373         0   0.40680E-07  466418.3 3777908.0   411.0     3.49     4.00     3.25
 YES                 NO
 L0004374         0   0.40680E-07  466423.0 3777915.3   411.0     3.49     4.00     3.25
 YES                 NO
 L0004375         0   0.40680E-07  466427.4 3777922.5   411.2     3.49     4.00     3.25
 YES                 NO
 L0004376         0   0.40680E-07  466420.2 3777927.2   411.4     3.49     4.00     3.25
 YES                 NO
 L0004377         0   0.40680E-07  466413.1 3777932.0   411.5     3.49     4.00     3.25
 YES                 NO
 L0004378         0   0.40680E-07  466407.8 3777928.6   411.4     3.49     4.00     3.25
 YES                 NO
 L0004379         0   0.40680E-07  466403.4 3777921.3   411.2     3.49     4.00     3.25
 YES                 NO
 L0004380         0   0.40680E-07  466399.0 3777913.9   411.0     3.49     4.00     3.25
 YES                 NO
 L0004381         0   0.40680E-07  466394.6 3777906.5   411.0     3.49     4.00     3.25
 YES                 NO
 L0004382         0   0.40680E-07  466390.2 3777899.1   411.0     3.49     4.00     3.25
 YES                 NO
 L0004383         0   0.40680E-07  466385.8 3777891.7   411.0     3.49     4.00     3.25
 YES                 NO
 L0004384         0   0.40680E-07  466381.5 3777884.3   411.0     3.49     4.00     3.25
 YES                 NO
 L0004385         0   0.40680E-07  466377.1 3777877.0   411.0     3.49     4.00     3.25
 YES                 NO
 L0004386         0   0.40680E-07  466372.7 3777869.6   411.0     3.49     4.00     3.25
 YES                 NO
 L0004387         0   0.40680E-07  466368.3 3777862.2   411.0     3.49     4.00     3.25
 YES                 NO
 L0004388         0   0.40680E-07  466363.9 3777854.8   411.0     3.49     4.00     3.25
 YES                 NO
 L0004389         0   0.40680E-07  466359.5 3777847.4   411.0     3.49     4.00     3.25
 YES                 NO
 L0004390         0   0.40680E-07  466355.1 3777840.0   411.1     3.49     4.00     3.25
 YES                 NO
 L0004391         0   0.40680E-07  466350.7 3777832.7   411.1     3.49     4.00     3.25
 YES                 NO
 L0004392         0   0.40680E-07  466346.3 3777825.3   411.0     3.49     4.00     3.25
 YES                 NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/26/24
 *** AERMET - VERSION  16216 ***
 ***                                                                  ***       09:09:04

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*
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*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE SCALAR VARY BY	EMISSION RATE PART. CATS.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)
L0004393	0		0.40680E-07	466341.9	3777817.9	411.0	3.49	4.00	3.25
YES			NO						
L0004394	0		0.40680E-07	466337.6	3777810.5	411.0	3.49	4.00	3.25
YES			NO						
L0004395	0		0.40680E-07	466333.2	3777803.1	411.0	3.49	4.00	3.25
YES			NO						
L0004396	0		0.39710E-07	466336.1	3777675.0	412.8	3.49	4.00	3.25
YES			NO						
L0004397	0		0.39710E-07	466340.8	3777682.2	412.5	3.49	4.00	3.25
YES			NO						
L0004398	0		0.39710E-07	466345.5	3777689.3	412.3	3.49	4.00	3.25
YES			NO						
L0004399	0		0.39710E-07	466350.2	3777696.5	412.1	3.49	4.00	3.25
YES			NO						
L0004400	0		0.39710E-07	466355.0	3777703.7	412.0	3.49	4.00	3.25
YES			NO						
L0004401	0		0.39710E-07	466359.7	3777710.9	411.8	3.49	4.00	3.25
YES			NO						
L0004402	0		0.39710E-07	466364.4	3777718.0	411.4	3.49	4.00	3.25
YES			NO						
L0004403	0		0.39710E-07	466367.5	3777724.8	411.0	3.49	4.00	3.25
YES			NO						
L0004404	0		0.39710E-07	466360.0	3777729.1	411.2	3.49	4.00	3.25
YES			NO						
L0004405	0		0.39710E-07	466352.6	3777733.4	411.1	3.49	4.00	3.25
YES			NO						
L0004406	0		0.39710E-07	466348.1	3777726.4	411.3	3.49	4.00	3.25
YES			NO						
L0004407	0		0.39710E-07	466343.7	3777719.0	411.6	3.49	4.00	3.25
YES			NO						
L0004408	0		0.39710E-07	466339.4	3777711.6	411.8	3.49	4.00	3.25
YES			NO						
L0004409	0		0.39710E-07	466335.0	3777704.2	412.1	3.49	4.00	3.25
YES			NO						
L0004410	0		0.39710E-07	466330.7	3777696.8	412.3	3.49	4.00	3.25
YES			NO						
L0004411	0		0.39710E-07	466326.3	3777689.4	412.7	3.49	4.00	3.25
YES			NO						
L0004412	0		0.35780E-07	466307.0	3777733.3	411.2	3.49	4.00	3.25
YES			NO						
L0004413	0		0.35780E-07	466311.9	3777740.4	411.0	3.49	4.00	3.25
YES			NO						
L0004414	0		0.35780E-07	466316.8	3777747.4	411.0	3.49	4.00	3.25
YES			NO						
L0004415	0		0.35780E-07	466321.7	3777754.4	411.0	3.49	4.00	3.25
YES			NO						
L0004416	0		0.39880E-07	466319.3	3777855.2	412.0	3.49	4.00	3.25
YES			NO						
L0004417	0		0.39880E-07	466324.0	3777862.3	412.0	3.49	4.00	3.25
YES			NO						
L0004418	0		0.39880E-07	466328.7	3777869.5	412.0	3.49	4.00	3.25
YES			NO						
L0004419	0		0.39880E-07	466333.4	3777876.7	411.9	3.49	4.00	3.25

YES NO
L0004420 0 0.39880E-07 466338.2 3777883.9 411.7 3.49 4.00 3.25
YES NO
L0004421 0 0.39880E-07 466342.9 3777891.0 411.6 3.49 4.00 3.25
YES NO
L0004422 0 0.39880E-07 466347.6 3777898.2 411.6 3.49 4.00 3.25
YES NO
L0004423 0 0.39880E-07 466352.3 3777905.4 411.7 3.49 4.00 3.25
YES NO
L0004424 0 0.39880E-07 466357.1 3777912.6 411.9 3.49 4.00 3.25
YES NO
L0004425 0 0.39880E-07 466361.8 3777919.7 411.9 3.49 4.00 3.25
YES NO
L0004426 0 0.39880E-07 466366.5 3777926.9 411.9 3.49 4.00 3.25
YES NO
L0004427 0 0.39880E-07 466371.2 3777934.1 411.9 3.49 4.00 3.25
YES NO
L0004428 0 0.39880E-07 466375.9 3777941.3 411.9 3.49 4.00 3.25
YES NO
L0004429 0 0.39880E-07 466380.7 3777948.4 412.0 3.49 4.00 3.25
YES NO
L0004430 0 0.39880E-07 466385.4 3777955.6 412.1 3.49 4.00 3.25
YES NO
L0004431 0 0.39880E-07 466390.1 3777962.8 412.0 3.49 4.00 3.25
YES NO
L0004432 0 0.39880E-07 466394.8 3777970.0 412.0 3.49 4.00 3.25
YES NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
L0004433	0	0.40720E-07	466460.3	3777968.5	411.0	3.49	4.00	3.25	YES NO
L0004434	0	0.40720E-07	466467.6	3777963.9	411.0	3.49	4.00	3.25	YES NO
L0004435	0	0.40720E-07	466474.8	3777959.3	411.0	3.49	4.00	3.25	YES NO
L0004436	0	0.40720E-07	466482.0	3777954.7	411.0	3.49	4.00	3.25	YES NO
L0004437	0	0.40720E-07	466489.3	3777950.0	411.0	3.49	4.00	3.25	YES NO
L0004438	0	0.40720E-07	466496.5	3777945.4	411.0	3.49	4.00	3.25	YES NO
L0004439	0	0.40720E-07	466503.7	3777940.8	410.8	3.49	4.00	3.25	YES NO
L0004440	0	0.40720E-07	466511.0	3777936.1	410.6	3.49	4.00	3.25	YES NO
L0004441	0	0.40720E-07	466518.2	3777931.5	410.4	3.49	4.00	3.25	YES NO
L0004442	0	0.40720E-07	466525.4	3777926.9	410.2	3.49	4.00	3.25	

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 YES                  NO
 L0004443         0   0.40720E-07  466532.7 3777922.3   410.1     3.49     4.00     3.25
 YES                  NO
 L0004444         0   0.40720E-07  466539.9 3777917.6   410.0     3.49     4.00     3.25
 YES                  NO
 L0004445         0   0.40720E-07  466547.1 3777913.0   410.0     3.49     4.00     3.25
 YES                  NO
 L0004446         0   0.40720E-07  466554.4 3777908.4   409.9     3.49     4.00     3.25
 YES                  NO
 L0004447         0   0.40720E-07  466561.6 3777903.7   409.7     3.49     4.00     3.25
 YES                  NO
 L0004448         0   0.40720E-07  466568.9 3777899.1   409.4     3.49     4.00     3.25
 YES                  NO
 L0004449         0   0.40720E-07  466576.1 3777894.5   409.3     3.49     4.00     3.25
 YES                  NO
 L0004450         0   0.40720E-07  466583.3 3777889.8   409.1     3.49     4.00     3.25
 YES                  NO
 L0004451         0   0.40720E-07  466590.6 3777885.2   409.0     3.49     4.00     3.25
 YES                  NO
 L0004452         0   0.40720E-07  466597.8 3777880.6   409.0     3.49     4.00     3.25
 YES                  NO
 L0004453         0   0.40720E-07  466605.0 3777876.0   409.0     3.49     4.00     3.25
 YES                  NO
 L0004454         0   0.40720E-07  466612.3 3777871.3   409.0     3.49     4.00     3.25
 YES                  NO
 L0004455         0   0.40720E-07  466619.5 3777866.7   409.0     3.49     4.00     3.25
 YES                  NO
 L0004456         0   0.40720E-07  466626.7 3777862.1   409.0     3.49     4.00     3.25
 YES                  NO
 L0004457         0   0.40720E-07  466634.0 3777857.4   408.9     3.49     4.00     3.25
 YES                  NO
 L0004458         0   0.40720E-07  466641.2 3777852.8   408.6     3.49     4.00     3.25
 YES                  NO
 L0004459         0   0.40720E-07  466648.5 3777848.2   408.3     3.49     4.00     3.25
 YES                  NO
 L0004460         0   0.40720E-07  466655.7 3777843.6   408.1     3.49     4.00     3.25
 YES                  NO
 L0004461         0   0.40720E-07  466662.9 3777838.9   408.0     3.49     4.00     3.25
 YES                  NO
 L0004462         0   0.40720E-07  466670.2 3777834.3   408.0     3.49     4.00     3.25
 YES                  NO
 L0004463         0   0.40720E-07  466677.4 3777829.7   408.0     3.49     4.00     3.25
 YES                  NO
 L0004464         0   0.40720E-07  466684.6 3777825.0   408.0     3.49     4.00     3.25
 YES                  NO
 L0004465         0   0.40720E-07  466691.9 3777820.4   407.7     3.49     4.00     3.25
 YES                  NO
 L0004466         0   0.40720E-07  466699.1 3777815.8   407.3     3.49     4.00     3.25
 YES                  NO
 L0004467         0   0.40720E-07  466706.3 3777811.2   406.9     3.49     4.00     3.25
 YES                  NO
 L0004468         0   0.40720E-07  466713.6 3777806.5   406.6     3.49     4.00     3.25
 YES                  NO
 L0004469         0   0.40720E-07  466720.8 3777801.9   406.2     3.49     4.00     3.25
 YES                  NO
 L0004470         0   0.40720E-07  466728.0 3777797.3   406.0     3.49     4.00     3.25
 YES                  NO
 L0004471         0   0.40720E-07  466735.3 3777792.6   406.0     3.49     4.00     3.25
 YES                  NO
 L0004472         0   0.40720E-07  466742.5 3777788.0   406.0     3.49     4.00     3.25
 YES                  NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/26/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:09:04
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART. SCALAR VARY CATS. BY	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SOURCE
L0004473	0	0.40720E-07	466749.8	3777783.4	406.0	3.49	4.00	3.25	YES
L0004474	0	0.40720E-07	466757.0	3777778.7	406.0	3.49	4.00	3.25	YES
L0004475	0	0.40720E-07	466764.2	3777774.1	406.0	3.49	4.00	3.25	YES
L0004476	0	0.40720E-07	466771.5	3777769.5	406.0	3.49	4.00	3.25	YES
L0004477	0	0.40720E-07	466778.7	3777764.9	405.9	3.49	4.00	3.25	YES
L0004478	0	0.40720E-07	466785.9	3777760.2	405.6	3.49	4.00	3.25	YES
L0004479	0	0.40720E-07	466793.2	3777755.6	405.3	3.49	4.00	3.25	YES
L0004480	0	0.40720E-07	466800.4	3777751.0	405.0	3.49	4.00	3.25	YES
L0004481	0	0.40720E-07	466807.6	3777746.3	404.7	3.49	4.00	3.25	YES
L0004482	0	0.40720E-07	466814.9	3777741.7	404.5	3.49	4.00	3.25	YES
L0004483	0	0.40720E-07	466822.1	3777737.1	404.5	3.49	4.00	3.25	YES
L0004484	0	0.40720E-07	466829.3	3777732.5	404.3	3.49	4.00	3.25	YES
L0004485	0	0.40720E-07	466836.6	3777727.8	404.1	3.49	4.00	3.25	YES
L0004486	0	0.40720E-07	466843.8	3777723.2	403.8	3.49	4.00	3.25	YES
L0004487	0	0.40720E-07	466851.1	3777718.6	403.7	3.49	4.00	3.25	YES
L0004488	0	0.40720E-07	466858.3	3777713.9	403.7	3.49	4.00	3.25	YES
L0004489	0	0.40720E-07	466865.5	3777709.3	403.9	3.49	4.00	3.25	YES
L0004490	0	0.40720E-07	466872.8	3777704.7	403.9	3.49	4.00	3.25	YES
L0004491	0	0.40720E-07	466880.0	3777700.1	403.7	3.49	4.00	3.25	YES
L0004492	0	0.40720E-07	466887.2	3777695.4	403.5	3.49	4.00	3.25	YES
L0004493	0	0.40720E-07	466894.5	3777690.8	403.4	3.49	4.00	3.25	YES
L0004494	0	0.40720E-07	466901.7	3777686.2	403.4	3.49	4.00	3.25	YES
L0004495	0	0.40720E-07	466908.9	3777681.5	403.4	3.49	4.00	3.25	YES
L0004496	0	0.40720E-07	466916.2	3777676.9	403.6	3.49	4.00	3.25	YES
L0004497	0	0.40720E-07	466923.4	3777672.3	403.7	3.49	4.00	3.25	YES
L0004498	0	0.40720E-07	466930.7	3777667.6	403.7	3.49	4.00	3.25	

YES NO
L0004499 0 0.40720E-07 466937.9 3777663.0 403.6 3.49 4.00 3.25
YES NO
L0004500 0 0.40720E-07 466945.1 3777658.4 403.4 3.49 4.00 3.25
YES NO
L0004501 0 0.40720E-07 466952.4 3777653.8 403.2 3.49 4.00 3.25
YES NO
L0004502 0 0.40720E-07 466959.6 3777649.1 403.1 3.49 4.00 3.25
YES NO
L0004503 0 0.40720E-07 466966.8 3777644.5 403.0 3.49 4.00 3.25
YES NO
L0004504 0 0.40720E-07 466974.1 3777639.9 402.9 3.49 4.00 3.25
YES NO
L0004505 0 0.40720E-07 466981.3 3777635.2 402.9 3.49 4.00 3.25
YES NO
L0004506 0 0.40720E-07 466988.5 3777630.6 403.0 3.49 4.00 3.25
YES NO
L0004507 0 0.40720E-07 466995.8 3777626.0 403.0 3.49 4.00 3.25
YES NO
L0004508 0 0.40720E-07 467003.0 3777621.4 403.0 3.49 4.00 3.25
YES NO
L0004509 0 0.40720E-07 467010.2 3777616.7 403.0 3.49 4.00 3.25
YES NO
L0004510 0 0.40720E-07 467017.5 3777612.1 402.9 3.49 4.00 3.25
YES NO
L0004511 0 0.40720E-07 467024.7 3777607.5 402.6 3.49 4.00 3.25
YES NO
L0004512 0 0.40720E-07 467032.0 3777602.8 402.3 3.49 4.00 3.25
YES NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SOURCE SCALAR VARY BY
L0004513	0	0.40720E-07	467039.2	3777598.2	402.1	3.49	4.00	3.25	YES NO
L0004514	0	0.40720E-07	467046.4	3777593.6	402.0	3.49	4.00	3.25	YES NO
L0004515	0	0.40720E-07	467053.7	3777589.0	402.0	3.49	4.00	3.25	YES NO
L0004516	0	0.40720E-07	467060.9	3777584.3	402.0	3.49	4.00	3.25	YES NO
L0004517	0	0.40720E-07	467068.1	3777579.7	402.0	3.49	4.00	3.25	YES NO
L0004518	0	0.40720E-07	467075.4	3777575.1	402.0	3.49	4.00	3.25	YES NO
L0004519	0	0.40720E-07	467082.6	3777570.4	402.0	3.49	4.00	3.25	YES NO
L0004520	0	0.40720E-07	467089.8	3777565.8	402.0	3.49	4.00	3.25	YES NO
L0004521	0	0.40720E-07	467097.1	3777561.2	402.0	3.49	4.00	3.25	

YES		NO						
L0004522	0	0.40720E-07	467104.3	3777556.6	402.0	3.49	4.00	3.25
YES		NO						
L0004523	0	0.43060E-06	467427.5	3777309.8	395.4	3.49	6.51	3.25
YES		NO						
L0004524	0	0.43060E-06	467427.8	3777295.8	395.4	3.49	6.51	3.25
YES		NO						
L0004525	0	0.43060E-06	467428.1	3777281.8	395.4	3.49	6.51	3.25
YES		NO						
L0004526	0	0.43060E-06	467428.5	3777267.8	395.4	3.49	6.51	3.25
YES		NO						
L0004527	0	0.43060E-06	467428.8	3777253.8	395.3	3.49	6.51	3.25
YES		NO						
L0004528	0	0.43060E-06	467429.2	3777239.8	395.2	3.49	6.51	3.25
YES		NO						
L0004529	0	0.43060E-06	467429.5	3777225.8	395.0	3.49	6.51	3.25
YES		NO						
L0004530	0	0.43060E-06	467429.9	3777211.8	395.0	3.49	6.51	3.25
YES		NO						
L0004531	0	0.43060E-06	467430.2	3777197.8	395.0	3.49	6.51	3.25
YES		NO						
L0004532	0	0.43060E-06	467430.5	3777183.8	394.7	3.49	6.51	3.25
YES		NO						
L0004533	0	0.43060E-06	467430.9	3777169.8	394.4	3.49	6.51	3.25
YES		NO						
L0004534	0	0.43060E-06	467431.2	3777155.8	394.2	3.49	6.51	3.25
YES		NO						
L0004535	0	0.43060E-06	467431.6	3777141.8	394.1	3.49	6.51	3.25
YES		NO						
L0004536	0	0.43060E-06	467431.9	3777127.8	394.0	3.49	6.51	3.25
YES		NO						
L0004537	0	0.43060E-06	467432.2	3777113.8	394.0	3.49	6.51	3.25
YES		NO						
L0004538	0	0.43060E-06	467432.6	3777099.8	394.0	3.49	6.51	3.25
YES		NO						
L0004539	0	0.43060E-06	467432.9	3777085.8	394.0	3.49	6.51	3.25
YES		NO						
L0004540	0	0.43060E-06	467433.3	3777071.8	393.9	3.49	6.51	3.25
YES		NO						
L0004541	0	0.43060E-06	467433.6	3777057.8	393.5	3.49	6.51	3.25
YES		NO						
L0004542	0	0.43060E-06	467434.0	3777043.8	393.2	3.49	6.51	3.25
YES		NO						
L0005132	0	0.58420E-06	467425.9	3777324.8	395.6	3.49	4.00	3.25
YES		NO						
L0005133	0	0.58420E-06	467425.9	3777333.4	395.8	3.49	4.00	3.25
YES		NO						
L0005134	0	0.58420E-06	467425.9	3777342.0	395.9	3.49	4.00	3.25
YES		NO						
L0005135	0	0.58420E-06	467425.6	3777350.6	396.0	3.49	4.00	3.25
YES		NO						
L0005136	0	0.58420E-06	467424.1	3777359.0	396.0	3.49	4.00	3.25
YES		NO						
L0005137	0	0.58420E-06	467422.6	3777367.5	396.0	3.49	4.00	3.25
YES		NO						
L0005138	0	0.58420E-06	467419.0	3777375.0	396.0	3.49	4.00	3.25
YES		NO						
L0005139	0	0.58420E-06	467413.8	3777381.9	396.0	3.49	4.00	3.25
YES		NO						
L0005140	0	0.58420E-06	467408.6	3777388.7	396.0	3.49	4.00	3.25
YES		NO						
L0005141	0	0.58420E-06	467401.9	3777393.9	396.0	3.49	4.00	3.25
YES		NO						

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART. SCALAR VARY BY	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0005142	0	0.58420E-06	467394.6	3777398.3	396.0	3.49	4.00	3.25
YES		NO						
L0005143	0	0.58420E-06	467387.2	3777402.7	396.0	3.49	4.00	3.25
YES		NO						
L0005144	0	0.58420E-06	467379.8	3777407.2	396.1	3.49	4.00	3.25
YES		NO						
L0005145	0	0.58420E-06	467371.9	3777410.5	396.2	3.49	4.00	3.25
YES		NO						
L0005146	0	0.58420E-06	467364.0	3777413.7	396.4	3.49	4.00	3.25
YES		NO						
L0005147	0	0.28690E-06	467351.7	3777425.8	396.7	3.49	4.00	3.25
YES		NO						
L0005148	0	0.28690E-06	467344.5	3777430.4	397.2	3.49	4.00	3.25
YES		NO						
L0005149	0	0.28690E-06	467337.2	3777435.0	397.8	3.49	4.00	3.25
YES		NO						
L0005150	0	0.28690E-06	467330.0	3777439.7	398.4	3.49	4.00	3.25
YES		NO						
L0005151	0	0.28690E-06	467322.8	3777444.3	398.9	3.49	4.00	3.25
YES		NO						
L0005152	0	0.28690E-06	467315.5	3777449.0	399.1	3.49	4.00	3.25
YES		NO						
L0005153	0	0.28690E-06	467308.3	3777453.6	399.2	3.49	4.00	3.25
YES		NO						
L0005154	0	0.28690E-06	467301.1	3777458.3	399.5	3.49	4.00	3.25
YES		NO						
L0005155	0	0.28690E-06	467293.9	3777462.9	399.8	3.49	4.00	3.25
YES		NO						
L0005156	0	0.28690E-06	467286.6	3777467.5	400.0	3.49	4.00	3.25
YES		NO						
L0005157	0	0.28690E-06	467279.4	3777472.2	400.0	3.49	4.00	3.25
YES		NO						
L0005158	0	0.28690E-06	467272.2	3777476.8	400.0	3.49	4.00	3.25
YES		NO						
L0005159	0	0.28690E-06	467264.9	3777481.5	400.0	3.49	4.00	3.25
YES		NO						
L0005160	0	0.28690E-06	467257.7	3777486.1	400.1	3.49	4.00	3.25
YES		NO						
L0005161	0	0.28690E-06	467250.5	3777490.7	400.2	3.49	4.00	3.25
YES		NO						
L0005162	0	0.28690E-06	467243.3	3777495.4	400.5	3.49	4.00	3.25
YES		NO						
L0005163	0	0.28690E-06	467236.0	3777500.0	400.8	3.49	4.00	3.25
YES		NO						
L0005164	0	0.28690E-06	467228.8	3777504.7	401.0	3.49	4.00	3.25
YES		NO						
L0005165	0	0.28690E-06	467221.6	3777509.3	401.1	3.49	4.00	3.25
YES		NO						
L0005166	0	0.28690E-06	467214.3	3777513.9	401.3	3.49	4.00	3.25

YES NO
L0005167 0 0.28690E-06 467207.1 3777518.6 401.6 3.49 4.00 3.25
YES NO
L0005168 0 0.28690E-06 467199.9 3777523.2 401.9 3.49 4.00 3.25
YES NO
L0005169 0 0.28690E-06 467192.7 3777527.9 402.0 3.49 4.00 3.25
YES NO
L0005170 0 0.28690E-06 467185.4 3777532.5 401.9 3.49 4.00 3.25
YES NO
L0005171 0 0.28690E-06 467178.2 3777537.1 401.9 3.49 4.00 3.25
YES NO
L0005172 0 0.28690E-06 467171.0 3777541.8 402.0 3.49 4.00 3.25
YES NO
L0005173 0 0.28690E-06 467163.7 3777546.4 402.0 3.49 4.00 3.25
YES NO
L0005174 0 0.28690E-06 467156.4 3777550.9 402.0 3.49 4.00 3.25
YES NO
L0005175 0 0.28690E-06 467149.2 3777555.5 402.0 3.49 4.00 3.25
YES NO
L0005176 0 0.28690E-06 467141.9 3777560.1 402.0 3.49 4.00 3.25
YES NO
L0005177 0 0.28690E-06 467134.6 3777564.6 402.0 3.49 4.00 3.25
YES NO
L0005178 0 0.28690E-06 467127.3 3777569.2 402.0 3.49 4.00 3.25
YES NO
L0005179 0 0.28690E-06 467120.0 3777573.7 402.0 3.49 4.00 3.25
YES NO
L0005180 0 0.28690E-06 467112.8 3777578.3 402.0 3.49 4.00 3.25
YES NO
L0005181 0 0.28690E-06 467105.5 3777582.9 402.0 3.49 4.00 3.25
YES NO
FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\1432 *** 01/26/24
*** AERMET - VERSION 16216 ***
*** *** 09:09:04

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
L0005182	0	0.28690E-06	467098.2	3777587.4	402.0	3.49	4.00	3.25	YES NO
L0005183	0	0.28690E-06	467090.9	3777592.0	402.2	3.49	4.00	3.25	YES NO
L0005184	0	0.28690E-06	467083.7	3777596.6	402.3	3.49	4.00	3.25	YES NO
L0005185	0	0.28690E-06	467076.4	3777601.1	402.4	3.49	4.00	3.25	YES NO
L0005186	0	0.28690E-06	467069.1	3777605.7	402.4	3.49	4.00	3.25	YES NO
L0005187	0	0.28690E-06	467061.8	3777610.2	402.3	3.49	4.00	3.25	YES NO
L0005188	0	0.28690E-06	467054.5	3777614.8	402.2	3.49	4.00	3.25	YES NO
L0005189	0	0.28690E-06	467047.3	3777619.4	402.2	3.49	4.00	3.25	

YES		NO						
L0005190	0	0.28690E-06	467040.0	3777623.9	402.5	3.49	4.00	3.25
YES		NO						
L0005191	0	0.28690E-06	467032.7	3777628.5	402.8	3.49	4.00	3.25
YES		NO						
L0005192	0	0.28690E-06	467025.4	3777633.1	402.9	3.49	4.00	3.25
YES		NO						
L0005193	0	0.28690E-06	467018.1	3777637.6	403.0	3.49	4.00	3.25
YES		NO						
L0005194	0	0.28690E-06	467010.9	3777642.2	403.0	3.49	4.00	3.25
YES		NO						
L0005195	0	0.28690E-06	467003.6	3777646.7	403.0	3.49	4.00	3.25
YES		NO						
L0005196	0	0.28690E-06	466996.3	3777651.3	403.1	3.49	4.00	3.25
YES		NO						
L0005197	0	0.28690E-06	466989.0	3777655.9	403.3	3.49	4.00	3.25
YES		NO						
L0005198	0	0.28690E-06	466981.8	3777660.4	403.5	3.49	4.00	3.25
YES		NO						
L0005199	0	0.28690E-06	466974.5	3777665.0	403.6	3.49	4.00	3.25
YES		NO						
L0005200	0	0.28690E-06	466967.2	3777669.6	403.8	3.49	4.00	3.25
YES		NO						
L0005201	0	0.28690E-06	466959.9	3777674.1	403.9	3.49	4.00	3.25
YES		NO						
L0005202	0	0.28690E-06	466952.6	3777678.7	404.0	3.49	4.00	3.25
YES		NO						
L0005203	0	0.28690E-06	466945.4	3777683.2	404.0	3.49	4.00	3.25
YES		NO						
L0005204	0	0.28690E-06	466938.1	3777687.8	404.0	3.49	4.00	3.25
YES		NO						
L0005205	0	0.28690E-06	466930.8	3777692.4	404.0	3.49	4.00	3.25
YES		NO						
L0005206	0	0.28690E-06	466923.6	3777697.0	403.9	3.49	4.00	3.25
YES		NO						
L0005207	0	0.28690E-06	466916.4	3777701.7	403.9	3.49	4.00	3.25
YES		NO						
L0005208	0	0.28690E-06	466909.2	3777706.4	404.0	3.49	4.00	3.25
YES		NO						
L0005209	0	0.28690E-06	466901.9	3777711.0	404.0	3.49	4.00	3.25
YES		NO						
L0005210	0	0.28690E-06	466894.7	3777715.7	404.1	3.49	4.00	3.25
YES		NO						
L0005211	0	0.28690E-06	466887.5	3777720.3	404.2	3.49	4.00	3.25
YES		NO						
L0005212	0	0.28690E-06	466880.3	3777725.0	404.4	3.49	4.00	3.25
YES		NO						
L0005213	0	0.28690E-06	466873.1	3777729.6	404.7	3.49	4.00	3.25
YES		NO						
L0005214	0	0.28690E-06	466865.8	3777734.3	404.9	3.49	4.00	3.25
YES		NO						
L0005215	0	0.28690E-06	466858.6	3777738.9	405.1	3.49	4.00	3.25
YES		NO						
L0005216	0	0.28690E-06	466851.4	3777743.6	405.2	3.49	4.00	3.25
YES		NO						
L0005217	0	0.28690E-06	466844.2	3777748.2	405.4	3.49	4.00	3.25
YES		NO						
L0005218	0	0.28690E-06	466837.0	3777752.9	405.5	3.49	4.00	3.25
YES		NO						
L0005219	0	0.28690E-06	466829.7	3777757.5	405.6	3.49	4.00	3.25
YES		NO						
L0005220	0	0.28690E-06	466822.5	3777762.2	405.8	3.49	4.00	3.25
YES		NO						
L0005221	0	0.28690E-06	466815.3	3777766.8	406.0	3.49	4.00	3.25
YES		NO						

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
L0005222	0	0.28690E-06	466808.1	3777771.5	406.0	3.49	4.00	3.25	YES
L0005223	0	0.28690E-06	466800.9	3777776.2	406.0	3.49	4.00	3.25	YES
L0005224	0	0.28690E-06	466793.6	3777780.8	406.0	3.49	4.00	3.25	YES
L0005225	0	0.28690E-06	466786.4	3777785.5	406.0	3.49	4.00	3.25	YES
L0005226	0	0.28690E-06	466779.2	3777790.1	406.0	3.49	4.00	3.25	YES
L0005227	0	0.28690E-06	466772.0	3777794.8	406.0	3.49	4.00	3.25	YES
L0005228	0	0.28690E-06	466764.8	3777799.4	406.1	3.49	4.00	3.25	YES
L0005229	0	0.28690E-06	466757.5	3777804.1	406.3	3.49	4.00	3.25	YES
L0005230	0	0.28690E-06	466750.3	3777808.7	406.4	3.49	4.00	3.25	YES
L0005231	0	0.28690E-06	466743.1	3777813.4	406.6	3.49	4.00	3.25	YES
L0005232	0	0.28690E-06	466735.9	3777818.0	406.7	3.49	4.00	3.25	YES
L0005233	0	0.28690E-06	466728.7	3777822.7	406.9	3.49	4.00	3.25	YES
L0005234	0	0.28690E-06	466721.4	3777827.3	407.0	3.49	4.00	3.25	YES
L0005235	0	0.28690E-06	466714.2	3777832.0	407.3	3.49	4.00	3.25	YES
L0005236	0	0.28690E-06	466707.0	3777836.6	407.6	3.49	4.00	3.25	YES
L0005237	0	0.28690E-06	466699.8	3777841.3	407.8	3.49	4.00	3.25	YES
L0005238	0	0.28690E-06	466692.5	3777846.0	408.0	3.49	4.00	3.25	YES
L0005239	0	0.28690E-06	466685.3	3777850.6	408.0	3.49	4.00	3.25	YES
L0005240	0	0.28690E-06	466678.1	3777855.3	408.0	3.49	4.00	3.25	YES
L0005241	0	0.28690E-06	466670.9	3777859.9	408.1	3.49	4.00	3.25	YES
L0005242	0	0.28690E-06	466663.7	3777864.6	408.2	3.49	4.00	3.25	YES
L0005243	0	0.28690E-06	466656.4	3777869.2	408.5	3.49	4.00	3.25	YES
L0005244	0	0.28690E-06	466649.2	3777873.9	408.7	3.49	4.00	3.25	YES
L0005245	0	0.28690E-06	466642.0	3777878.5	408.9	3.49	4.00	3.25	YES

YES NO
L0005246 0 0.28690E-06 466634.8 3777883.2 409.0 3.49 4.00 3.25
YES NO
L0005247 0 0.28690E-06 466627.6 3777887.8 409.0 3.49 4.00 3.25
YES NO
L0005248 0 0.28690E-06 466620.3 3777892.5 409.1 3.49 4.00 3.25
YES NO
L0005249 0 0.28690E-06 466613.1 3777897.1 409.2 3.49 4.00 3.25
YES NO
L0005250 0 0.28690E-06 466605.9 3777901.8 409.4 3.49 4.00 3.25
YES NO
L0005251 0 0.28690E-06 466598.7 3777906.4 409.7 3.49 4.00 3.25
YES NO
L0005252 0 0.28690E-06 466591.5 3777911.1 409.8 3.49 4.00 3.25
YES NO
L0005253 0 0.28690E-06 466584.2 3777915.7 410.0 3.49 4.00 3.25
YES NO
L0005254 0 0.28690E-06 466577.0 3777920.4 410.0 3.49 4.00 3.25
YES NO
L0005255 0 0.28690E-06 466569.8 3777925.1 410.0 3.49 4.00 3.25
YES NO
L0005256 0 0.28690E-06 466562.6 3777929.7 410.0 3.49 4.00 3.25
YES NO
L0005257 0 0.28690E-06 466555.4 3777934.4 410.0 3.49 4.00 3.25
YES NO
L0005258 0 0.28690E-06 466548.1 3777939.0 410.0 3.49 4.00 3.25
YES NO
L0005259 0 0.28690E-06 466540.9 3777943.7 410.0 3.49 4.00 3.25
YES NO
L0005260 0 0.28690E-06 466533.7 3777948.3 410.3 3.49 4.00 3.25
YES NO
L0005261 0 0.28690E-06 466526.5 3777953.0 410.6 3.49 4.00 3.25
YES NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART. SCALAR VARY BY CATS.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0005262	0	0.28690E-06	466519.3	3777957.6	410.8	3.49	4.00	3.25
YES		NO						
L0005263	0	0.28690E-06	466512.0	3777962.3	411.0	3.49	4.00	3.25
YES		NO						
L0005264	0	0.28690E-06	466504.7	3777966.7	411.0	3.49	4.00	3.25
YES		NO						
L0005265	0	0.28690E-06	466497.2	3777971.0	411.0	3.49	4.00	3.25
YES		NO						
L0005266	0	0.28690E-06	466489.8	3777975.2	411.0	3.49	4.00	3.25
YES		NO						
L0005267	0	0.28690E-06	466482.3	3777979.5	411.1	3.49	4.00	3.25
YES		NO						
L0005268	0	0.28690E-06	466474.9	3777983.8	411.2	3.49	4.00	3.25

YES		NO						
L0005269	0	0.28690E-06	466467.4	3777988.0	411.4	3.49	4.00	3.25
YES		NO						
L0005270	0	0.28690E-06	466459.9	3777992.3	411.5	3.49	4.00	3.25
YES		NO						
L0005271	0	0.28690E-06	466452.5	3777996.5	411.7	3.49	4.00	3.25
YES		NO						
L0005272	0	0.28690E-06	466445.0	3778000.8	411.9	3.49	4.00	3.25
YES		NO						
L0005273	0	0.28690E-06	466437.5	3778004.8	412.0	3.49	4.00	3.25
YES		NO						
L0005274	0	0.28690E-06	466429.4	3778002.0	412.0	3.49	4.00	3.25
YES		NO						
L0005275	0	0.28690E-06	466422.1	3777998.4	412.0	3.49	4.00	3.25
YES		NO						
L0005276	0	0.28690E-06	466418.8	3777990.4	412.0	3.49	4.00	3.25
YES		NO						
L0005277	0	0.28690E-06	466417.6	3777982.1	412.0	3.49	4.00	3.25
YES		NO						
L0005278	0	0.28690E-06	466418.8	3777974.0	412.0	3.49	4.00	3.25
YES		NO						
L0005279	0	0.28690E-06	466424.9	3777967.9	411.8	3.49	4.00	3.25
YES		NO						
L0005280	0	0.28690E-06	466431.0	3777961.9	411.6	3.49	4.00	3.25
YES		NO						
L0005281	0	0.28690E-06	466438.0	3777957.0	411.4	3.49	4.00	3.25
YES		NO						
L0005282	0	0.28690E-06	466445.2	3777952.4	411.2	3.49	4.00	3.25
YES		NO						
L0005283	0	0.28690E-06	466452.5	3777947.8	411.0	3.49	4.00	3.25
YES		NO						
L0005284	0	0.28690E-06	466459.8	3777943.2	411.0	3.49	4.00	3.25
YES		NO						
L0005285	0	0.28690E-06	466467.0	3777938.6	410.9	3.49	4.00	3.25
YES		NO						
L0005286	0	0.28690E-06	466474.3	3777934.0	410.7	3.49	4.00	3.25
YES		NO						
L0005287	0	0.28690E-06	466481.5	3777929.4	410.4	3.49	4.00	3.25
YES		NO						
L0005288	0	0.28690E-06	466488.8	3777924.8	410.3	3.49	4.00	3.25
YES		NO						
L0005289	0	0.28690E-06	466496.0	3777920.2	410.1	3.49	4.00	3.25
YES		NO						
L0005290	0	0.28690E-06	466503.3	3777915.6	410.0	3.49	4.00	3.25
YES		NO						
L0005291	0	0.28690E-06	466510.5	3777910.9	410.0	3.49	4.00	3.25
YES		NO						
L0005292	0	0.28690E-06	466517.8	3777906.3	410.0	3.49	4.00	3.25
YES		NO						
L0005293	0	0.28690E-06	466525.0	3777901.7	410.0	3.49	4.00	3.25
YES		NO						
L0005294	0	0.28690E-06	466532.3	3777897.1	410.0	3.49	4.00	3.25
YES		NO						
L0005295	0	0.28690E-06	466539.5	3777892.5	410.0	3.49	4.00	3.25
YES		NO						
L0005296	0	0.28690E-06	466546.8	3777887.9	409.8	3.49	4.00	3.25
YES		NO						
L0005297	0	0.28690E-06	466554.0	3777883.3	409.5	3.49	4.00	3.25
YES		NO						
L0005298	0	0.28690E-06	466561.3	3777878.7	409.2	3.49	4.00	3.25
YES		NO						
L0005299	0	0.28690E-06	466568.6	3777874.1	409.0	3.49	4.00	3.25
YES		NO						
L0005300	0	0.28690E-06	466575.8	3777869.5	409.0	3.49	4.00	3.25
YES		NO						
L0005301	0	0.28690E-06	466583.1	3777864.9	409.0	3.49	4.00	3.25

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
L0005302	0	0.28690E-06	466590.3	3777860.3	409.0	3.49	4.00	3.25	YES
									NO
L0005303	0	0.28690E-06	466597.6	3777855.7	409.0	3.49	4.00	3.25	YES
									NO
L0005304	0	0.28690E-06	466604.8	3777851.1	408.8	3.49	4.00	3.25	YES
									NO
L0005305	0	0.28690E-06	466612.1	3777846.5	408.7	3.49	4.00	3.25	YES
									NO
L0005306	0	0.28690E-06	466619.3	3777841.9	408.5	3.49	4.00	3.25	YES
									NO
L0005307	0	0.28690E-06	466626.6	3777837.3	408.4	3.49	4.00	3.25	YES
									NO
L0005308	0	0.28690E-06	466633.8	3777832.7	408.2	3.49	4.00	3.25	YES
									NO
L0005309	0	0.28690E-06	466641.1	3777828.1	408.0	3.49	4.00	3.25	YES
									NO
L0005310	0	0.28690E-06	466648.3	3777823.5	407.9	3.49	4.00	3.25	YES
									NO
L0005311	0	0.28690E-06	466655.6	3777818.9	407.8	3.49	4.00	3.25	YES
									NO
L0005312	0	0.28690E-06	466662.8	3777814.3	407.6	3.49	4.00	3.25	YES
									NO
L0005313	0	0.28690E-06	466670.1	3777809.7	407.4	3.49	4.00	3.25	YES
									NO
L0005314	0	0.28690E-06	466677.3	3777805.1	407.3	3.49	4.00	3.25	YES
									NO
L0005315	0	0.28690E-06	466684.6	3777800.5	407.1	3.49	4.00	3.25	YES
									NO
L0005316	0	0.28690E-06	466691.9	3777795.9	406.9	3.49	4.00	3.25	YES
									NO
L0005317	0	0.28690E-06	466699.1	3777791.3	406.6	3.49	4.00	3.25	YES
									NO
L0005318	0	0.28690E-06	466706.4	3777786.7	406.3	3.49	4.00	3.25	YES
									NO
L0005319	0	0.28690E-06	466713.6	3777782.1	406.1	3.49	4.00	3.25	YES
									NO
L0005320	0	0.28690E-06	466720.9	3777777.5	406.0	3.49	4.00	3.25	YES
									NO
L0005321	0	0.28690E-06	466728.1	3777772.9	406.0	3.49	4.00	3.25	YES
									NO
L0005322	0	0.28690E-06	466735.4	3777768.3	406.0	3.49	4.00	3.25	YES
									NO
L0005323	0	0.28690E-06	466742.6	3777763.7	405.9	3.49	4.00	3.25	YES
									NO
L0005324	0	0.28690E-06	466749.9	3777759.1	405.5	3.49	4.00	3.25	

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 YES                  NO
 L0005325         0   0.28690E-06  466757.1 3777754.5   405.2     3.49     4.00     3.25
 YES                  NO
 L0005326         0   0.28690E-06  466764.4 3777749.9   404.9     3.49     4.00     3.25
 YES                  NO
 L0005327         0   0.28690E-06  466771.6 3777745.3   404.6     3.49     4.00     3.25
 YES                  NO
 L0005328         0   0.28690E-06  466778.9 3777740.7   404.3     3.49     4.00     3.25
 YES                  NO
 L0005329         0   0.28690E-06  466786.1 3777736.1   404.0     3.49     4.00     3.25
 YES                  NO
 L0005330         0   0.28690E-06  466793.4 3777731.5   403.7     3.49     4.00     3.25
 YES                  NO
 L0005331         0   0.28690E-06  466800.7 3777726.9   403.4     3.49     4.00     3.25
 YES                  NO
 L0005332         0   0.28690E-06  466807.9 3777722.3   403.1     3.49     4.00     3.25
 YES                  NO
 L0005333         0   0.28690E-06  466815.2 3777717.7   402.8     3.49     4.00     3.25
 YES                  NO
 L0005334         0   0.28690E-06  466822.4 3777713.1   402.6     3.49     4.00     3.25
 YES                  NO
 L0005335         0   0.28690E-06  466829.7 3777708.5   402.2     3.49     4.00     3.25
 YES                  NO
 L0005336         0   0.28690E-06  466836.9 3777703.9   402.0     3.49     4.00     3.25
 YES                  NO
 L0005337         0   0.28690E-06  466844.2 3777699.2   402.2     3.49     4.00     3.25
 YES                  NO
 L0005338         0   0.28690E-06  466851.4 3777694.6   402.5     3.49     4.00     3.25
 YES                  NO
 L0005339         0   0.28690E-06  466858.7 3777690.0   402.6     3.49     4.00     3.25
 YES                  NO
 L0005340         0   0.28690E-06  466865.9 3777685.4   402.5     3.49     4.00     3.25
 YES                  NO
 L0005341         0   0.28690E-06  466873.2 3777680.8   402.4     3.49     4.00     3.25
 YES                  NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/26/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:09:04

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

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

 L0005342         0   0.28690E-06  466880.4 3777676.2   402.4     3.49     4.00     3.25
 YES                  NO
 L0005343         0   0.28690E-06  466887.7 3777671.6   402.5     3.49     4.00     3.25
 YES                  NO
 L0005344         0   0.28690E-06  466894.9 3777667.0   402.6     3.49     4.00     3.25
 YES                  NO
 L0005345         0   0.28690E-06  466902.2 3777662.4   402.6     3.49     4.00     3.25
 YES                  NO
 L0005346         0   0.28690E-06  466909.5 3777657.8   402.7     3.49     4.00     3.25
 YES                  NO
 L0005347         0   0.28690E-06  466916.7 3777653.2   402.8     3.49     4.00     3.25
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YES		NO						
L0005348	0	0.28690E-06	466924.0	3777648.6	402.9	3.49	4.00	3.25
YES		NO						
L0005349	0	0.28690E-06	466931.2	3777644.0	402.9	3.49	4.00	3.25
YES		NO						
L0005350	0	0.28690E-06	466938.5	3777639.4	402.8	3.49	4.00	3.25
YES		NO						
L0005351	0	0.28690E-06	466945.7	3777634.8	402.6	3.49	4.00	3.25
YES		NO						
L0005352	0	0.28690E-06	466953.0	3777630.2	402.5	3.49	4.00	3.25
YES		NO						
L0005353	0	0.28690E-06	466960.2	3777625.6	402.3	3.49	4.00	3.25
YES		NO						
L0005354	0	0.28690E-06	466967.5	3777621.0	402.4	3.49	4.00	3.25
YES		NO						
L0005355	0	0.28690E-06	466974.7	3777616.4	402.5	3.49	4.00	3.25
YES		NO						
L0005356	0	0.28690E-06	466982.0	3777611.8	402.7	3.49	4.00	3.25
YES		NO						
L0005357	0	0.28690E-06	466989.2	3777607.2	403.0	3.49	4.00	3.25
YES		NO						
L0005358	0	0.28690E-06	466996.5	3777602.6	402.9	3.49	4.00	3.25
YES		NO						
L0005359	0	0.28690E-06	467003.7	3777598.0	402.7	3.49	4.00	3.25
YES		NO						
L0005360	0	0.28690E-06	467011.0	3777593.4	402.5	3.49	4.00	3.25
YES		NO						
L0005361	0	0.28690E-06	467018.2	3777588.8	402.1	3.49	4.00	3.25
YES		NO						
L0005362	0	0.28690E-06	467025.5	3777584.2	402.0	3.49	4.00	3.25
YES		NO						
L0005363	0	0.28690E-06	467032.8	3777579.6	402.0	3.49	4.00	3.25
YES		NO						
L0005364	0	0.28690E-06	467040.0	3777575.0	402.0	3.49	4.00	3.25
YES		NO						
L0005365	0	0.28690E-06	467047.3	3777570.4	402.0	3.49	4.00	3.25
YES		NO						
L0005366	0	0.28690E-06	467054.5	3777565.8	402.0	3.49	4.00	3.25
YES		NO						
L0005367	0	0.28690E-06	467061.8	3777561.2	402.0	3.49	4.00	3.25
YES		NO						
L0005368	0	0.28690E-06	467069.0	3777556.6	402.0	3.49	4.00	3.25
YES		NO						
L0005369	0	0.28690E-06	467076.3	3777552.0	402.0	3.49	4.00	3.25
YES		NO						
L0005370	0	0.28690E-06	467083.5	3777547.4	402.0	3.49	4.00	3.25
YES		NO						
L0005371	0	0.28690E-06	467090.8	3777542.8	402.0	3.49	4.00	3.25
YES		NO						
L0005372	0	0.28690E-06	467098.0	3777538.2	402.0	3.49	4.00	3.25
YES		NO						
L0005373	0	0.28690E-06	467105.3	3777533.6	402.0	3.49	4.00	3.25
YES		NO						
L0005374	0	0.28690E-06	467112.5	3777529.0	402.0	3.49	4.00	3.25
YES		NO						
L0005375	0	0.28690E-06	467119.8	3777524.4	402.0	3.49	4.00	3.25
YES		NO						
L0005376	0	0.28690E-06	467127.0	3777519.8	402.0	3.49	4.00	3.25
YES		NO						
L0005377	0	0.28690E-06	467134.3	3777515.2	402.0	3.49	4.00	3.25
YES		NO						
L0005378	0	0.28690E-06	467141.6	3777510.6	402.0	3.49	4.00	3.25
YES		NO						
L0005379	0	0.28690E-06	467148.8	3777506.0	402.0	3.49	4.00	3.25
YES		NO						
L0005380	0	0.28690E-06	467156.1	3777501.4	402.0	3.49	4.00	3.25

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
L0005381	0	0.28690E-06	467163.3	3777496.8	402.0	3.49	4.00	3.25	YES
									NO
L0005382	0	0.28690E-06	467170.6	3777492.2	402.0	3.49	4.00	3.25	YES
									NO
L0005383	0	0.28690E-06	467177.8	3777487.5	401.7	3.49	4.00	3.25	YES
									NO
L0005384	0	0.28690E-06	467185.1	3777482.9	401.5	3.49	4.00	3.25	YES
									NO
L0005385	0	0.28690E-06	467192.3	3777478.3	401.2	3.49	4.00	3.25	YES
									NO
L0005386	0	0.28690E-06	467199.6	3777473.7	401.0	3.49	4.00	3.25	YES
									NO
L0005387	0	0.28690E-06	467206.8	3777469.1	400.8	3.49	4.00	3.25	YES
									NO
L0005388	0	0.28690E-06	467214.1	3777464.5	400.5	3.49	4.00	3.25	YES
									NO
L0005389	0	0.28690E-06	467221.4	3777460.0	400.2	3.49	4.00	3.25	YES
									NO
L0005390	0	0.28690E-06	467228.7	3777455.4	400.0	3.49	4.00	3.25	YES
									NO
L0005391	0	0.28690E-06	467235.9	3777450.9	400.0	3.49	4.00	3.25	YES
									NO
L0005392	0	0.28690E-06	467243.6	3777447.1	400.0	3.49	4.00	3.25	YES
									NO
L0005393	0	0.28690E-06	467251.3	3777443.2	400.0	3.49	4.00	3.25	YES
									NO
L0005394	0	0.28690E-06	467259.0	3777439.4	400.0	3.49	4.00	3.25	YES
									NO
L0005395	0	0.28690E-06	467266.9	3777436.0	399.8	3.49	4.00	3.25	YES
									NO
L0005396	0	0.28690E-06	467275.1	3777433.4	399.5	3.49	4.00	3.25	YES
									NO
L0005397	0	0.28690E-06	467283.2	3777430.7	399.2	3.49	4.00	3.25	YES
									NO
L0005398	0	0.28690E-06	467291.4	3777428.1	399.0	3.49	4.00	3.25	YES
									NO
L0005399	0	0.28690E-06	467299.7	3777425.8	398.9	3.49	4.00	3.25	YES
									NO
L0005400	0	0.28690E-06	467308.0	3777423.9	398.8	3.49	4.00	3.25	YES
									NO
L0005401	0	0.28690E-06	467316.4	3777421.9	398.6	3.49	4.00	3.25	YES
									NO
L0005402	0	0.28690E-06	467324.8	3777420.0	398.1	3.49	4.00	3.25	YES
									NO
L0005403	0	0.28690E-06	467333.1	3777418.0	397.5	3.49	4.00	3.25	

YES NO
L0005404 0 0.28690E-06 467341.5 3777416.0 396.9 3.49 4.00 3.25
YES NO
L0005405 0 0.28690E-06 467349.9 3777414.1 396.3 3.49 4.00 3.25
YES NO
L0005406 0 0.28650E-06 467222.1 3777492.9 400.9 3.49 4.00 3.25
YES NO
L0005407 0 0.28650E-06 467217.7 3777485.5 400.8 3.49 4.00 3.25
YES NO
L0005408 0 0.28650E-06 467213.3 3777478.1 400.7 3.49 4.00 3.25
YES NO
L0005409 0 0.28650E-06 467208.9 3777470.7 400.7 3.49 4.00 3.25
YES NO
L0005410 0 0.28650E-06 467204.6 3777463.3 400.8 3.49 4.00 3.25
YES NO
L0005411 0 0.28650E-06 467200.2 3777455.9 400.7 3.49 4.00 3.25
YES NO
L0005412 0 0.28650E-06 467195.8 3777448.5 400.5 3.49 4.00 3.25
YES NO
L0005413 0 0.28650E-06 467191.4 3777441.1 400.2 3.49 4.00 3.25
YES NO
L0005414 0 0.28650E-06 467187.1 3777433.7 399.9 3.49 4.00 3.25
YES NO
L0005415 0 0.28650E-06 467182.7 3777426.3 399.7 3.49 4.00 3.25
YES NO
L0005416 0 0.28650E-06 467178.3 3777418.9 399.4 3.49 4.00 3.25
YES NO
L0005417 0 0.28650E-06 467174.0 3777411.6 399.2 3.49 4.00 3.25
YES NO
L0005418 0 0.28650E-06 467169.6 3777404.2 399.0 3.49 4.00 3.25
YES NO
L0005419 0 0.28650E-06 467165.2 3777396.8 399.2 3.49 4.00 3.25
YES NO
L0005420 0 0.28650E-06 467160.8 3777389.4 399.3 3.49 4.00 3.25
YES NO
L0005421 0 0.28650E-06 467156.5 3777382.0 399.4 3.49 4.00 3.25
YES NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
L0005422	0	0.28650E-06	467152.1	3777374.6	399.6	3.49	4.00	3.25	YES NO
L0005423	0	0.28650E-06	467147.7	3777367.2	399.5	3.49	4.00	3.25	YES NO
L0005424	0	0.28650E-06	467143.3	3777359.8	399.4	3.49	4.00	3.25	YES NO
L0005425	0	0.28650E-06	467139.0	3777352.4	399.2	3.49	4.00	3.25	YES NO
L0005426	0	0.28650E-06	467134.6	3777345.0	399.0	3.49	4.00	3.25	

YES		NO						
L0005427	0	0.28650E-06	467130.3	3777337.5	399.0	3.49	4.00	3.25
YES		NO						
L0005428	0	0.28650E-06	467126.2	3777330.0	399.0	3.49	4.00	3.25
YES		NO						
L0005429	0	0.28650E-06	467118.0	3777329.3	399.0	3.49	4.00	3.25
YES		NO						
L0005430	0	0.28650E-06	467109.4	3777329.3	399.0	3.49	4.00	3.25
YES		NO						
L0005431	0	0.28650E-06	467100.8	3777329.3	399.0	3.49	4.00	3.25
YES		NO						
L0005432	0	0.28650E-06	467092.2	3777329.3	399.0	3.49	4.00	3.25
YES		NO						
L0005433	0	0.28650E-06	467083.7	3777330.1	399.0	3.49	4.00	3.25
YES		NO						
L0005434	0	0.28650E-06	467075.2	3777331.2	399.0	3.49	4.00	3.25
YES		NO						
L0005435	0	0.28650E-06	467066.7	3777332.3	399.0	3.49	4.00	3.25
YES		NO						
L0005436	0	0.28650E-06	467058.3	3777334.0	399.0	3.49	4.00	3.25
YES		NO						
L0005437	0	0.28650E-06	467050.0	3777336.4	399.0	3.49	4.00	3.25
YES		NO						
L0005438	0	0.28650E-06	467042.3	3777340.0	399.2	3.49	4.00	3.25
YES		NO						
L0005439	0	0.28650E-06	467035.0	3777344.5	399.5	3.49	4.00	3.25
YES		NO						
L0005440	0	0.28650E-06	467026.7	3777346.5	399.8	3.49	4.00	3.25
YES		NO						
L0005441	0	0.28650E-06	467018.2	3777348.0	400.0	3.49	4.00	3.25
YES		NO						
L0005442	0	0.28650E-06	467009.8	3777349.7	400.0	3.49	4.00	3.25
YES		NO						
L0005443	0	0.28650E-06	467001.4	3777351.5	400.1	3.49	4.00	3.25
YES		NO						
L0005444	0	0.28650E-06	466993.0	3777353.3	400.2	3.49	4.00	3.25
YES		NO						
L0005445	0	0.28650E-06	466984.6	3777355.1	400.4	3.49	4.00	3.25
YES		NO						
L0005446	0	0.28650E-06	466976.2	3777356.9	400.7	3.49	4.00	3.25
YES		NO						
L0005447	0	0.28650E-06	466968.0	3777359.3	400.9	3.49	4.00	3.25
YES		NO						
L0005448	0	0.28650E-06	466959.9	3777362.1	401.0	3.49	4.00	3.25
YES		NO						
L0005449	0	0.28650E-06	466951.8	3777364.9	401.2	3.49	4.00	3.25
YES		NO						
L0005450	0	0.28650E-06	466944.1	3777368.6	401.4	3.49	4.00	3.25
YES		NO						
L0005451	0	0.28650E-06	466936.8	3777373.2	401.7	3.49	4.00	3.25
YES		NO						
L0005452	0	0.28650E-06	466929.6	3777377.9	402.0	3.49	4.00	3.25
YES		NO						
L0005453	0	0.28650E-06	466922.4	3777382.5	402.0	3.49	4.00	3.25
YES		NO						
L0005454	0	0.28650E-06	466915.1	3777387.2	402.0	3.49	4.00	3.25
YES		NO						
L0005455	0	0.28650E-06	466907.9	3777391.8	402.0	3.49	4.00	3.25
YES		NO						
L0005456	0	0.28650E-06	466900.7	3777396.5	402.0	3.49	4.00	3.25
YES		NO						
L0005457	0	0.28650E-06	466893.5	3777401.1	402.0	3.49	4.00	3.25
YES		NO						
L0005458	0	0.28650E-06	466886.2	3777405.7	402.0	3.49	4.00	3.25
YES		NO						
L0005459	0	0.28650E-06	466879.0	3777410.4	402.0	3.49	4.00	3.25

YES NO
L0005460 0 0.28650E-06 466871.8 3777415.0 402.0 3.49 4.00 3.25
YES NO
L0005461 0 0.28650E-06 466864.6 3777419.7 402.0 3.49 4.00 3.25
YES NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN PART. SCALAR VARY BY	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0005462	0	0.28650E-06	466857.3	3777424.3	402.0	3.49	4.00	3.25
YES		NO						
L0005463	0	0.28650E-06	466850.1	3777428.9	402.0	3.49	4.00	3.25
YES		NO						
L0005464	0	0.28650E-06	466842.9	3777433.6	402.0	3.49	4.00	3.25
YES		NO						
L0005465	0	0.28650E-06	466835.6	3777438.2	402.0	3.49	4.00	3.25
YES		NO						
L0005466	0	0.28650E-06	466828.4	3777442.9	402.0	3.49	4.00	3.25
YES		NO						
L0005467	0	0.28650E-06	466821.2	3777447.5	402.0	3.49	4.00	3.25
YES		NO						
L0005468	0	0.28650E-06	466814.0	3777452.2	402.0	3.49	4.00	3.25
YES		NO						
L0005469	0	0.28650E-06	466806.7	3777456.8	402.0	3.49	4.00	3.25
YES		NO						
L0005470	0	0.28650E-06	466799.5	3777461.4	402.0	3.49	4.00	3.25
YES		NO						
L0005471	0	0.28650E-06	466792.3	3777466.1	402.0	3.49	4.00	3.25
YES		NO						
L0005472	0	0.28650E-06	466785.0	3777470.7	402.0	3.49	4.00	3.25
YES		NO						
L0005473	0	0.28650E-06	466777.8	3777475.4	402.0	3.49	4.00	3.25
YES		NO						
L0005474	0	0.28650E-06	466770.6	3777480.0	402.1	3.49	4.00	3.25
YES		NO						
L0005475	0	0.28650E-06	466763.4	3777484.7	402.3	3.49	4.00	3.25
YES		NO						
L0005476	0	0.28650E-06	466756.1	3777489.3	402.6	3.49	4.00	3.25
YES		NO						
L0005477	0	0.28650E-06	466748.9	3777493.9	402.9	3.49	4.00	3.25
YES		NO						
L0005478	0	0.28650E-06	466741.7	3777498.6	403.0	3.49	4.00	3.25
YES		NO						
L0005479	0	0.28650E-06	466734.5	3777503.2	403.0	3.49	4.00	3.25
YES		NO						
L0005480	0	0.28650E-06	466727.2	3777507.9	403.0	3.49	4.00	3.25
YES		NO						
L0005481	0	0.28650E-06	466720.0	3777512.5	403.0	3.49	4.00	3.25
YES		NO						
L0005482	0	0.28650E-06	466712.8	3777517.1	403.0	3.49	4.00	3.25

YES NO
L0005483 0 0.28650E-06 466705.5 3777521.8 403.0 3.49 4.00 3.25
YES NO
L0005484 0 0.28650E-06 466698.3 3777526.4 403.0 3.49 4.00 3.25
YES NO
L0005485 0 0.28650E-06 466691.1 3777531.1 402.8 3.49 4.00 3.25
YES NO
L0005486 0 0.28650E-06 466683.9 3777535.7 402.8 3.49 4.00 3.25
YES NO
L0005487 0 0.28650E-06 466676.6 3777540.4 402.7 3.49 4.00 3.25
YES NO
L0005488 0 0.28650E-06 466669.4 3777545.0 402.8 3.49 4.00 3.25
YES NO
L0005489 0 0.28650E-06 466662.2 3777549.6 402.9 3.49 4.00 3.25
YES NO
L0005490 0 0.28650E-06 466654.9 3777554.3 403.2 3.49 4.00 3.25
YES NO
L0005491 0 0.28650E-06 466647.7 3777558.9 403.3 3.49 4.00 3.25
YES NO
L0005492 0 0.28650E-06 466640.5 3777563.6 403.4 3.49 4.00 3.25
YES NO
L0005493 0 0.28650E-06 466633.3 3777568.2 403.5 3.49 4.00 3.25
YES NO
L0005494 0 0.28650E-06 466626.0 3777572.8 403.5 3.49 4.00 3.25
YES NO
L0005495 0 0.28650E-06 466618.8 3777577.5 403.6 3.49 4.00 3.25
YES NO
L0005496 0 0.28650E-06 466611.6 3777582.1 403.7 3.49 4.00 3.25
YES NO
L0005497 0 0.28650E-06 466604.4 3777586.8 403.9 3.49 4.00 3.25
YES NO
L0005498 0 0.28650E-06 466597.1 3777591.4 404.1 3.49 4.00 3.25
YES NO
L0005499 0 0.28650E-06 466589.9 3777596.1 404.3 3.49 4.00 3.25
YES NO
L0005500 0 0.28650E-06 466582.7 3777600.7 404.6 3.49 4.00 3.25
YES NO
L0005501 0 0.28650E-06 466575.4 3777605.3 404.8 3.49 4.00 3.25
YES NO

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
L0005502	0	0.28650E-06	466568.2	3777610.0	405.1	3.49	4.00	3.25	YES
L0005503	0	0.28650E-06	466561.0	3777614.6	405.3	3.49	4.00	3.25	YES
L0005504	0	0.28650E-06	466553.8	3777619.3	405.6	3.49	4.00	3.25	YES
L0005505	0	0.28650E-06	466546.5	3777623.9	405.8	3.49	4.00	3.25	YES

YES		NO						
L0005506	0	0.28650E-06	466539.3	3777628.6	406.0	3.49	4.00	3.25
YES		NO						
L0005507	0	0.28650E-06	466532.1	3777633.2	406.2	3.49	4.00	3.25
YES		NO						
L0005508	0	0.28650E-06	466524.8	3777637.8	406.4	3.49	4.00	3.25
YES		NO						
L0005509	0	0.28650E-06	466517.6	3777642.5	406.7	3.49	4.00	3.25
YES		NO						
L0005510	0	0.28650E-06	466510.4	3777647.1	407.0	3.49	4.00	3.25
YES		NO						
L0005511	0	0.28650E-06	466503.2	3777651.8	407.0	3.49	4.00	3.25
YES		NO						
L0005512	0	0.28650E-06	466495.9	3777656.4	407.0	3.49	4.00	3.25
YES		NO						
L0005513	0	0.28650E-06	466488.7	3777661.0	407.0	3.49	4.00	3.25
YES		NO						
L0005514	0	0.28650E-06	466481.5	3777665.7	407.0	3.49	4.00	3.25
YES		NO						
L0005515	0	0.28650E-06	466474.3	3777670.3	407.2	3.49	4.00	3.25
YES		NO						
L0005516	0	0.28650E-06	466467.0	3777675.0	407.4	3.49	4.00	3.25
YES		NO						
L0005517	0	0.28650E-06	466459.8	3777679.6	407.7	3.49	4.00	3.25
YES		NO						
L0005518	0	0.28650E-06	466452.6	3777684.3	407.9	3.49	4.00	3.25
YES		NO						
L0005519	0	0.28650E-06	466445.3	3777688.9	408.0	3.49	4.00	3.25
YES		NO						
L0005520	0	0.28650E-06	466443.6	3777694.8	408.0	3.49	4.00	3.25
YES		NO						
L0005521	0	0.28650E-06	466447.9	3777702.2	408.0	3.49	4.00	3.25
YES		NO						
L0005522	0	0.28650E-06	466452.3	3777709.6	408.0	3.49	4.00	3.25
YES		NO						
L0005523	0	0.28650E-06	466456.7	3777717.0	408.0	3.49	4.00	3.25
YES		NO						
L0005524	0	0.28650E-06	466461.1	3777724.4	408.0	3.49	4.00	3.25
YES		NO						
L0005525	0	0.28650E-06	466465.4	3777731.8	408.0	3.49	4.00	3.25
YES		NO						
L0005526	0	0.28650E-06	466469.8	3777739.2	408.1	3.49	4.00	3.25
YES		NO						
L0005527	0	0.28650E-06	466474.2	3777746.6	408.4	3.49	4.00	3.25
YES		NO						
L0005528	0	0.28650E-06	466478.5	3777754.0	408.6	3.49	4.00	3.25
YES		NO						
L0005529	0	0.28650E-06	466482.9	3777761.4	408.8	3.49	4.00	3.25
YES		NO						
L0005530	0	0.28650E-06	466487.3	3777768.8	408.8	3.49	4.00	3.25
YES		NO						
L0005531	0	0.28650E-06	466491.6	3777776.2	408.6	3.49	4.00	3.25
YES		NO						
L0005532	0	0.28650E-06	466496.0	3777783.6	408.5	3.49	4.00	3.25
YES		NO						
L0005533	0	0.28650E-06	466500.4	3777791.0	408.3	3.49	4.00	3.25
YES		NO						
L0005534	0	0.28650E-06	466504.8	3777798.4	408.2	3.49	4.00	3.25
YES		NO						
L0005535	0	0.28650E-06	466509.1	3777805.8	408.3	3.49	4.00	3.25
YES		NO						
L0005536	0	0.28650E-06	466513.5	3777813.2	408.6	3.49	4.00	3.25
YES		NO						
L0005537	0	0.28650E-06	466517.9	3777820.6	408.8	3.49	4.00	3.25
YES		NO						
L0005538	0	0.28650E-06	466522.2	3777828.0	409.0	3.49	4.00	3.25

YES NO
L0005539 0 0.28650E-06 466526.6 3777835.3 409.0 3.49 4.00 3.25
YES NO
L0005540 0 0.28650E-06 466531.0 3777842.7 409.0 3.49 4.00 3.25
YES NO
L0005541 0 0.28650E-06 466535.3 3777850.1 409.0 3.49 4.00 3.25
YES NO
FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\1432 *** 01/26/24
*** AERMET - VERSION 16216 ***
*** *** 09:09:04

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ	SCALAR VARY BY
L0005542	0	0.28650E-06	466539.7	3777857.5	409.0	3.49	4.00	3.25	
YES		NO							
L0005543	0	0.28650E-06	466544.1	3777864.9	409.2	3.49	4.00	3.25	
YES		NO							
L0005544	0	0.57350E-06	466407.5	3777959.9	412.0	3.49	4.00	3.25	
YES		NO							
L0005545	0	0.57350E-06	466403.2	3777952.5	412.0	3.49	4.00	3.25	
YES		NO							
L0005546	0	0.57350E-06	466398.9	3777945.0	412.0	3.49	4.00	3.25	
YES		NO							
L0005547	0	0.57350E-06	466394.6	3777937.6	411.7	3.49	4.00	3.25	
YES		NO							
L0005548	0	0.57350E-06	466390.3	3777930.2	411.5	3.49	4.00	3.25	
YES		NO							
L0005549	0	0.57350E-06	466385.9	3777922.7	411.3	3.49	4.00	3.25	
YES		NO							
L0005550	0	0.57350E-06	466381.6	3777915.3	411.3	3.49	4.00	3.25	
YES		NO							
L0005551	0	0.57350E-06	466377.3	3777907.9	411.3	3.49	4.00	3.25	
YES		NO							
L0005552	0	0.57350E-06	466373.0	3777900.5	411.3	3.49	4.00	3.25	
YES		NO							
L0005553	0	0.57350E-06	466368.7	3777893.0	411.2	3.49	4.00	3.25	
YES		NO							
L0005554	0	0.57350E-06	466364.4	3777885.6	411.0	3.49	4.00	3.25	
YES		NO							
L0005555	0	0.57350E-06	466360.1	3777878.2	411.0	3.49	4.00	3.25	
YES		NO							
L0005556	0	0.57350E-06	466355.8	3777870.7	411.1	3.49	4.00	3.25	
YES		NO							
L0005557	0	0.57350E-06	466351.5	3777863.3	411.3	3.49	4.00	3.25	
YES		NO							
L0005558	0	0.57350E-06	466347.2	3777855.9	411.4	3.49	4.00	3.25	
YES		NO							
L0005559	0	0.57350E-06	466342.8	3777848.4	411.4	3.49	4.00	3.25	
YES		NO							
L0005560	0	0.57350E-06	466338.5	3777841.0	411.4	3.49	4.00	3.25	
YES		NO							
L0005561	0	0.57350E-06	466334.2	3777833.6	411.2	3.49	4.00	3.25	

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 YES                  NO
 L0005562         0   0.57350E-06  466329.9 3777826.1   411.0     3.49     4.00     3.25
 YES                  NO
 L0005563         0   0.57350E-06  466325.6 3777818.7   411.1     3.49     4.00     3.25
 YES                  NO
 L0005564         0   0.57350E-06  466321.3 3777811.3   411.3     3.49     4.00     3.25
 YES                  NO
 L0005565         0   0.57350E-06  466317.0 3777803.9   411.4     3.49     4.00     3.25
 YES                  NO
 L0005566         0   0.57350E-06  466312.7 3777796.4   411.6     3.49     4.00     3.25
 YES                  NO
 L0005567         0   0.57350E-06  466308.4 3777789.0   411.5     3.49     4.00     3.25
 YES                  NO
 L0005568         0   0.57350E-06  466304.0 3777781.6   411.4     3.49     4.00     3.25
 YES                  NO
 L0005569         0   0.57350E-06  466299.7 3777774.1   411.3     3.49     4.00     3.25
 YES                  NO
 L0005570         0   0.57350E-06  466297.4 3777765.9   411.2     3.49     4.00     3.25
 YES                  NO
 L0005571         0   0.57350E-06  466295.2 3777757.6   411.5     3.49     4.00     3.25
 YES                  NO
 L0005572         0   0.57350E-06  466293.0 3777749.3   411.8     3.49     4.00     3.25
 YES                  NO
 L0005573         0   0.57350E-06  466291.9 3777740.9   412.0     3.49     4.00     3.25
 YES                  NO
 L0005574         0   0.57350E-06  466292.6 3777732.3   412.3     3.49     4.00     3.25
 YES                  NO
 L0005575         0   0.57350E-06  466293.3 3777723.8   413.0     3.49     4.00     3.25
 YES                  NO
 L0005576         0   0.57350E-06  466295.3 3777715.8   413.5     3.49     4.00     3.25
 YES                  NO
 L0005577         0   0.57350E-06  466301.3 3777709.6   413.6     3.49     4.00     3.25
 YES                  NO
 L0005578         0   0.57350E-06  466307.2 3777704.0   413.5     3.49     4.00     3.25
 YES                  NO
 L0005579         0   0.57350E-06  466313.1 3777710.2   412.8     3.49     4.00     3.25
 YES                  NO
 L0005580         0   0.57350E-06  466319.1 3777716.3   412.1     3.49     4.00     3.25
 YES                  NO
 L0005581         0   0.57350E-06  466325.1 3777722.5   411.6     3.49     4.00     3.25
 YES                  NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/26/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***       09:09:04

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
  SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ
  SOURCE  SCALAR VARY
    ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
    (METERS)             BY
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 L0005582         0   0.57350E-06  466330.3 3777729.3   411.2     3.49     4.00     3.25
 YES                  NO
 L0005583         0   0.57350E-06  466334.8 3777736.6   411.0     3.49     4.00     3.25
 YES                  NO
 L0005584         0   0.57350E-06  466339.3 3777743.9   410.9     3.49     4.00     3.25
```

YES		NO						
L0005585	0	0.57350E-06	466343.8	3777751.3	410.8	3.49	4.00	3.25
YES		NO						
L0005586	0	0.57350E-06	466348.3	3777758.6	410.5	3.49	4.00	3.25
YES		NO						
L0005587	0	0.57350E-06	466352.8	3777765.9	410.2	3.49	4.00	3.25
YES		NO						
L0005588	0	0.57350E-06	466357.3	3777773.2	410.3	3.49	4.00	3.25
YES		NO						
L0005589	0	0.57350E-06	466361.8	3777780.5	410.4	3.49	4.00	3.25
YES		NO						
L0005590	0	0.57350E-06	466366.3	3777787.8	410.6	3.49	4.00	3.25
YES		NO						
L0005591	0	0.57350E-06	466370.8	3777795.1	410.6	3.49	4.00	3.25
YES		NO						
L0005592	0	0.57350E-06	466375.3	3777802.5	410.6	3.49	4.00	3.25
YES		NO						
L0005593	0	0.57350E-06	466379.8	3777809.8	410.6	3.49	4.00	3.25
YES		NO						
L0005594	0	0.57350E-06	466384.3	3777817.1	410.8	3.49	4.00	3.25
YES		NO						
L0005595	0	0.57350E-06	466388.8	3777824.4	410.9	3.49	4.00	3.25
YES		NO						
L0005596	0	0.57350E-06	466393.3	3777831.7	410.9	3.49	4.00	3.25
YES		NO						
L0005597	0	0.57350E-06	466397.8	3777839.0	410.7	3.49	4.00	3.25
YES		NO						
L0005598	0	0.57350E-06	466402.3	3777846.3	410.6	3.49	4.00	3.25
YES		NO						
L0005599	0	0.57350E-06	466406.8	3777853.6	410.4	3.49	4.00	3.25
YES		NO						
L0005600	0	0.57350E-06	466411.3	3777861.0	410.4	3.49	4.00	3.25
YES		NO						
L0005601	0	0.57350E-06	466415.8	3777868.3	410.5	3.49	4.00	3.25
YES		NO						
L0005602	0	0.57350E-06	466420.4	3777875.6	410.6	3.49	4.00	3.25
YES		NO						
L0005603	0	0.57350E-06	466424.9	3777882.9	410.7	3.49	4.00	3.25
YES		NO						
L0005604	0	0.57350E-06	466429.4	3777890.2	410.7	3.49	4.00	3.25
YES		NO						
L0005605	0	0.57350E-06	466433.9	3777897.5	410.7	3.49	4.00	3.25
YES		NO						
L0005606	0	0.57350E-06	466438.4	3777904.8	410.8	3.49	4.00	3.25
YES		NO						
L0005607	0	0.57350E-06	466442.9	3777912.2	410.9	3.49	4.00	3.25
YES		NO						
L0005608	0	0.57350E-06	466447.4	3777919.5	411.0	3.49	4.00	3.25
YES		NO						
L0005609	0	0.57350E-06	466452.5	3777924.2	410.9	3.49	4.00	3.25
YES		NO						
L0005610	0	0.57350E-06	466459.6	3777919.5	410.7	3.49	4.00	3.25
YES		NO						
L0005611	0	0.57350E-06	466466.8	3777914.7	410.4	3.49	4.00	3.25
YES		NO						
L0005612	0	0.57350E-06	466473.9	3777910.0	410.2	3.49	4.00	3.25
YES		NO						
L0005613	0	0.57350E-06	466481.1	3777905.3	410.0	3.49	4.00	3.25
YES		NO						
L0005614	0	0.57350E-06	466488.3	3777900.5	410.0	3.49	4.00	3.25
YES		NO						
L0005615	0	0.57350E-06	466495.4	3777895.8	410.0	3.49	4.00	3.25
YES		NO						
L0005616	0	0.57350E-06	466495.1	3777889.4	410.0	3.49	4.00	3.25
YES		NO						
L0005617	0	0.57350E-06	466490.5	3777882.1	409.9	3.49	4.00	3.25

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	SCALAR VARY BY
L0005618	0	0.57350E-06	466485.9	3777874.9	409.9	3.49	4.00	3.25	YES	NO
L0005619	0	0.57350E-06	466481.4	3777867.6	410.0	3.49	4.00	3.25	YES	NO
L0005620	0	0.57350E-06	466476.8	3777860.3	410.0	3.49	4.00	3.25	YES	NO
L0005621	0	0.57350E-06	466472.2	3777853.0	409.9	3.49	4.00	3.25	YES	NO
L0005622	0	0.57350E-06	466467.7	3777845.7	409.8	3.49	4.00	3.25	YES	NO
L0005623	0	0.57350E-06	466463.1	3777838.5	409.7	3.49	4.00	3.25	YES	NO
L0005624	0	0.57350E-06	466458.5	3777831.2	409.8	3.49	4.00	3.25	YES	NO
L0005625	0	0.57350E-06	466454.0	3777823.9	409.8	3.49	4.00	3.25	YES	NO
L0005626	0	0.57350E-06	466449.4	3777816.6	409.7	3.49	4.00	3.25	YES	NO
L0005627	0	0.57350E-06	466444.9	3777809.4	409.5	3.49	4.00	3.25	YES	NO
L0005628	0	0.57350E-06	466440.3	3777802.1	409.4	3.49	4.00	3.25	YES	NO
L0005629	0	0.57350E-06	466435.7	3777794.8	409.4	3.49	4.00	3.25	YES	NO
L0005630	0	0.57350E-06	466431.2	3777787.5	409.4	3.49	4.00	3.25	YES	NO
L0005631	0	0.57350E-06	466426.6	3777780.2	409.4	3.49	4.00	3.25	YES	NO
L0005632	0	0.57350E-06	466422.0	3777773.0	409.2	3.49	4.00	3.25	YES	NO
L0005633	0	0.57350E-06	466417.5	3777765.7	409.1	3.49	4.00	3.25	YES	NO
L0005634	0	0.57350E-06	466412.9	3777758.4	409.2	3.49	4.00	3.25	YES	NO
L0005635	0	0.57350E-06	466408.4	3777751.1	409.4	3.49	4.00	3.25	YES	NO
L0005636	0	0.57350E-06	466403.8	3777743.9	409.5	3.49	4.00	3.25	YES	NO
L0005637	0	0.57350E-06	466399.2	3777736.6	409.7	3.49	4.00	3.25	YES	NO
L0005638	0	0.57350E-06	466394.7	3777729.3	409.8	3.49	4.00	3.25	YES	NO
L0005639	0	0.57350E-06	466390.1	3777722.0	410.0	3.49	4.00	3.25	YES	NO
L0005640	0	0.57350E-06	466385.5	3777714.8	410.2	3.49	4.00	3.25		

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 YES                   NO
 L0005641         0   0.57350E-06  466381.0 3777707.5   410.6     3.49     4.00     3.25
 YES                   NO
 L0005642         0   0.57350E-06  466376.4 3777700.2   410.9     3.49     4.00     3.25
 YES                   NO
 L0005643         0   0.57350E-06  466371.8 3777692.9   411.2     3.49     4.00     3.25
 YES                   NO
 L0005644         0   0.57350E-06  466367.3 3777685.6   411.5     3.49     4.00     3.25
 YES                   NO
 L0005645         0   0.57350E-06  466362.7 3777678.4   411.8     3.49     4.00     3.25
 YES                   NO
 L0005646         0   0.57350E-06  466358.2 3777671.1   412.1     3.49     4.00     3.25
 YES                   NO
 L0005647         0   0.57350E-06  466353.6 3777663.8   412.2     3.49     4.00     3.25
 YES                   NO
 L0005648         0   0.57350E-06  466349.0 3777656.5   412.4     3.49     4.00     3.25
 YES                   NO
 L0005649         0   0.57350E-06  466344.5 3777649.3   412.5     3.49     4.00     3.25
 YES                   NO
 L0005650         0   0.57350E-06  466339.9 3777642.0   412.6     3.49     4.00     3.25
 YES                   NO
 L0005651         0   0.57350E-06  466335.3 3777634.7   412.8     3.49     4.00     3.25
 YES                   NO
 L0005652         0   0.57350E-06  466337.1 3777627.8   412.6     3.49     4.00     3.25
 YES                   NO
 L0005653         0   0.57350E-06  466342.5 3777621.2   412.2     3.49     4.00     3.25
 YES                   NO
 L0005654         0   0.57350E-06  466348.0 3777614.6   411.8     3.49     4.00     3.25
 YES                   NO
 L0005655         0   0.57350E-06  466353.5 3777608.0   411.7     3.49     4.00     3.25
 YES                   NO
 L0005656         0   0.57350E-06  466360.7 3777603.5   411.4     3.49     4.00     3.25
 YES                   NO
 L0005657         0   0.57350E-06  466368.3 3777599.6   411.0     3.49     4.00     3.25
 YES                   NO
 L0005658         0   0.57350E-06  466376.0 3777595.6   410.4     3.49     4.00     3.25
 YES                   NO
 L0005659         0   0.57350E-06  466381.0 3777601.3   410.1     3.49     4.00     3.25
 YES                   NO
 L0005660         0   0.57350E-06  466385.5 3777608.6   410.0     3.49     4.00     3.25
 YES                   NO
 L0005661         0   0.57350E-06  466390.0 3777615.9   410.0     3.49     4.00     3.25
 YES                   NO
FF *** AERMOD - VERSION 23132  ***   *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 ***        01/26/24
 *** AERMET - VERSION  16216 ***
 ***                                                                    ***        09:09:04

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 *** MODELOPTs:    RegDFAULT  CONC  ELEV  URBAN  ADJ_U*


                                                *** VOLUME SOURCE DATA ***

              NUMBER EMISSION RATE                    BASE    RELEASE    INIT.    INIT.
              URBAN  EMISSION RATE   AIRCRAFT
  SOURCE       PART.  (GRAMS/SEC)     X        Y      ELEV.   HEIGHT      SY       SZ
  SOURCE  SCALAR VARY
    ID         CATS.               (METERS) (METERS) (METERS) (METERS) (METERS)
    (METERS)             BY
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 L0005662         0   0.57350E-06  466394.6 3777623.2   409.7     3.49     4.00     3.25
 YES                   NO
 L0005663         0   0.57350E-06  466399.1 3777630.5   409.4     3.49     4.00     3.25
```

YES		NO						
L0005664	0	0.57350E-06	466403.6	3777637.8	409.1	3.49	4.00	3.25
YES		NO						
L0005665	0	0.57350E-06	466408.2	3777645.0	408.8	3.49	4.00	3.25
YES		NO						
L0005666	0	0.57350E-06	466412.7	3777652.3	408.5	3.49	4.00	3.25
YES		NO						
L0005667	0	0.57350E-06	466417.3	3777659.6	408.2	3.49	4.00	3.25
YES		NO						
L0005668	0	0.57350E-06	466421.8	3777666.9	408.0	3.49	4.00	3.25
YES		NO						
L0005669	0	0.57350E-06	466426.3	3777674.2	408.0	3.49	4.00	3.25
YES		NO						
L0005670	0	0.57350E-06	466430.9	3777681.5	408.0	3.49	4.00	3.25
YES		NO						
L0005671	0	0.57350E-06	466435.4	3777688.8	408.0	3.49	4.00	3.25
YES		NO						
L0005672	0	0.57350E-06	466441.2	3777690.7	408.0	3.49	4.00	3.25
YES		NO						
L0005673	0	0.57350E-06	466448.4	3777686.0	408.0	3.49	4.00	3.25
YES		NO						
L0005674	0	0.57350E-06	466455.6	3777681.3	407.8	3.49	4.00	3.25
YES		NO						
L0005675	0	0.57350E-06	466462.8	3777676.7	407.6	3.49	4.00	3.25
YES		NO						
L0005676	0	0.57350E-06	466470.0	3777672.0	407.3	3.49	4.00	3.25
YES		NO						
L0005677	0	0.57350E-06	466477.2	3777667.3	407.1	3.49	4.00	3.25
YES		NO						
L0005678	0	0.57350E-06	466484.4	3777662.7	407.0	3.49	4.00	3.25
YES		NO						
L0005679	0	0.57350E-06	466487.7	3777657.2	407.0	3.49	4.00	3.25
YES		NO						
L0005680	0	0.57350E-06	466482.9	3777650.1	407.0	3.49	4.00	3.25
YES		NO						
L0005681	0	0.57350E-06	466478.0	3777643.1	407.1	3.49	4.00	3.25
YES		NO						
L0005682	0	0.57350E-06	466473.2	3777636.0	407.2	3.49	4.00	3.25
YES		NO						
L0005683	0	0.57350E-06	466468.3	3777628.9	407.4	3.49	4.00	3.25
YES		NO						
L0005684	0	0.57350E-06	466463.5	3777621.8	407.6	3.49	4.00	3.25
YES		NO						
L0005685	0	0.57350E-06	466458.6	3777614.7	407.7	3.49	4.00	3.25
YES		NO						
L0005686	0	0.57350E-06	466455.8	3777608.0	407.8	3.49	4.00	3.25
YES		NO						
L0005687	0	0.57350E-06	466463.0	3777603.5	407.6	3.49	4.00	3.25
YES		NO						
L0005688	0	0.57350E-06	466470.3	3777598.9	407.3	3.49	4.00	3.25
YES		NO						
L0005689	0	0.57350E-06	466477.5	3777594.3	407.1	3.49	4.00	3.25
YES		NO						
L0005690	0	0.57350E-06	466484.8	3777589.7	406.8	3.49	4.00	3.25
YES		NO						
L0005691	0	0.57350E-06	466492.1	3777585.1	406.6	3.49	4.00	3.25
YES		NO						
L0005692	0	0.57350E-06	466499.3	3777580.5	406.4	3.49	4.00	3.25
YES		NO						
L0005693	0	0.57350E-06	466506.6	3777575.9	406.1	3.49	4.00	3.25
YES		NO						
L0005694	0	0.57350E-06	466513.9	3777571.3	406.0	3.49	4.00	3.25
YES		NO						
L0005695	0	0.57350E-06	466521.1	3777566.8	406.0	3.49	4.00	3.25
YES		NO						
L0005696	0	0.57350E-06	466528.4	3777562.2	406.0	3.49	4.00	3.25

YES NO
L0005697 0 0.57350E-06 466535.6 3777557.6 406.0 3.49 4.00 3.25
YES NO
L0005698 0 0.57350E-06 466542.9 3777553.0 405.9 3.49 4.00 3.25
YES NO
L0005699 0 0.57350E-06 466550.2 3777548.4 405.7 3.49 4.00 3.25
YES NO
L0005700 0 0.57350E-06 466557.4 3777543.8 405.4 3.49 4.00 3.25
YES NO
L0005701 0 0.57350E-06 466564.7 3777539.2 405.2 3.49 4.00 3.25
YES NO
FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper 210\14324 Ops\1432 *** 01/26/24
*** AERMET - VERSION 16216 ***
*** *** 09:09:04

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART. CATS.	EMISSION RATE (GRAMS/SEC)	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	EMISSION RATE SCALAR VARY BY
L0005702	0	0.57350E-06	466572.0	3777534.6	405.0	3.49	4.00	3.25	YES NO
L0005703	0	0.57350E-06	466579.2	3777530.0	405.0	3.49	4.00	3.25	YES NO
L0005704	0	0.57350E-06	466586.5	3777525.5	405.0	3.49	4.00	3.25	YES NO
L0005705	0	0.57350E-06	466593.7	3777520.9	405.0	3.49	4.00	3.25	YES NO
L0005706	0	0.57350E-06	466601.0	3777516.3	405.0	3.49	4.00	3.25	YES NO
L0005707	0	0.57350E-06	466608.3	3777511.7	404.7	3.49	4.00	3.25	YES NO
L0005708	0	0.57350E-06	466615.5	3777507.1	404.5	3.49	4.00	3.25	YES NO
L0005709	0	0.57350E-06	466622.8	3777502.5	404.2	3.49	4.00	3.25	YES NO
L0005710	0	0.57350E-06	466626.1	3777497.0	404.1	3.49	4.00	3.25	YES NO
L0005711	0	0.57350E-06	466621.7	3777489.7	404.3	3.49	4.00	3.25	YES NO
L0005712	0	0.57350E-06	466617.2	3777482.3	404.4	3.49	4.00	3.25	YES NO
L0005713	0	0.57350E-06	466612.5	3777475.9	404.6	3.49	4.00	3.25	YES NO
L0005714	0	0.57350E-06	466604.7	3777479.5	404.8	3.49	4.00	3.25	YES NO
L0005715	0	0.57350E-06	466596.9	3777483.2	405.0	3.49	4.00	3.25	YES NO
L0005716	0	0.57350E-06	466589.1	3777486.8	405.0	3.49	4.00	3.25	YES NO
L0005717	0	0.57350E-06	466581.4	3777490.5	405.0	3.49	4.00	3.25	YES NO
L0005718	0	0.57350E-06	466573.2	3777491.9	405.0	3.49	4.00	3.25	YES NO
L0005719	0	0.57350E-06	466564.6	3777491.3	405.2	3.49	4.00	3.25	

YES NO
L0005720 0 0.57350E-06 466556.1 3777490.6 405.5 3.49 4.00 3.25
YES NO
L0005721 0 0.57350E-06 466547.7 3777490.7 405.7 3.49 4.00 3.25
YES NO
L0005722 0 0.57350E-06 466540.4 3777495.3 406.0 3.49 4.00 3.25
YES NO
L0005723 0 0.57350E-06 466533.2 3777499.9 406.2 3.49 4.00 3.25
YES NO
L0005724 0 0.57350E-06 466525.9 3777504.5 406.3 3.49 4.00 3.25
YES NO
L0005725 0 0.57350E-06 466518.6 3777509.1 406.4 3.49 4.00 3.25
YES NO
L0005726 0 0.57350E-06 466511.4 3777513.7 406.4 3.49 4.00 3.25
YES NO
L0005727 0 0.57350E-06 466504.1 3777518.3 406.4 3.49 4.00 3.25
YES NO
L0005728 0 0.57350E-06 466496.9 3777522.9 406.5 3.49 4.00 3.25
YES NO
L0005729 0 0.57350E-06 466489.6 3777527.5 406.7 3.49 4.00 3.25
YES NO
L0005730 0 0.57350E-06 466482.4 3777532.1 406.9 3.49 4.00 3.25
YES NO
L0005731 0 0.57350E-06 466475.1 3777536.7 407.0 3.49 4.00 3.25
YES NO
L0005732 0 0.57350E-06 466467.9 3777541.3 407.0 3.49 4.00 3.25
YES NO
L0005733 0 0.57350E-06 466460.6 3777545.9 407.0 3.49 4.00 3.25
YES NO
L0005734 0 0.57350E-06 466453.4 3777550.5 407.0 3.49 4.00 3.25
YES NO
L0005735 0 0.57350E-06 466446.1 3777555.1 407.1 3.49 4.00 3.25
YES NO
L0005736 0 0.57350E-06 466438.8 3777559.7 407.4 3.49 4.00 3.25
YES NO
L0005737 0 0.57350E-06 466431.6 3777564.3 407.7 3.49 4.00 3.25
YES NO
L0005738 0 0.57350E-06 466424.3 3777568.9 407.9 3.49 4.00 3.25
YES NO
L0005739 0 0.57350E-06 466417.1 3777573.5 408.1 3.49 4.00 3.25
YES NO
L0005740 0 0.57350E-06 466409.8 3777578.1 408.3 3.49 4.00 3.25
YES NO
L0005741 0 0.57350E-06 466402.6 3777582.7 408.6 3.49 4.00 3.25
YES NO

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER URBAN SOURCE PART.	EMISSION RATE (GRAMS/SEC) SCALAR VARY BY	AIRCRAFT X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ
L0005742	0	0.57350E-06	466395.3	3777587.3	408.9	3.49	4.00	3.25

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
ALL	L0003953 , L0003954 , L0003955 , L0003956 , L0003957 , L0003958 , L0003959 , L0003960 ,
	L0003961 , L0003962 , L0003963 , L0003964 , L0003965 , L0003966 , L0003967 , L0003968 ,
	L0003969 , L0003970 , L0003971 , L0003972 , L0003973 , L0003974 , L0003975 , L0003976 ,
	L0003977 , L0003978 , L0003979 , L0003980 , L0003981 , L0003982 , L0003983 , L0003984 ,
	L0003985 , L0003986 , L0003987 , L0003988 , L0003989 , L0003990 , L0003991 , L0003992 ,
	L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 , L0003999 , L0004000 ,
	L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 , L0004007 , L0004008 ,
	L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 , L0004015 , L0004016 ,
	L0004017 , L0004018 , L0004019 , L0004020 , L0004021 , L0004022 , L0004023 , L0004024 ,
	L0004025 , L0004026 , L0004027 , L0004028 , L0004029 , L0004030 , L0004031 , L0004032 ,
	L0004033 , L0004034 , L0004035 , L0004036 , L0004037 , L0004038 , L0004039 , L0004040 ,
	L0004041 , L0004042 , L0004043 , L0004044 , L0004045 , L0004046 , L0004047 , L0004048 ,
	L0004049 , L0004050 , L0004051 , L0004052 , L0004053 , L0004054 , L0004055 , L0004056 ,
	L0004057 , L0004058 , L0004059 , L0004060 , L0004061 , L0004062 , L0004063 , L0004064 ,
	L0004065 , L0004066 , L0004067 , L0004068 , L0004069 , L0004070 , L0004071 , L0004072 ,
	L0004073 , L0004074 , L0004075 , L0004076 , L0004077 , L0004078 , L0004079 , L0004080 ,

L0004081 , L0004082 , L0004083 , L0004084 , L0004085 , L0004086 ,
L0004087 , L0004088 ,

L0004089 , L0004090 , L0004091 , L0004092 , L0004093 , L0004094 ,
L0004095 , L0004096 ,

L0004097 , L0004098 , L0004099 , L0004100 , L0004101 , L0004102 ,
L0004103 , L0004104 ,

L0004105 , L0004106 , L0004107 , L0004108 , L0004109 , L0004110 ,
L0004111 , L0004112 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

L0004113 , L0004114 , L0004115 , L0004116 , L0004117 , L0004118 ,
L0004119 , L0004120 ,

L0004121 , L0004122 , L0004123 , L0004124 , L0004125 , L0004126 ,
L0004127 , L0004128 ,

L0004129 , L0004130 , L0004131 , L0004132 , L0004133 , L0004134 ,
L0004135 , L0004136 ,

L0004137 , L0004138 , L0004139 , L0004140 , L0004141 , L0004142 ,
L0004143 , L0004144 ,

L0004145 , L0004146 , L0004147 , L0004148 , L0004149 , L0004150 ,
L0004151 , L0004152 ,

L0004153 , L0004154 , L0004155 , L0004156 , L0004157 , L0004158 ,
L0004159 , L0004160 ,

L0004161 , L0004162 , L0004163 , L0004164 , L0004165 , L0004166 ,
L0004167 , L0004168 ,

L0004169 , L0004170 , L0004171 , L0004172 , L0004173 , L0004174 ,
L0004175 , L0004176 ,

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L0004191 , L0004192 ,

L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 ,
L0004199 , L0004200 ,

L0004201 , L0004202 , L0004203 , L0004204 , L0004205 , L0004206 ,
L0004207 , L0004208 ,

L0004209 , L0004210 , L0004211 , L0004212 , L0004213 , L0004214 ,
L0004215 , L0004216 ,

L0004217 , L0004218 , L0004219 , L0004220 , L0004221 , L0004222 ,

L0004223 , L0004224 ,

L0004225 , L0004226 , L0004227 , L0004228 , L0004229 , L0004230 ,
L0004231 , L0004232 ,

L0004233 , L0004234 , L0004235 , L0004236 , L0004237 , L0004238 ,
L0004239 , L0004240 ,

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L0004247 , L0004248 ,

L0004249 , L0004250 , L0004251 , L0004252 , L0004253 , L0004254 ,
L0004255 , L0004256 ,

L0004257 , L0004258 , L0004259 , L0004260 , L0004261 , L0004262 ,
L0004263 , L0004264 ,

L0004265 , L0004266 , L0004267 , L0004268 , L0004269 , L0004270 ,
L0004271 , L0004272 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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L0004279 , L0004280 ,

L0004281 , L0004282 , L0004283 , L0004284 , L0004285 , L0004286 ,
L0004287 , L0004288 ,

L0004289 , L0004290 , L0004291 , L0004292 , L0004293 , L0004294 ,
L0004295 , L0004296 ,

L0004297 , L0004298 , L0004299 , L0004300 , L0004301 , L0004302 ,
L0004303 , L0004304 ,

L0004305 , L0004306 , L0004307 , L0004308 , L0004309 , L0004310 ,
L0004311 , L0004312 ,

L0004313 , L0004314 , L0004315 , L0004316 , L0004317 , L0004318 ,
L0004319 , L0004320 ,

L0004321 , L0004322 , L0004323 , L0004324 , L0004325 , L0004326 ,
L0004327 , L0004328 ,

L0004329 , L0004330 , L0004331 , L0004332 , L0004333 , L0004334 ,
L0004335 , L0004336 ,

L0004337 , L0004338 , L0004339 , L0004340 , L0004341 , L0004342 ,
L0004343 , L0004344 ,

L0004345 , L0004346 , L0004347 , L0004348 , L0004349 , L0004350 ,
L0004351 , L0004352 ,

L0004353 , L0004354 , L0004355 , L0004356 , L0004357 , L0004358 ,
L0004359 , L0004360 ,

L0004361 , L0004362 , L0004363 , L0004364 , L0004365 , L0004366 ,
L0004367 , L0004368 ,

L0004369 , L0004370 , L0004371 , L0004372 , L0004373 , L0004374 ,
L0004375 , L0004376 ,

L0004377 , L0004378 , L0004379 , L0004380 , L0004381 , L0004382 ,
L0004383 , L0004384 ,

L0004385 , L0004386 , L0004387 , L0004388 , L0004389 , L0004390 ,
L0004391 , L0004392 ,

L0004393 , L0004394 , L0004395 , L0004396 , L0004397 , L0004398 ,
L0004399 , L0004400 ,

L0004401 , L0004402 , L0004403 , L0004404 , L0004405 , L0004406 ,
L0004407 , L0004408 ,

L0004409 , L0004410 , L0004411 , L0004412 , L0004413 , L0004414 ,
L0004415 , L0004416 ,

L0004417 , L0004418 , L0004419 , L0004420 , L0004421 , L0004422 ,
L0004423 , L0004424 ,

L0004425 , L0004426 , L0004427 , L0004428 , L0004429 , L0004430 ,
L0004431 , L0004432 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

L0004433 , L0004434 , L0004435 , L0004436 , L0004437 , L0004438 ,
L0004439 , L0004440 ,

L0004441 , L0004442 , L0004443 , L0004444 , L0004445 , L0004446 ,
L0004447 , L0004448 ,

L0004449 , L0004450 , L0004451 , L0004452 , L0004453 , L0004454 ,
L0004455 , L0004456 ,

L0004457 , L0004458 , L0004459 , L0004460 , L0004461 , L0004462 ,
L0004463 , L0004464 ,

L0004465 , L0004466 , L0004467 , L0004468 , L0004469 , L0004470 ,
L0004471 , L0004472 ,

L0004473 , L0004474 , L0004475 , L0004476 , L0004477 , L0004478 ,
L0004479 , L0004480 ,

L0004481 , L0004482 , L0004483 , L0004484 , L0004485 , L0004486 ,
L0004487 , L0004488 ,

L0004489 , L0004490 , L0004491 , L0004492 , L0004493 , L0004494 ,
L0004495 , L0004496 ,

L0004497 , L0004498 , L0004499 , L0004500 , L0004501 , L0004502 ,
L0004503 , L0004504 ,

L0004505 , L0004506 , L0004507 , L0004508 , L0004509 , L0004510 ,
L0004511 , L0004512 ,

L0004513 , L0004514 , L0004515 , L0004516 , L0004517 , L0004518 ,
L0004519 , L0004520 ,

L0004521 , L0004522 , L0004523 , L0004524 , L0004525 , L0004526 ,
L0004527 , L0004528 ,

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L0004535 , L0004536 ,

L0004537 , L0004538 , L0004539 , L0004540 , L0004541 , L0004542 ,
STCK1 , L0005132 ,

L0005133 , L0005134 , L0005135 , L0005136 , L0005137 , L0005138 ,
L0005139 , L0005140 ,

L0005141 , L0005142 , L0005143 , L0005144 , L0005145 , L0005146 ,
L0005147 , L0005148 ,

L0005149 , L0005150 , L0005151 , L0005152 , L0005153 , L0005154 ,
L0005155 , L0005156 ,

L0005157 , L0005158 , L0005159 , L0005160 , L0005161 , L0005162 ,
L0005163 , L0005164 ,

L0005165 , L0005166 , L0005167 , L0005168 , L0005169 , L0005170 ,
L0005171 , L0005172 ,

L0005173 , L0005174 , L0005175 , L0005176 , L0005177 , L0005178 ,
L0005179 , L0005180 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
	L0005181 , L0005182 , L0005183 , L0005184 , L0005185 , L0005186 , L0005187 , L0005188 ,
	L0005189 , L0005190 , L0005191 , L0005192 , L0005193 , L0005194 , L0005195 , L0005196 ,
	L0005197 , L0005198 , L0005199 , L0005200 , L0005201 , L0005202 , L0005203 , L0005204 ,
	L0005205 , L0005206 , L0005207 , L0005208 , L0005209 , L0005210 , L0005211 , L0005212 ,
	L0005213 , L0005214 , L0005215 , L0005216 , L0005217 , L0005218 , L0005219 , L0005220 ,
	L0005221 , L0005222 , L0005223 , L0005224 , L0005225 , L0005226 ,

L0005227 , L0005228 ,

L0005229 , L0005230 , L0005231 , L0005232 , L0005233 , L0005234 ,
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L0005237 , L0005238 , L0005239 , L0005240 , L0005241 , L0005242 ,
L0005243 , L0005244 ,

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L0005251 , L0005252 ,

L0005253 , L0005254 , L0005255 , L0005256 , L0005257 , L0005258 ,
L0005259 , L0005260 ,

L0005261 , L0005262 , L0005263 , L0005264 , L0005265 , L0005266 ,
L0005267 , L0005268 ,

L0005269 , L0005270 , L0005271 , L0005272 , L0005273 , L0005274 ,
L0005275 , L0005276 ,

L0005277 , L0005278 , L0005279 , L0005280 , L0005281 , L0005282 ,
L0005283 , L0005284 ,

L0005285 , L0005286 , L0005287 , L0005288 , L0005289 , L0005290 ,
L0005291 , L0005292 ,

L0005293 , L0005294 , L0005295 , L0005296 , L0005297 , L0005298 ,
L0005299 , L0005300 ,

L0005301 , L0005302 , L0005303 , L0005304 , L0005305 , L0005306 ,
L0005307 , L0005308 ,

L0005309 , L0005310 , L0005311 , L0005312 , L0005313 , L0005314 ,
L0005315 , L0005316 ,

L0005317 , L0005318 , L0005319 , L0005320 , L0005321 , L0005322 ,
L0005323 , L0005324 ,

L0005325 , L0005326 , L0005327 , L0005328 , L0005329 , L0005330 ,
L0005331 , L0005332 ,

L0005333 , L0005334 , L0005335 , L0005336 , L0005337 , L0005338 ,
L0005339 , L0005340 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs
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	L0005349 , L0005350 , L0005351 , L0005352 , L0005353 , L0005354 , L0005355 , L0005356 ,
	L0005357 , L0005358 , L0005359 , L0005360 , L0005361 , L0005362 , L0005363 , L0005364 ,

L0005365 , L0005366 , L0005367 , L0005368 , L0005369 , L0005370 ,
L0005371 , L0005372 ,

L0005373 , L0005374 , L0005375 , L0005376 , L0005377 , L0005378 ,
L0005379 , L0005380 ,

L0005381 , L0005382 , L0005383 , L0005384 , L0005385 , L0005386 ,
L0005387 , L0005388 ,

L0005389 , L0005390 , L0005391 , L0005392 , L0005393 , L0005394 ,
L0005395 , L0005396 ,

L0005397 , L0005398 , L0005399 , L0005400 , L0005401 , L0005402 ,
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L0005419 , L0005420 ,

L0005421 , L0005422 , L0005423 , L0005424 , L0005425 , L0005426 ,
L0005427 , L0005428 ,

L0005429 , L0005430 , L0005431 , L0005432 , L0005433 , L0005434 ,
L0005435 , L0005436 ,

L0005437 , L0005438 , L0005439 , L0005440 , L0005441 , L0005442 ,
L0005443 , L0005444 ,

L0005445 , L0005446 , L0005447 , L0005448 , L0005449 , L0005450 ,
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L0005459 , L0005460 ,

L0005461 , L0005462 , L0005463 , L0005464 , L0005465 , L0005466 ,
L0005467 , L0005468 ,

L0005469 , L0005470 , L0005471 , L0005472 , L0005473 , L0005474 ,
L0005475 , L0005476 ,

L0005477 , L0005478 , L0005479 , L0005480 , L0005481 , L0005482 ,
L0005483 , L0005484 ,

L0005485 , L0005486 , L0005487 , L0005488 , L0005489 , L0005490 ,
L0005491 , L0005492 ,

L0005493 , L0005494 , L0005495 , L0005496 , L0005497 , L0005498 ,
L0005499 , L0005500 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID	SOURCE IDs

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L0005507 , L0005508 ,

L0005509 , L0005510 , L0005511 , L0005512 , L0005513 , L0005514 ,
L0005515 , L0005516 ,

L0005517 , L0005518 , L0005519 , L0005520 , L0005521 , L0005522 ,
L0005523 , L0005524 ,

L0005525 , L0005526 , L0005527 , L0005528 , L0005529 , L0005530 ,
L0005531 , L0005532 ,

L0005533 , L0005534 , L0005535 , L0005536 , L0005537 , L0005538 ,
L0005539 , L0005540 ,

L0005541 , L0005542 , L0005543 , L0005544 , L0005545 , L0005546 ,
L0005547 , L0005548 ,

L0005549 , L0005550 , L0005551 , L0005552 , L0005553 , L0005554 ,
L0005555 , L0005556 ,

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L0005563 , L0005564 ,

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L0005571 , L0005572 ,

L0005573 , L0005574 , L0005575 , L0005576 , L0005577 , L0005578 ,
L0005579 , L0005580 ,

L0005581 , L0005582 , L0005583 , L0005584 , L0005585 , L0005586 ,
L0005587 , L0005588 ,

L0005589 , L0005590 , L0005591 , L0005592 , L0005593 , L0005594 ,
L0005595 , L0005596 ,

L0005597 , L0005598 , L0005599 , L0005600 , L0005601 , L0005602 ,
L0005603 , L0005604 ,

L0005605 , L0005606 , L0005607 , L0005608 , L0005609 , L0005610 ,
L0005611 , L0005612 ,

L0005613 , L0005614 , L0005615 , L0005616 , L0005617 , L0005618 ,
L0005619 , L0005620 ,

L0005621 , L0005622 , L0005623 , L0005624 , L0005625 , L0005626 ,
L0005627 , L0005628 ,

L0005629 , L0005630 , L0005631 , L0005632 , L0005633 , L0005634 ,
L0005635 , L0005636 ,

L0005637 , L0005638 , L0005639 , L0005640 , L0005641 , L0005642 ,
L0005643 , L0005644 ,

L0005645 , L0005646 , L0005647 , L0005648 , L0005649 , L0005650 ,
L0005651 , L0005652 ,

L0005653 , L0005654 , L0005655 , L0005656 , L0005657 , L0005658 ,
L0005659 , L0005660 ,

*** SOURCE IDs DEFINING SOURCE GROUPS ***

SRCGROUP ID — SOURCE IDs

L0005661 , L0005662 , L0005663 , L0005664 , L0005665 , L0005666 , L0005667 , L0005668 ,

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L0005677 , L0005678 , L0005679 , L0005680 , L0005681 , L0005682 , L0005683 , L0005684 ,

L0005685 , L0005686 , L0005687 , L0005688 , L0005689 , L0005690 , L0005691 , L0005692 ,

L0005693 , L0005694 , L0005695 , L0005696 , L0005697 , L0005698 , L0005699 , L0005700 ,

L0005701 , L0005702 , L0005703 , L0005704 , L0005705 , L0005706 , L0005707 , L0005708 ,

L0005709 , L0005710 , L0005711 , L0005712 , L0005713 , L0005714 , L0005715 , L0005716 ,

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L0005733 , L0005734 , L0005735 , L0005736 , L0005737 , L0005738 , L0005739 , L0005740 ,

L0005741 , L0005742 , L0005743 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID — URBAN POP — SOURCE IDs

2035210. L0003953 , L0003954 , L0003955 , L0003956 , L0003957 , L0003958 , L0003959 , L0003960 ,

L0003961 , L0003962 , L0003963 , L0003964 , L0003965 , L0003966 , L0003967 , L0003968 ,

L0003969 , L0003970 , L0003971 , L0003972 , L0003973 , L0003974 , L0003975 , L0003976 ,

L0003977 , L0003978 , L0003979 , L0003980 , L0003981 , L0003982 , L0003983 , L0003984 ,

L0003985 , L0003986 , L0003987 , L0003988 , L0003989 , L0003990 ,
L0003991 , L0003992 ,

L0003993 , L0003994 , L0003995 , L0003996 , L0003997 , L0003998 ,
L0003999 , L0004000 ,

L0004001 , L0004002 , L0004003 , L0004004 , L0004005 , L0004006 ,
L0004007 , L0004008 ,

L0004009 , L0004010 , L0004011 , L0004012 , L0004013 , L0004014 ,
L0004015 , L0004016 ,

L0004017 , L0004018 , L0004019 , L0004020 , L0004021 , L0004022 ,
L0004023 , L0004024 ,

L0004025 , L0004026 , L0004027 , L0004028 , L0004029 , L0004030 ,
L0004031 , L0004032 ,

L0004033 , L0004034 , L0004035 , L0004036 , L0004037 , L0004038 ,
L0004039 , L0004040 ,

L0004041 , L0004042 , L0004043 , L0004044 , L0004045 , L0004046 ,
L0004047 , L0004048 ,

L0004049 , L0004050 , L0004051 , L0004052 , L0004053 , L0004054 ,
L0004055 , L0004056 ,

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L0004071 , L0004072 ,

L0004073 , L0004074 , L0004075 , L0004076 , L0004077 , L0004078 ,
L0004079 , L0004080 ,

L0004081 , L0004082 , L0004083 , L0004084 , L0004085 , L0004086 ,
L0004087 , L0004088 ,

L0004089 , L0004090 , L0004091 , L0004092 , L0004093 , L0004094 ,
L0004095 , L0004096 ,

L0004097 , L0004098 , L0004099 , L0004100 , L0004101 , L0004102 ,
L0004103 , L0004104 ,

L0004105 , L0004106 , L0004107 , L0004108 , L0004109 , L0004110 ,
L0004111 , L0004112 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0004113 , L0004114 , L0004115 , L0004116 , L0004117 , L0004118 ,
L0004119 , L0004120 ,

L0004121 , L0004122 , L0004123 , L0004124 , L0004125 , L0004126 ,
L0004127 , L0004128 ,

L0004129 , L0004130 , L0004131 , L0004132 , L0004133 , L0004134 ,
L0004135 , L0004136 ,

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L0004143 , L0004144 ,

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L0004151 , L0004152 ,

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L0004159 , L0004160 ,

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L0004167 , L0004168 ,

L0004169 , L0004170 , L0004171 , L0004172 , L0004173 , L0004174 ,
L0004175 , L0004176 ,

L0004177 , L0004178 , L0004179 , L0004180 , L0004181 , L0004182 ,
L0004183 , L0004184 ,

L0004185 , L0004186 , L0004187 , L0004188 , L0004189 , L0004190 ,
L0004191 , L0004192 ,

L0004193 , L0004194 , L0004195 , L0004196 , L0004197 , L0004198 ,
L0004199 , L0004200 ,

L0004201 , L0004202 , L0004203 , L0004204 , L0004205 , L0004206 ,
L0004207 , L0004208 ,

L0004209 , L0004210 , L0004211 , L0004212 , L0004213 , L0004214 ,
L0004215 , L0004216 ,

L0004217 , L0004218 , L0004219 , L0004220 , L0004221 , L0004222 ,
L0004223 , L0004224 ,

L0004225 , L0004226 , L0004227 , L0004228 , L0004229 , L0004230 ,
L0004231 , L0004232 ,

L0004233 , L0004234 , L0004235 , L0004236 , L0004237 , L0004238 ,
L0004239 , L0004240 ,

L0004241 , L0004242 , L0004243 , L0004244 , L0004245 , L0004246 ,
L0004247 , L0004248 ,

L0004249 , L0004250 , L0004251 , L0004252 , L0004253 , L0004254 ,
L0004255 , L0004256 ,

L0004257 , L0004258 , L0004259 , L0004260 , L0004261 , L0004262 ,
L0004263 , L0004264 ,

L0004265 , L0004266 , L0004267 , L0004268 , L0004269 , L0004270 ,
L0004271 , L0004272 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0004273 , L0004274 , L0004275 , L0004276 , L0004277 , L0004278 ,
L0004279 , L0004280 ,

L0004281 , L0004282 , L0004283 , L0004284 , L0004285 , L0004286 ,
L0004287 , L0004288 ,

L0004289 , L0004290 , L0004291 , L0004292 , L0004293 , L0004294 ,
L0004295 , L0004296 ,

L0004297 , L0004298 , L0004299 , L0004300 , L0004301 , L0004302 ,
L0004303 , L0004304 ,

L0004305 , L0004306 , L0004307 , L0004308 , L0004309 , L0004310 ,
L0004311 , L0004312 ,

L0004313 , L0004314 , L0004315 , L0004316 , L0004317 , L0004318 ,
L0004319 , L0004320 ,

L0004321 , L0004322 , L0004323 , L0004324 , L0004325 , L0004326 ,
L0004327 , L0004328 ,

L0004329 , L0004330 , L0004331 , L0004332 , L0004333 , L0004334 ,
L0004335 , L0004336 ,

L0004337 , L0004338 , L0004339 , L0004340 , L0004341 , L0004342 ,
L0004343 , L0004344 ,

L0004345 , L0004346 , L0004347 , L0004348 , L0004349 , L0004350 ,
L0004351 , L0004352 ,

L0004353 , L0004354 , L0004355 , L0004356 , L0004357 , L0004358 ,
L0004359 , L0004360 ,

L0004361 , L0004362 , L0004363 , L0004364 , L0004365 , L0004366 ,
L0004367 , L0004368 ,

L0004369 , L0004370 , L0004371 , L0004372 , L0004373 , L0004374 ,
L0004375 , L0004376 ,

L0004377 , L0004378 , L0004379 , L0004380 , L0004381 , L0004382 ,
L0004383 , L0004384 ,

L0004385 , L0004386 , L0004387 , L0004388 , L0004389 , L0004390 ,
L0004391 , L0004392 ,

L0004393 , L0004394 , L0004395 , L0004396 , L0004397 , L0004398 ,
L0004399 , L0004400 ,

L0004401 , L0004402 , L0004403 , L0004404 , L0004405 , L0004406 ,
L0004407 , L0004408 ,

L0004409 , L0004410 , L0004411 , L0004412 , L0004413 , L0004414 ,
L0004415 , L0004416 ,

L0004417 , L0004418 , L0004419 , L0004420 , L0004421 , L0004422 ,
L0004423 , L0004424 ,

L0004425 , L0004426 , L0004427 , L0004428 , L0004429 , L0004430 ,
L0004431 , L0004432 ,

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

URBAN ID	URBAN POP	SOURCE IDs
		L0004433 , L0004434 , L0004435 , L0004436 , L0004437 , L0004438 , L0004439 , L0004440 ,
		L0004441 , L0004442 , L0004443 , L0004444 , L0004445 , L0004446 , L0004447 , L0004448 ,
		L0004449 , L0004450 , L0004451 , L0004452 , L0004453 , L0004454 , L0004455 , L0004456 ,
		L0004457 , L0004458 , L0004459 , L0004460 , L0004461 , L0004462 , L0004463 , L0004464 ,
		L0004465 , L0004466 , L0004467 , L0004468 , L0004469 , L0004470 , L0004471 , L0004472 ,
		L0004473 , L0004474 , L0004475 , L0004476 , L0004477 , L0004478 , L0004479 , L0004480 ,
		L0004481 , L0004482 , L0004483 , L0004484 , L0004485 , L0004486 , L0004487 , L0004488 ,
		L0004489 , L0004490 , L0004491 , L0004492 , L0004493 , L0004494 , L0004495 , L0004496 ,
		L0004497 , L0004498 , L0004499 , L0004500 , L0004501 , L0004502 , L0004503 , L0004504 ,
		L0004505 , L0004506 , L0004507 , L0004508 , L0004509 , L0004510 , L0004511 , L0004512 ,
		L0004513 , L0004514 , L0004515 , L0004516 , L0004517 , L0004518 , L0004519 , L0004520 ,
		L0004521 , L0004522 , L0004523 , L0004524 , L0004525 , L0004526 , L0004527 , L0004528 ,
		L0004529 , L0004530 , L0004531 , L0004532 , L0004533 , L0004534 , L0004535 , L0004536 ,
		L0004537 , L0004538 , L0004539 , L0004540 , L0004541 , L0004542 , STCK1 , L0005132 ,
		L0005133 , L0005134 , L0005135 , L0005136 , L0005137 , L0005138 , L0005139 , L0005140 ,
		L0005141 , L0005142 , L0005143 , L0005144 , L0005145 , L0005146 , L0005147 , L0005148 ,
		L0005149 , L0005150 , L0005151 , L0005152 , L0005153 , L0005154 , L0005155 , L0005156 ,
		L0005157 , L0005158 , L0005159 , L0005160 , L0005161 , L0005162 , L0005163 , L0005164 ,

L0005165 , L0005166 , L0005167 , L0005168 , L0005169 , L0005170 ,
L0005171 , L0005172 ,

L0005173 , L0005174 , L0005175 , L0005176 , L0005177 , L0005178 ,
L0005179 , L0005180 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0005181 , L0005182 , L0005183 , L0005184 , L0005185 , L0005186 ,
L0005187 , L0005188 ,

L0005189 , L0005190 , L0005191 , L0005192 , L0005193 , L0005194 ,
L0005195 , L0005196 ,

L0005197 , L0005198 , L0005199 , L0005200 , L0005201 , L0005202 ,
L0005203 , L0005204 ,

L0005205 , L0005206 , L0005207 , L0005208 , L0005209 , L0005210 ,
L0005211 , L0005212 ,

L0005213 , L0005214 , L0005215 , L0005216 , L0005217 , L0005218 ,
L0005219 , L0005220 ,

L0005221 , L0005222 , L0005223 , L0005224 , L0005225 , L0005226 ,
L0005227 , L0005228 ,

L0005229 , L0005230 , L0005231 , L0005232 , L0005233 , L0005234 ,
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L0005243 , L0005244 ,

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L0005251 , L0005252 ,

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L0005259 , L0005260 ,

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L0005267 , L0005268 ,

L0005269 , L0005270 , L0005271 , L0005272 , L0005273 , L0005274 ,
L0005275 , L0005276 ,

L0005277 , L0005278 , L0005279 , L0005280 , L0005281 , L0005282 ,
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L0005285 , L0005286 , L0005287 , L0005288 , L0005289 , L0005290 ,
L0005291 , L0005292 ,

L0005293 , L0005294 , L0005295 , L0005296 , L0005297 , L0005298 ,
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L0005301 , L0005302 , L0005303 , L0005304 , L0005305 , L0005306 ,
L0005307 , L0005308 ,

L0005309 , L0005310 , L0005311 , L0005312 , L0005313 , L0005314 ,
L0005315 , L0005316 ,

L0005317 , L0005318 , L0005319 , L0005320 , L0005321 , L0005322 ,
L0005323 , L0005324 ,

L0005325 , L0005326 , L0005327 , L0005328 , L0005329 , L0005330 ,
L0005331 , L0005332 ,

L0005333 , L0005334 , L0005335 , L0005336 , L0005337 , L0005338 ,
L0005339 , L0005340 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0005341 , L0005342 , L0005343 , L0005344 , L0005345 , L0005346 ,
L0005347 , L0005348 ,

L0005349 , L0005350 , L0005351 , L0005352 , L0005353 , L0005354 ,
L0005355 , L0005356 ,

L0005357 , L0005358 , L0005359 , L0005360 , L0005361 , L0005362 ,
L0005363 , L0005364 ,

L0005365 , L0005366 , L0005367 , L0005368 , L0005369 , L0005370 ,
L0005371 , L0005372 ,

L0005373 , L0005374 , L0005375 , L0005376 , L0005377 , L0005378 ,
L0005379 , L0005380 ,

L0005381 , L0005382 , L0005383 , L0005384 , L0005385 , L0005386 ,
L0005387 , L0005388 ,

L0005389 , L0005390 , L0005391 , L0005392 , L0005393 , L0005394 ,
L0005395 , L0005396 ,

L0005397 , L0005398 , L0005399 , L0005400 , L0005401 , L0005402 ,
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L0005419 , L0005420 ,

L0005421 , L0005422 , L0005423 , L0005424 , L0005425 , L0005426 ,
L0005427 , L0005428 ,

L0005429 , L0005430 , L0005431 , L0005432 , L0005433 , L0005434 ,
L0005435 , L0005436 ,

L0005437 , L0005438 , L0005439 , L0005440 , L0005441 , L0005442 ,

L0005443 , L0005444 ,

L0005445 , L0005446 , L0005447 , L0005448 , L0005449 , L0005450 ,
L0005451 , L0005452 ,

L0005453 , L0005454 , L0005455 , L0005456 , L0005457 , L0005458 ,
L0005459 , L0005460 ,

L0005461 , L0005462 , L0005463 , L0005464 , L0005465 , L0005466 ,
L0005467 , L0005468 ,

L0005469 , L0005470 , L0005471 , L0005472 , L0005473 , L0005474 ,
L0005475 , L0005476 ,

L0005477 , L0005478 , L0005479 , L0005480 , L0005481 , L0005482 ,
L0005483 , L0005484 ,

L0005485 , L0005486 , L0005487 , L0005488 , L0005489 , L0005490 ,
L0005491 , L0005492 ,

L0005493 , L0005494 , L0005495 , L0005496 , L0005497 , L0005498 ,
L0005499 , L0005500 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0005501 , L0005502 , L0005503 , L0005504 , L0005505 , L0005506 ,
L0005507 , L0005508 ,

L0005509 , L0005510 , L0005511 , L0005512 , L0005513 , L0005514 ,
L0005515 , L0005516 ,

L0005517 , L0005518 , L0005519 , L0005520 , L0005521 , L0005522 ,
L0005523 , L0005524 ,

L0005525 , L0005526 , L0005527 , L0005528 , L0005529 , L0005530 ,
L0005531 , L0005532 ,

L0005533 , L0005534 , L0005535 , L0005536 , L0005537 , L0005538 ,
L0005539 , L0005540 ,

L0005541 , L0005542 , L0005543 , L0005544 , L0005545 , L0005546 ,
L0005547 , L0005548 ,

L0005549 , L0005550 , L0005551 , L0005552 , L0005553 , L0005554 ,
L0005555 , L0005556 ,

L0005557 , L0005558 , L0005559 , L0005560 , L0005561 , L0005562 ,
L0005563 , L0005564 ,

L0005565 , L0005566 , L0005567 , L0005568 , L0005569 , L0005570 ,
L0005571 , L0005572 ,

L0005573 , L0005574 , L0005575 , L0005576 , L0005577 , L0005578 ,
L0005579 , L0005580 ,

L0005581 , L0005582 , L0005583 , L0005584 , L0005585 , L0005586 ,
L0005587 , L0005588 ,

L0005589 , L0005590 , L0005591 , L0005592 , L0005593 , L0005594 ,
L0005595 , L0005596 ,

L0005597 , L0005598 , L0005599 , L0005600 , L0005601 , L0005602 ,
L0005603 , L0005604 ,

L0005605 , L0005606 , L0005607 , L0005608 , L0005609 , L0005610 ,
L0005611 , L0005612 ,

L0005613 , L0005614 , L0005615 , L0005616 , L0005617 , L0005618 ,
L0005619 , L0005620 ,

L0005621 , L0005622 , L0005623 , L0005624 , L0005625 , L0005626 ,
L0005627 , L0005628 ,

L0005629 , L0005630 , L0005631 , L0005632 , L0005633 , L0005634 ,
L0005635 , L0005636 ,

L0005637 , L0005638 , L0005639 , L0005640 , L0005641 , L0005642 ,
L0005643 , L0005644 ,

L0005645 , L0005646 , L0005647 , L0005648 , L0005649 , L0005650 ,
L0005651 , L0005652 ,

L0005653 , L0005654 , L0005655 , L0005656 , L0005657 , L0005658 ,
L0005659 , L0005660 ,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

URBAN ID	URBAN POP	SOURCE IDs

L0005661 , L0005662 , L0005663 , L0005664 , L0005665 , L0005666 ,
L0005667 , L0005668 ,

L0005669 , L0005670 , L0005671 , L0005672 , L0005673 , L0005674 ,
L0005675 , L0005676 ,

L0005677 , L0005678 , L0005679 , L0005680 , L0005681 , L0005682 ,
L0005683 , L0005684 ,

L0005685 , L0005686 , L0005687 , L0005688 , L0005689 , L0005690 ,
L0005691 , L0005692 ,

L0005693 , L0005694 , L0005695 , L0005696 , L0005697 , L0005698 ,
L0005699 , L0005700 ,

L0005701 , L0005702 , L0005703 , L0005704 , L0005705 , L0005706 ,
L0005707 , L0005708 ,

L0005709 , L0005710 , L0005711 , L0005712 , L0005713 , L0005714 ,
L0005715 , L0005716 ,

L0005717 , L0005718 , L0005719 , L0005720 , L0005721 , L0005722 ,
L0005723 , L0005724 ,

L0005725 , L0005726 , L0005727 , L0005728 , L0005729 , L0005730 ,
L0005731 , L0005732 ,

L0005733 , L0005734 , L0005735 , L0005736 , L0005737 , L0005738 ,
L0005739 , L0005740 ,

L0005741 , L0005742 , L0005743 ,

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE ID: STCK1

IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	16.8,	667.1,	396.4,	-90.6,	311.8,	2	16.8,	681.0,	302.7,	-105.1,	327.4,
3	16.8,	674.1,	199.8,	-116.5,	333.1,	4	16.8,	683.8,	251.8,	-198.1,	327.8,
5	16.8,	680.0,	348.8,	-298.1,	313.8,	6	16.8,	656.0,	436.5,	-388.9,	289.9,
7	16.8,	616.8,	510.9,	-468.0,	254.9,	8	16.8,	558.8,	579.7,	-542.8,	212.2,
9	16.8,	483.8,	633.0,	-603.3,	162.9,	10	16.8,	396.4,	667.1,	-645.4,	107.7,
11	16.8,	302.7,	681.0,	-667.9,	46.2,	12	16.8,	199.8,	674.1,	-670.1,	-16.6,
13	16.8,	251.8,	683.8,	-669.8,	-72.2,	14	16.8,	348.8,	680.0,	-653.8,	-123.6,
15	16.8,	436.5,	656.0,	-617.9,	-170.7,	16	16.8,	510.9,	616.8,	-563.3,	-212.6,
17	16.8,	579.7,	558.8,	-491.5,	-253.0,	18	16.8,	633.0,	483.8,	-404.9,	-286.8,
19	16.8,	667.1,	396.4,	-305.9,	-311.8,	20	16.8,	681.0,	302.7,	-197.6,	-327.4,
21	16.8,	674.1,	199.8,	-83.3,	-333.1,	22	16.8,	683.8,	251.8,	-53.6,	-327.8,
23	16.8,	680.0,	348.8,	-50.8,	-313.8,	24	16.8,	656.0,	436.5,	-47.5,	-289.9,
25	16.8,	616.8,	510.9,	-42.8,	-254.9,	26	16.8,	558.8,	579.7,	-36.9,	-212.2,
27	16.8,	483.8,	633.0,	-29.8,	-162.9,	28	16.8,	396.4,	667.1,	-21.8,	-107.7,
29	16.8,	302.7,	681.0,	-13.1,	-46.2,	30	16.8,	199.8,	674.1,	-4.0,	16.6,
31	16.8,	251.8,	683.8,	-14.1,	72.2,	32	16.8,	348.8,	680.0,	-26.2,	123.6,
33	16.8,	436.5,	656.0,	-38.1,	170.7,	34	16.8,	510.9,	616.8,	-53.5,	212.6,
35	16.8,	579.7,	558.8,	-67.2,	253.0,	36	16.8,	633.0,	483.8,	-79.0,	286.8,

* SOURCE EMISSION RATE SCALARS WHICH VARY DIURNALLY AND BY DAY OF WEEK (HRDOW7) *

SOURCE ID = STCK1 ; SOURCE TYPE = POINT :

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

DAY OF WEEK = MONDAY

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

DAY OF WEEK = TUESDAY

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

DAY OF WEEK = WEDNESDY

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

DAY OF WEEK = THURSDAY

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

DAY OF WEEK = FRIDAY

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

DAY OF WEEK = SATURDAY

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

DAY OF WEEK = SUNDAY

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

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

(466235.5, 3777488.7, 425.1, 1639.0, 0.0); (466229.9, 3777556.6, 425.3, 1639.0, 0.0);
(466229.2, 3777575.8, 425.6, 1639.0, 0.0); (466228.5, 3777604.3, 426.1, 1639.0, 0.0);
(466229.4, 3777625.9, 426.1, 1639.0, 0.0); (466228.5, 3777654.2, 425.8, 1639.0, 0.0);
(466218.9, 3777693.8, 425.5, 1639.0, 0.0); (466196.2, 3777721.9, 425.7, 1639.0, 0.0);
(466169.2, 3777745.6, 426.0, 1639.0, 0.0); (466153.7, 3777858.5, 423.7, 1642.0, 0.0);
(466114.7, 3777944.8, 423.2, 1642.0, 0.0); (468136.0, 3778118.8, 404.2, 1659.0, 0.0);
(468118.4, 3777969.6, 402.0, 1659.0, 0.0); (468118.8, 3778010.8,

403.0,   1659.0,   0.0);
(468118.2, 3777950.1,   402.0,   1659.0,   0.0);   (468117.0, 3777902.9,
400.6,   1659.0,   0.0);
(468117.6, 3777885.0,   400.0,   1659.0,   0.0);   (468118.0, 3777861.1,
400.0,   1659.0,   0.0);
(468117.8, 3777833.6,   399.6,   1659.0,   0.0);   (468118.0, 3777812.7,
399.2,   1659.0,   0.0);
(468118.0, 3777792.6,   398.9,   1659.0,   0.0);   (468119.2, 3777768.9,
398.1,   1659.0,   0.0);
(468121.4, 3777745.6,   398.0,   1659.0,   0.0);   (468123.8, 3777726.1,
397.7,   1659.0,   0.0);
(468126.8, 3777705.4,   397.0,   1659.0,   0.0);   (468130.2, 3777687.1,
397.0,   1659.0,   0.0);
(468133.4, 3777667.0,   396.7,   1659.0,   0.0);   (468138.1, 3777648.1,
396.1,   1659.0,   0.0);
(468143.3, 3777628.8,   396.0,   1659.0,   0.0);   (468147.9, 3777610.8,
395.8,   1659.0,   0.0);
(468154.3, 3777592.1,   395.2,   1659.0,   0.0);   (468160.6, 3777573.6,
394.6,   1659.0,   0.0);
(468166.2, 3777556.9,   394.0,   1659.0,   0.0);   (468172.8, 3777539.0,
394.0,   1659.0,   0.0);
(468181.5, 3777519.3,   393.8,   1659.0,   0.0);   (468209.1, 3777471.1,
393.0,   1659.0,   0.0);
(468286.1, 3777417.9,   391.4,   1659.0,   0.0);   (468311.5, 3777387.2,
391.0,   1659.0,   0.0);
(468282.2, 3777328.9,   390.0,   1659.0,   0.0);   (468504.8, 3777051.9,
384.1,   1659.0,   0.0);
(468532.8, 3777051.9,   384.0,   1659.0,   0.0);   (468550.4, 3777053.1,
384.0,   1659.0,   0.0);
(468475.6, 3776950.9,   382.8,   1659.0,   0.0);   (468517.3, 3776886.7,
382.0,   1659.0,   0.0);
(468543.5, 3776842.9,   381.1,   1659.0,   0.0);   (468611.5, 3776737.9,
379.0,   1659.0,   0.0);
(468613.5, 3776716.4,   378.9,   1659.0,   0.0);   (466309.9, 3777267.3,
422.7,   1639.0,   0.0);
(466345.0, 3777266.3,   420.3,   1639.0,   0.0);   (466383.5, 3777267.3,
415.8,   1639.0,   0.0);
(466426.0, 3777271.5,   414.7,   1639.0,   0.0);   (466476.6, 3777271.8,
413.2,   1639.0,   0.0);
(466523.0, 3777261.5,   411.3,   1639.0,   0.0);   (466546.6, 3777244.3,
410.7,   1639.0,   0.0);
(466569.7, 3777227.8,   409.8,   1639.0,   0.0);   (466597.9, 3777227.4,
406.2,   1639.0,   0.0);
(466675.4, 3777213.8,   404.7,   1639.0,   0.0);   (466270.4, 3777237.2,
423.4,   1639.0,   0.0);
(466222.4, 3777481.7,   425.6,   1639.0,   0.0);   (466100.3, 3777410.6,
426.7,   1639.0,   0.0);
(467912.0, 3778321.8,   409.0,   1659.0,   0.0);   (467839.2, 3778381.6,
410.5,   1659.0,   0.0);
(467810.4, 3778405.8,   411.2,   1659.0,   0.0);   (467732.1, 3778488.5,
413.1,   1659.0,   0.0);
(467690.3, 3778560.9,   414.8,   1659.0,   0.0);   (467108.1, 3778935.2,
424.1,   1659.0,   0.0);
(467267.3, 3778933.1,   423.9,   1659.0,   0.0);   (467153.2, 3778934.0,
424.0,   1659.0,   0.0);
(467089.9, 3778947.0,   424.8,   1659.0,   0.0);   (466364.4, 3778207.4,
416.6,   1642.0,   0.0);
(466308.3, 3778210.5,   416.9,   1642.0,   0.0);   (466254.5, 3778207.4,
417.4,   1642.0,   0.0);
(466165.2, 3778177.8,   418.4,   1642.0,   0.0);   (466196.9, 3778199.4,
418.2,   1642.0,   0.0);
(466371.8, 3778321.5,   418.3,   1642.0,   0.0);   (466149.4, 3777766.7,
426.1,   1639.0,   0.0);
(466129.9, 3777781.3,   427.3,   1639.0,   0.0);   (466110.8, 3777799.4,
427.7,   1642.0,   0.0);
(466091.0, 3777818.6,   427.0,   1642.0,   0.0);   (466072.5, 3777837.4,

427.9, 1642.0, 0.0);
(466053.6, 3777852.0, 428.6, 1642.0, 0.0); (466031.6, 3777868.2,
429.1, 1642.0, 0.0);
(466012.4, 3777882.5, 429.9, 1642.0, 0.0); (465993.6, 3777897.8,
431.1, 1642.0, 0.0);
(466110.4, 3777872.5, 424.5, 1642.0, 0.0); (466179.3, 3777199.2,
423.1, 1639.0, 0.0);
(466917.6, 3777208.2, 400.0, 1639.0, 0.0); (467023.8, 3777167.0,
396.9, 1639.0, 0.0);
(466796.1, 3777206.1, 402.0, 1639.0, 0.0); (466946.3, 3776262.0,
406.4, 406.4, 0.0);
FF *** AERMOD - VERSION 23132 *** *** C:\Users\Michael Tirohn\Desktop\HRAs\14324 Pepper
210\14324 Ops\1432 *** 01/26/24
*** AERMET - VERSION 16216 ***
*** *** 09:09:04

PAGE 53
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

(467026.8, 3776215.2, 405.0, 405.0, 0.0); (466901.7, 3776272.2,
407.2, 407.2, 0.0);
(466407.3, 3776462.4, 412.7, 412.7, 0.0); (466346.6, 3776460.2,
413.2, 413.2, 0.0);
(466275.6, 3776460.2, 413.5, 413.5, 0.0); (466002.1, 3776630.7,
418.1, 418.1, 0.0);
(466007.2, 3776553.1, 417.0, 417.0, 0.0); (465424.9, 3776849.6,
427.0, 427.0, 0.0);
(465410.4, 3776795.4, 426.0, 426.0, 0.0); (465379.8, 3776717.9,
425.0, 425.0, 0.0);
(465400.1, 3776879.8, 427.4, 427.4, 0.0); (465130.9, 3777882.1,
442.9, 1639.0, 0.0);
(465100.0, 3777897.0, 443.0, 1639.0, 0.0); (465091.6, 3777918.0,
443.3, 1639.0, 0.0);
(465058.3, 3777940.9, 444.0, 1639.0, 0.0); (465030.1, 3777962.3,
444.3, 1639.0, 0.0);
(465002.2, 3777986.4, 445.1, 1639.0, 0.0); (464411.7, 3778008.7,
450.9, 450.9, 0.0);
(464414.5, 3777952.1, 450.8, 450.8, 0.0); (464413.4, 3777896.9,
449.9, 449.9, 0.0);
(469504.0, 3776211.0, 366.2, 1659.0, 0.0); (469479.2, 3776194.1,
366.0, 1659.0, 0.0);
(468902.4, 3776577.4, 374.4, 1659.0, 0.0); (468743.8, 3776517.6,
375.4, 1659.0, 0.0);
(468781.5, 3776457.4, 374.6, 1659.0, 0.0); (468009.9, 3776659.8,
383.0, 1639.0, 0.0);
(467965.5, 3776647.6, 383.3, 1639.0, 0.0); (467919.0, 3776639.7,
384.0, 1639.0, 0.0);
(466991.0, 3776774.6, 406.0, 1639.0, 0.0); (467008.1, 3776747.1,
405.3, 1639.0, 0.0);
(467009.9, 3776722.9, 407.9, 1639.0, 0.0); (467032.8, 3776695.4,
407.9, 1639.0, 0.0);
(467082.7, 3776656.3, 405.6, 1639.0, 0.0); (467227.0, 3776550.3,
393.4, 1639.0, 0.0);
(467158.7, 3776521.0, 403.3, 1639.0, 0.0); (467246.8, 3776452.3,
399.1, 1639.0, 0.0);
(467293.5, 3776412.3, 396.7, 1639.0, 0.0); (467337.1, 3776365.5,
395.3, 1639.0, 0.0);
(467395.1, 3776308.0, 394.0, 1639.0, 0.0); (466106.5, 3778055.6,
421.9, 1642.0, 0.0);
(466146.1, 3778018.3, 418.9, 1642.0, 0.0); (466218.7, 3777730.9,
423.2, 1639.0, 0.0);
(466214.2, 3777756.5, 422.1, 1642.0, 0.0); (466214.8, 3777784.8,

```
    420.7,    1642.0,       0.0);
    ( 466182.0, 3777810.1,     423.8,    1642.0,       0.0);         ( 466149.9, 3777834.2,
    424.7,    1642.0,       0.0);
```


*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

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

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

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

1.54,   3.09,   5.14,   8.23, 10.80,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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

Surface file:
FONT_v9.SFC   Met
Version: 16216
Profile file:
FONT_v9.PFL
Surface format:
FREE

Profile format:
FREE

Surface station no.:   3102   Upper air station no.:   3190
Name: UNKNOWN   Name:
UNKNOWN
Year: 2011   Year: 2011

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
11	01	01	1	01	-18.5	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	69.	9.1	276.4	5.5
11	01	01	1	02	-23.8	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	52.	9.1	275.4	5.5
11	01	01	1	03	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	32.	9.1	275.4	5.5
11	01	01	1	04	-1.4	0.067	-9.000	-9.000	-999.	57.	18.3	0.25	2.82	1.00	0.40	27.	9.1	274.2	5.5
11	01	01	1	05	-18.6	0.194	-9.000	-9.000	-999.	204.	41.2	0.25	2.82	1.00	1.80	51.	9.1	274.2	5.5
11	01	01	1	06	-29.7	0.296	-9.000	-9.000	-999.	387.	96.6	0.25	2.82	1.00	2.70	53.	9.1	274.2	5.5
11	01	01	1	07	-24.0	0.239	-9.000	-9.000	-999.	282.	63.0	0.25	2.82	1.00	2.20	70.	9.1	274.2	5.5
11	01	01	1	08	-8.4	0.138	-9.000	-9.000	-999.	127.	27.3	0.25	2.82	0.54	1.30	72.	9.1	275.4	5.5
11	01	01	1	09	44.3	0.280	0.571	0.005	147.	356.	-43.5	0.25	2.82	0.32	2.20	67.	9.1	277.5	5.5
11	01	01	1	10	122.7	0.264	0.952	0.005	247.	326.	-13.2	0.25	2.82	0.25	1.80	83.	9.1	279.9	5.5
11	01	01	1	11	179.8	0.316	1.733	0.005	1017.	426.	-15.4	0.25	2.82	0.22	2.20	58.	9.1	282.0	5.5
11	01	01	1	12	206.0	0.320	1.940	0.008	1244.	435.	-14.0	0.25	2.82	0.21	2.20	115.	9.1	283.1	5.5
11	01	01	1	13	132.6	0.214	1.733	0.009	1377.	243.	-6.5	0.25	2.82	0.21	1.30	147.	9.1	284.2	5.5
11	01	01	1	14	147.0	0.216	1.818	0.009	1431.	242.	-6.0	0.25	2.82	0.23	1.30	219.	9.1	284.9	5.5
11	01	01	1	15	104.0	0.208	1.633	0.009	1468.	228.	-7.6	0.25	2.82	0.26	1.30	126.	9.1	285.4	5.5
11	01	01	1	16	26.4	0.140	1.037	0.009	1477.	127.	-9.1	0.25	2.82	0.35	0.90	151.	9.1	284.9	5.5
11	01	01	1	17	-9.0	0.137	-9.000	-9.000	-999.	121.	24.9	0.25	2.82	0.63	1.30	69.	9.1	283.1	5.5
11	01	01	1	18	-33.4	0.342	-9.000	-9.000	-999.	481.	129.0	0.25	2.82	1.00	3.10	81.	9.1	281.4	5.5
11	01	01	1	19	-33.6	0.342	-9.000	-9.000	-999.	481.	128.9	0.25	2.82	1.00	3.10	51.	9.1	279.9	5.5
11	01	01	1	20	-23.6	0.239	-9.000	-9.000	-999.	287.	63.1	0.25	2.82	1.00	2.20	77.	9.1	278.8	5.5
11	01	01	1	21	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	53.	9.1	277.5	5.5
11	01	01	1	22	-23.7	0.239	-9.000	-9.000	-999.	281.	63.0	0.25	2.82	1.00	2.20	58.	9.1	277.5	5.5
11	01	01	1	23	-18.5	0.194	-9.000	-9.000	-999.	205.	41.2	0.25	2.82	1.00	1.80	64.	9.1	277.5	5.5
11	01	01	1	24	-4.5	0.094	-9.000	-9.000	-999.	74.	16.3	0.25	2.82	1.00	0.90	52.	9.1	277.0	5.5

First hour of profile data

YR	MO	DY	HR	HEIGHT	F	WDIR	WSPD	AMB_TMP	sigmaA	sigmaW	sigmaV
11	01	01	01	5.5	0	-999.	-99.00	276.5	99.0	-99.00	-99.00
11	01	01	01	9.1	1	69.	1.80	-999.0	99.0	-99.00	-99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003953 , L0003954 , L0003955 , L0003956 , L0003957 ,
L0003958 , L0003959 , L0003960 , L0003961 , L0003962 ,
L0003963 , L0003964 , L0003965 ,
L0003966 , L0003967 , L0003968 , L0003969 , L0003970 ,
L0003971 , L0003972 , L0003973 ,
L0003974 , L0003975 , L0003976 , L0003977 , L0003978 ,
L0003979 , L0003980 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466235.51	3777488.67	0.00180	466229.89	3777556.58	0.00201
466229.19	3777575.78	0.00206	466228.48	3777604.35	0.00213
466229.42	3777625.89	0.00222	466228.48	3777654.23	0.00231
466218.88	3777693.80	0.00220	466196.17	3777721.90	0.00178
466169.24	3777745.56	0.00141	466153.71	3777858.47	0.00110
466114.69	3777944.80	0.00077	468136.04	3778118.84	0.00027
468118.43	3777969.61	0.00030	468118.83	3778010.83	0.00029
468118.23	3777950.10	0.00030	468117.04	3777902.92	0.00030
468117.63	3777885.00	0.00030	468118.03	3777861.10	0.00030
468117.83	3777833.63	0.00030	468118.03	3777812.72	0.00030
468118.03	3777792.61	0.00030	468119.23	3777768.92	0.00030
468121.42	3777745.63	0.00029	468123.80	3777726.12	0.00029
468126.79	3777705.41	0.00029	468130.18	3777687.09	0.00029
468133.36	3777666.98	0.00029	468138.14	3777648.07	0.00028
468143.32	3777628.76	0.00028	468147.90	3777610.84	0.00028
468154.27	3777592.12	0.00027	468160.64	3777573.60	0.00027
468166.21	3777556.88	0.00026	468172.78	3777538.96	0.00026
468181.45	3777519.32	0.00025	468209.09	3777471.07	0.00024
468286.15	3777417.90	0.00021	468311.45	3777387.21	0.00020
468282.17	3777328.89	0.00020	468504.85	3777051.89	0.00014
468532.83	3777051.89	0.00014	468550.44	3777053.15	0.00014
468475.65	3776950.91	0.00014	468517.27		

3776886.69 0.00013
468543.45 3776842.87 0.00012 468611.52
3776737.86 0.00011
468613.45 3776716.37 0.00011 466309.93
3777267.31 0.00126
466344.95 3777266.34 0.00131 466383.54
3777267.31 0.00134
466426.02 3777271.53 0.00141 466476.60
3777271.85 0.00147
466522.97 3777261.48 0.00144 466546.65
3777244.29 0.00137
466569.67 3777227.75 0.00130 466597.88
3777227.43 0.00127
466675.38 3777213.81 0.00126 466270.37
3777237.16 0.00112
466222.39 3777481.67 0.00168 466100.28
3777410.56 0.00099
467911.95 3778321.82 0.00031 467839.16
3778381.65 0.00032
467810.40 3778405.77 0.00032 467732.08
3778488.51 0.00031
467690.35 3778560.93 0.00030 467108.13
3778935.22 0.00016
467267.35 3778933.09 0.00017 467153.23
3778933.99 0.00017
467089.86 3778946.96 0.00016 466364.36
3778207.36 0.00081
466308.35 3778210.53 0.00073 466254.46
3778207.36 0.00066
466165.16 3778177.77 0.00059 466196.86
3778199.44 0.00060
466371.75 3778321.49 0.00052 466149.36
3777766.67 0.00121
466129.89 3777781.27 0.00103 466110.75
3777799.45 0.00090
466090.95 3777818.59 0.00081 466072.45
3777837.41 0.00071

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL ***
INCLUDING SOURCE(S): L0003953 , L0003954 , L0003955 , L0003956 , L0003957 ,
L0003958 , L0003959 , L0003960 , L0003961 , L0003962 ,
L0003963 , L0003964 , L0003965 ,
L0003966 , L0003967 , L0003968 , L0003969 , L0003970 ,
L0003971 , L0003972 , L0003973 ,
L0003974 , L0003975 , L0003976 , L0003977 , L0003978 ,
L0003979 , L0003980 , . . . ,

*** DISCRETE CARTESIAN RECEPTOR POINTS ***

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

X-COORD (M)	Y-COORD (M)	CONC	X-COORD (M)	Y-COORD (M)	CONC
466053.63	3777852.02	0.00063	466031.57		

3777868.24 0.00057
466012.42 3777882.52 0.00051 465993.60
3777897.77 0.00046
466110.42 3777872.46 0.00085 466179.35
3777199.21 0.00090
466917.60 3777208.20 0.00148 467023.82
3777166.98 0.00129
466796.06 3777206.08 0.00132 466946.35
3776262.01 0.00022
467026.80 3776215.20 0.00020 466901.73
3776272.25 0.00023
466407.28 3776462.43 0.00030 466346.57
3776460.23 0.00030
466275.62 3776460.23 0.00030 466002.06
3776630.66 0.00034
466007.18 3776553.12 0.00031 465424.89
3776849.60 0.00022
465410.38 3776795.38 0.00021 465379.83
3776717.87 0.00020
465400.07 3776879.77 0.00022 465130.91
3777882.10 0.00010
465099.98 3777897.00 0.00010 465091.58
3777918.00 0.00009
465058.35 3777940.91 0.00009 465030.09
3777962.30 0.00008
465002.21 3777986.36 0.00008 464411.74
3778008.66 0.00005
464414.50 3777952.09 0.00005 464413.40
3777896.90 0.00005
469504.05 3776211.02 0.00006 469479.21
3776194.10 0.00006
468902.44 3776577.39 0.00009 468743.80
3776517.62 0.00009
468781.55 3776457.40 0.00009 468009.93
3776659.75 0.00018
467965.51 3776647.59 0.00018 467918.97
3776639.66 0.00019
466991.01 3776774.56 0.00047 467008.09
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467293.52 3776412.27 0.00023 467337.12
3776365.52 0.00021
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3778055.62 0.00061
466146.08 3778018.31 0.00083 466218.73
3777730.88 0.00229
466214.18 3777756.54 0.00218 466214.83
3777784.80 0.00215
466182.03 3777810.14 0.00144 466149.87
3777834.17 0.00110

*** THE SUMMARY OF MAXIMUM PERIOD (43848 HRS) RESULTS
***

GROUP ID	NETWORK	AVERAGE CONC	RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG)	OF TYPE	GRID-ID
ALL	1ST HIGHEST VALUE IS	0.00231	AT (466228.48, 3777654.23, 425.76, 1639.00, 0.00)	DC	
	2ND HIGHEST VALUE IS	0.00229	AT (466218.73, 3777730.88, 423.17, 1639.00, 0.00)	DC	
	3RD HIGHEST VALUE IS	0.00222	AT (466229.42, 3777625.89, 426.14, 1639.00, 0.00)	DC	
	4TH HIGHEST VALUE IS	0.00220	AT (466218.88, 3777693.80, 425.46, 1639.00, 0.00)	DC	
	5TH HIGHEST VALUE IS	0.00218	AT (466214.18, 3777756.54, 422.07, 1642.00, 0.00)	DC	
	6TH HIGHEST VALUE IS	0.00215	AT (466214.83, 3777784.80, 420.72, 1642.00, 0.00)	DC	
	7TH HIGHEST VALUE IS	0.00213	AT (466228.48, 3777604.35, 426.13, 1639.00, 0.00)	DC	
	8TH HIGHEST VALUE IS	0.00206	AT (466229.19, 3777575.78, 425.59, 1639.00, 0.00)	DC	
	9TH HIGHEST VALUE IS	0.00201	AT (466229.89, 3777556.58, 425.34, 1639.00, 0.00)	DC	
	10TH HIGHEST VALUE IS	0.00180	AT (466235.51, 3777488.67, 425.14, 1639.00, 0.00)	DC	

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

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** Message Summary : AERMOD Model Execution ***

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

A Total of 0 Fatal Error Message(s)
A Total of 8 Warning Message(s)
A Total of 838 Informational Message(s)

A Total of 43848 Hours Were Processed

A Total of 40 Calm Hours Identified

A Total of 798 Missing Hours Identified (1.82 Percent)

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

******** WARNING MESSAGES ********
SO W320 2207 PPARM: Input Parameter May Be Out-of-Range for Parameter VS

```
ME W186    2914       MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used          0.50
ME W187    2914       MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
MX W438    8800        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12010216
MX W438   11536        METQA: Convective Velocity Data Out-of-Range.  KURDAT =       12042516
MX W420   16779        METQA: Wind Speed Out-of-Range.   KURDAT =                   12113003
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:     15010101
MX W450   26305       CHKDAT: Record Out of Sequence in Meteorological File at:    1 year gap

   ***********************************
   *** AERMOD Finishes Successfully ***
   ***********************************
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APPENDIX 4.5:

SCAQMD AMICUS BRIEF

S219783

IN THE SUPREME COURT OF C ALIFORNIA

SIERRA CLUB, REVIVE THE SAN JOAQUIN, and
LEAGUE OF WOMEN VOTERS OF FRESNO,

Plaintiffs and Appellants,

v.

COUNTY OF FRESNO,

Defendant and Respondent,

and,

FRIANT RANCH, L.P.,

Real Party in Interest and Respondent.

SUPREME COURT
FILED
APR 13 2015
Frank A. McGuire Clerk
Deputy

After a Published Decision by the Court of Appeal, filed May 27, 2014
Fifth Appellate District Case No. F066798

Appeal from the Superior Court of California, County of Fresno
Case No. 11CECG00726
Honorable Rosendo A. Pena, Jr.

APPLICATION OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT FOR LEAVE TO FILE BRIEF OF *AMICUS CURIAE* IN SUPPORT OF NEITHER PARTY AND *[PROPOSED]* BRIEF OF *AMICUS CURIAE*

Kurt R. Wiese, General Counsel (SBN 127251)
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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

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APR - 6 2015
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TO THE HONORABLE CHIEF JUSTICE AND JUSTICES OF THE SUPREME COURT:

APPLICATION FOR LEAVE TO FILE *AMICUS CURIAE* BRIEF

Pursuant to Rule 8.520(f) of the California Rules of Court, the South Coast Air Quality Management District (SCAQMD) respectfully requests leave to file the attached *amicus curiae* brief. Because SCAQMD's position differs from that of either party, we request leave to submit this amicus brief in support of neither party.

HOW THIS BRIEF WILL ASSIST THE COURT

SCAQMD's proposed amicus brief takes a position on two of the issues in this case. In both instances, its position differs from that of either party. The issues are:

1) Does the California Environmental Quality Act (CEQA) require an environmental impact report (EIR) to correlate a project's air pollution emissions with specific levels of health impacts?
2) What is the proper standard of review for determining whether an EIR provides sufficient information on the health impacts caused by a project's emission of air pollutants?

This brief will assist the Court by discussing the practical realities of correlating identified air quality impacts with specific health outcomes. In short, CEQA requires agencies to provide detailed information about a project's air quality impacts that is sufficient for the public and decisionmakers to adequately evaluate the project and meaningfully understand its impacts. However, the level of analysis is governed by a rule of reason; CEQA only requires agencies to conduct analysis if it is reasonably feasible to do so.

With regard to health-related air quality impacts, an analysis that correlates a project's air pollution emissions with specific levels of health impacts will be feasible in some cases but not others. Whether it is feasible depends on a variety of factors, including the nature of the project and the nature of the analysis under consideration. The feasibility of analysis may also change over time as air districts and others develop new tools for measuring projects' air quality related health impacts. Because SCAQMD has among the most sophisticated air quality modeling and health impact evaluation capability of any of the air districts in the State, it is uniquely situated to express an opinion on the extent to which the Court should hold that CEQA requires lead agencies to correlate air quality impacts with specific health outcomes.

SCAQMD can also offer a unique perspective on the question of the appropriate standard of review. SCAQMD submits that the proper standard of review for determining whether an EIR is sufficient as an informational document is more nuanced than argued by either party. In our view, this is a mixed question of fact and law. It includes determining whether additional analysis is feasible, which is primarily a factual question that should be reviewed under the substantial evidence standard. However, it also involves determining whether the omission of a particular analysis renders an EIR insufficient to serve CEQA's purpose as a meaningful, informational document. If a lead agency has not determined that a requested analysis is infeasible, it is the court's role to determine whether the EIR nevertheless meets CEQA's purposes, and courts should not defer to the lead agency's conclusions regarding the legal sufficiency of an EIR's analysis. The ultimate question of whether an EIR's analysis is "sufficient" to serve CEQA's informational purposes is predominately a question of law that courts should review de novo.

This brief will explain the rationale for these arguments and may assist the Court in reaching a conclusion that accords proper respect to a lead agency's factual conclusions while maintaining judicial authority over the ultimate question of what level of analysis CEQA requires.

STATEMENT OF INTEREST OF *AMICUS CURIAE*

The SCAQMD is the regional agency primarily responsible for air pollution control in the South Coast Air Basin, which consists of all of Orange County and the non-desert portions of the Los Angeles, Riverside, and San Bernardino Counties. (Health & Saf. Code § 40410; Cal. Code Regs., tit. 17, § 60104.) The SCAQMD participates in the CEQA process in several ways. Sometimes it acts as a lead agency that prepares CEQA documents for projects. Other times it acts as a responsible agency when it has permit authority over some part of a project that is undergoing CEQA review by a different lead agency. Finally, SCAQMD also acts as a commenting agency for CEQA documents that it receives because it is a public agency with jurisdiction by law over natural resources affected by the project.

In all of these capacities, SCAQMD will be affected by the decision in this case. SCAQMD sometimes submits comments requesting that a lead agency perform an additional type of air quality or health impacts analysis. On the other hand, SCAQMD sometimes determines that a particular type of health impact analysis is not feasible or would not produce reliable and informative results. Thus, SCAQMD will be affected by the Court's resolution of the extent to which CEQA requires EIRs to correlate emissions and health impacts, and its resolution of the proper standard of review.

CERTIFICATION REGARDING AUTHORSHIP AND FUNDING

No party or counsel in the pending case authored the proposed amicus curiae brief in whole or in part, or made any monetary contribution intended to fund the preparation or submission of the brief. No person or entity other than the proposed *Amicus Curiae* made any monetary contribution intended to fund the preparation or submission of the brief.

Respectfully submitted,

DATED: April 3, 2015

SOUTH COAST AIR QUALITY
MANAGEMENT DISTRICT
KURT R. WIESE, GENERAL COUNSEL
BARBARA BAIRD, CHIEF DEPUTY COUNSEL

By: Barbara Baird
Barbara Baird
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SOUTH COAST AIR QUALITY
MANAGEMENT DISTICT

BRIEF OF AMICUS CURIAE

SUMMARY OF ARGUMENT

The South Coast Air Quality Management District (SCAQMD) submits that this Court should not try to establish a hard-and-fast rule concerning whether lead agencies are required to correlate emissions of air pollutants with specific health consequences in their environmental impact reports (EIR). The level of detail required in EIRs is governed by a few, core CEQA (California Environmental Quality Act) principles. As this Court has stated, "[a]n EIR must include detail sufficient to enable those who did not participate in its preparation to understand and to consider meaningfully the issues raised by the proposed project." (*Laurel Heights Improvement Assn. v. Regents of the Univ of Cal.* (1988) 47 Cal.3d 376, 405 ["*Laurel Heights I*"]) Accordingly, "an agency must use its best efforts to find out and disclose all that it reasonably can." (*Vineyard Area Citizens for Responsible Growth, Inc. v. City of Rancho Cordova* (2007) 40 Cal.4th 412, 428 (quoting CEQA Guidelines § 15144)[1].). However, "[a]nalysis of environmental effects need not be exhaustive, but will be judged in light of what is reasonably feasible." (*Association of Irritated Residents v. County of Madera* (2003) 107 Cal.App.4th 1383, 1390; CEQA Guidelines §§ 15151, 15204(a).)

With regard to analysis of air quality related health impacts, EIRs must generally quantify a project's pollutant emissions, but in some cases it is not feasible to correlate these emissions to specific, quantifiable health impacts (e.g., premature mortality; hospital admissions). In such cases, a general description of the adverse health impacts resulting from the pollutants at issue may be sufficient. In other cases, due to the magnitude

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[1] The CEQA Guidelines are found at Cal. Code Regs., tit. 14 §§ 15000, *et seq.*

or nature of the pollution emissions, as well as the specificity of the project involved, it may be feasible to quantify health impacts. Or there may be a less exacting, but still meaningful analysis of health impacts that can feasibly be performed. In these instances, agencies should disclose those impacts.

SCAQMD also submits that whether or not an EIR complies with CEQA's informational mandates by providing sufficient, feasible analysis is a mixed question of fact and law. Pertinent here, the question of whether an EIR's discussion of health impacts from air pollution is sufficient to allow the public to understand and consider meaningfully the issues involves two inquiries: (1) Is it feasible to provide the information or analysis that a commenter is requesting or a petitioner is arguing should be required?; and (2) Even if it is feasible, is the agency relying on other policy or legal considerations to justify not preparing the requested analysis? The first question of whether an analysis is feasible is primarily a question of fact that should be judged by the substantial evidence standard. The second inquiry involves evaluating CEQA's information disclosure purposes against the asserted reasons to not perform the requested analysis. For example, an agency might believe that its EIR meets CEQA's informational disclosure standards even without a particular analysis, and therefore choose not to conduct that analysis. SCAQMD submits that this is more of a legal question, which should be reviewed de novo as a question of law.

ARGUMENT

I. RELEVANT FACTUAL AND LEGAL FRAMEWORK.

A. Air Quality Regulatory Background

The South Coast Air Quality Management District (SCAQMD) is one of the local and regional air pollution control districts and air quality

management districts in California. The SCAQMD is the regional air pollution agency for the South Coast Air Basin, which consists of all of Orange County and the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. (Health & Saf. Code § 40410, 17 Cal. Code Reg. § 60104.) The SCAQMD also includes the Coachella Valley in Riverside County (Palm Springs area to the Salton Sea). (SCAQMD, *Final 2012 AQMP (Feb. 2013)*, http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan/final-2012-air-quality-management-plan; then follow "chapter 7" hyperlink; pp 7-1, 7-3 (last visited Apr. 1, 2015).) The SCAQMD's jurisdiction includes over 16 million residents and has the worst or nearly the worst air pollution levels in the country for ozone and fine particulate matter. (SCAQMD, *Final 2012 AQMP (Feb. 2013)*, http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan/final-2012-air-quality-management-plan; then follow "Executive Summary" hyperlink p. ES-1 (last visited Apr. 1, 2015).)

Under California law, the local and regional districts are primarily responsible for controlling air pollution from all sources except motor vehicles. (Health & Saf. Code § 40000.) The California Air Resources Board (CARB), part of the California Environmental Protection Agency, is primarily responsible for controlling pollution from motor vehicles. (*Id.*) The air districts must adopt rules to achieve and maintain the state and federal ambient air quality standards within their jurisdictions. (Health & Saf. Code § 40001.)

The federal Clean Air Act (CAA) requires the United States Environmental Protection Agency (EPA) to identify pollutants that are widely distributed and pose a threat to human health, developing a so-called "criteria" document. (42 U.S.C. § 7408; CAA § 108.) These pollutants are frequently called "criteria pollutants." EPA must then establish "national ambient air quality standards" at levels "requisite to protect public health",

allowing "an adequate margin of safety." (42 U.S.C. § 7409; CAA § 109.) EPA has set standards for six identified pollutants: ozone, nitrogen dioxide, sulfur dioxide, carbon monoxide, particulate matter (PM), and lead. (U.S. EPA, National Ambient Air Quality Standards (NAAQS), http://www.epa.gov/air/criteria.html (last updated Oct. 21, 2014).)[2]

Under the Clean Air Act, EPA sets emission standards for motor vehicles and "nonroad engines" (mobile farm and construction equipment, marine vessels, locomotives, aircraft, etc.). (42 U.S.C. §§ 7521, 7547; CAA §§ 202, 213.) California is the only state allowed to establish emission standards for motor vehicles and most nonroad sources; however, it may only do so with EPA's approval. (42 U.S.C. §§ 7543(b), 7543(e); CAA §§ 209(b), 209(c).) Sources such as manufacturing facilities, power plants and refineries that are not mobile are often referred to as "stationary sources." The Clean Air Act charges state and local agencies with the primary responsibility to attain the national ambient air quality standards. (42 U.S.C. § 7401(a)(3); CAA § 101(a)(3).) Each state must adopt and implement a plan including enforceable measures to achieve and maintain the national ambient air quality standards. (42 U.S.C. § 7410; CAA § 110.) The SCAQMD and CARB jointly prepare portion of the plan for the South Coast Air Basin and submit it for approval by EPA. (Health & Saf. Code §§ 40460, et seq.)

The Clean Air Act also requires state and local agencies to adopt a permit program requiring, among other things, that new or modified "major" stationary sources use technology to achieve the "lowest achievable emission rate," and to control minor stationary sources as

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[2] Particulate matter (PM) is further divided into two categories: fine particulate or $PM_{2.5}$ (particles with a diameter of less than or equal to 2.5 microns) and coarse particulate (PM_{10}) (particles with a diameter of 10 microns or less). (U.S. EPA, Particulate Matter (PM), http://www.epa.gov/airquality/particlepollution/ (last visited Apr. 1, 2015).)

needed to help attain the standards. (42 U.S.C. §§ 7502(c)(5), 7503(a)(2), 7410(a)(2)(C); CAA §§ 172(c)(5), 173(a)(2), 110(a)(2)(C).) The air districts implement these permit programs in California. (Health & Saf. Code §§ 42300, et seq.)

The Clean Air Act also sets out a regulatory structure for over 100 so-called "hazardous air pollutants" calling for EPA to establish "maximum achievable control technology" (MACT) for sources of these pollutants. (42 U.S.C. § 7412(d)(2); CAA § 112(d)(2).) California refers to these pollutants as "toxic air contaminants" (TACs) which are subject to two state-required programs. The first program requires "air toxics control measures" for specific categories of sources. (Health & Saf. Code § 39666.) The other program requires larger stationary sources and sources identified by air districts to prepare "health risk assessments" for impacts of toxic air contaminants. (Health & Saf. Code §§ 44320(b), 44322, 44360.) If the health risk exceeds levels identified by the district as "significant," the facility must implement a "risk reduction plan" to bring its risk levels below "significant" levels. Air districts may adopt additional more stringent requirements than those required by state law, including requirements for toxic air contaminants. (Health & Saf. Code § 41508; *Western Oil & Gas Assn. v. Monterey Bay Unified APCD* (1989) 49 Cal.3d 408, 414.) For example, SCAQMD has adopted a rule requiring new or modified sources to keep their risks below specified levels and use best available control technology (BACT) for toxics. (SCAQMD, *Rule 1401-New Source Review of Toxic Air Contaminants*, http://www.aqmd.gov/home/regulations/rules/scaqmd-rule-book/regulation-xiv; then follow "Rule 1401" hyperlink (last visited Apr. 1, 2015).)

B. The SCAQMD's Role Under CEQA

The California Environmental Quality Act (CEQA) requires public agencies to perform an environmental review and appropriate analysis for projects that they implement or approve. (Pub. Resources Code § 21080(a).) The agency with primary approval authority for a particular project is generally the "lead agency" that prepares the appropriate CEQA document. (CEQA Guidelines §§ 15050, 15051.) Other agencies having a subsequent approval authority over all or part of a project are called "responsible" agencies that must determine whether the CEQA document is adequate for their use. (CEQA Guidelines §§ 15096(c), 15381.) Lead agencies must also consult with and circulate their environmental impact reports to "trustee agencies" and agencies "with jurisdiction by law" including "authority over resources which may be affected by the project." (Pub. Resources Code §§ 21104(a), 21153; CEQA Guidelines §§ 15086(a)(3), 15073(c).) The SCAQMD has a role in all these aspects of CEQA.

Fulfilling its responsibilities to implement its air quality plan and adopt rules to attain the national ambient air quality standards, SCAQMD adopts a dozen or more rules each year to require pollution reductions from a wide variety of sources. The SCAQMD staff evaluates each rule for any adverse environmental impact and prepares the appropriate CEQA document. Although most rules reduce air emissions, they may have secondary environmental impacts such as use of water or energy or disposal of waste—e.g., spent catalyst from control equipment.[3]

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[3] The SCAQMD's CEQA program for its rules is a "Certified Regulatory Program" under which it prepares a "functionally equivalent" document in lieu of a negative declaration or EIR. (Pub. Resources Code § 21080.5, CEQA Guidelines § 15251(l).)

The SCAQMD also approves a large number of permits every year to construct new, modified, or replacement facilities that emit regulated air pollutants. The majority of these air pollutant sources have already been included in an earlier CEQA evaluation for a larger project, are currently being evaluated by a local government as lead agency, or qualify for an exemption. However, the SCAQMD sometimes acts as lead agency for major projects where the local government does not have a discretionary approval. In such cases, SCAQMD prepares and certifies a negative declaration or environmental impact report (EIR) as appropriate.[4] SCAQMD evaluates perhaps a dozen such permit projects under CEQA each year. SCAQMD is often also a "responsible agency" for many projects since it must issue a permit for part of the projects (e.g., a boiler used to provide heat in a commercial building). For permit projects evaluated by another lead agency under CEQA, SCAQMD has the right to determine that the CEQA document is inadequate for its purposes as a responsible agency, but it may not do so because its permit program already requires all permitted sources to use the best available air pollution control technology. (SCAQMD, *Rule 1303(a)(1) – Requirements*, http://www.aqmd.gov/home/regulations/rules/scaqmd-rule-book/regulation-xiii; then follow "Rule 1303" hyperlink (last visited Apr. 1, 2015).)

Finally, SCAQMD receives as many as 60 or more CEQA documents each month (around 500 per year) in its role as commenting agency or an agency with "jurisdiction by law" over air quality—a natural resource affected by the project. (Pub. Resources Code §§ 21104(a), 21153; CEQA Guidelines § 15366(a)(3).) The SCAQMD staff provides comments on as many as 25 or 30 such documents each month.

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[4] The SCAQMD's permit projects are not included in its Certified Regulatory Program, and are evaluated under the traditional local government CEQA analysis. (Pub. Resources Code §§ 21150-21154.)

(SCAQMD Governing Board Agenda, Apr. 3, 2015, Agenda Item 16, Attachment A, http://www.aqmd.gov/home/library/meeting-agendas-minutes/agenda?title=governing-board-meeting-agenda-april-3-2015; then follow "16. Lead Agency Projects and Environmental Documents Received by SCAQMD" hyperlink (last visited Apr. 1, 2015).) Of course, SCAQMD focuses its commenting efforts on the more significant projects.

Typically, SCAQMD comments on the adequacy of air quality analysis, appropriateness of assumptions and methodology, and completeness of the recommended air quality mitigation measures. Staff may comment on the need to prepare a health risk assessment detailing the projected cancer and noncancer risks from toxic air contaminants resulting from the project, particularly the impacts of diesel particulate matter, which CARB has identified as a toxic air contaminant based on its carcinogenic effects. (California Air Resources Board, Resolution 98-35, Aug. 27, 1998, http://www.arb.ca.gov/regact/diesltac/diesltac.htm; then follow Resolution 98-35 hyperlink (last visited Apr. 1, 2015).) Because SCAQMD already requires new or modified stationary sources of toxic air contaminants to use the best available control technology for toxics and to keep their risks below specified levels, (SCAQMD Rule 1401, supra, note 15), the greatest opportunity to further mitigate toxic impacts through the CEQA process is by reducing emissions—particularly diesel emissions—from vehicles.

II. THIS COURT SHOULD NOT SET A HARD-AND-FAST RULE CONCERNING THE EXTENT TO WHICH AN EIR MUST CORRELATE A PROJECT'S EMISSION OF POLLUTANTS WITH RESULTING HEALTH IMPACTS.

Numerous cases hold that courts do not review the correctness of an EIR's conclusions but rather its sufficiency as an informative document. (*Laurel Heights 1, supra*, 47 Cal.3d at p. 392; *Citizens of Goleta Valley v.*

Bd. of Supervisors (1990) 52 Cal.3d 553, 569; *Bakersfield Citizens for Local Control v. City of Bakersfield* (2004) 124 Cal.App.4th 1184, 1197.)

As stated by the Court of Appeal in this case, where an EIR has addressed a topic, but the petitioner claims that the information provided about that topic is insufficient, courts must "draw[] a line that divides *sufficient* discussions from those that are *insufficient*." (*Sierra Club v. County of Fresno* (2014) 226 Cal.App.4th 704 (superseded by grant of review) 172 Cal.Rptr.3d 271, 290.) The Court of Appeal readily admitted that "[t]he terms themselves – sufficient and insufficient – provide little, if any, guidance as to where the line should be drawn. They are simply labels applied once the court has completed its analysis." (*Id.*)

The CEQA Guidelines, however, provide guidance regarding what constitutes a sufficient discussion of impacts. Section 15151 states that "the sufficiency of an EIR is to be reviewed in light of what is reasonably feasible." Case law reflects this: "Analysis of environmental effects need not be exhaustive, but will be judged in light of what was reasonably feasible." (*Association of Irritated Residents v. County of Madera, supra,* 107 Cal.App.4th at p. 1390; see also CEQA Guidelines § 15204(a).)

Applying this test, this Court cannot realistically establish a hard-and-fast rule that an analysis correlating air pollution impacts of a project to quantified resulting health impacts is always required, or indeed that it is never required. Simply put, in some cases such an analysis will be "feasible"; in some cases it will not.

For example, air pollution control districts often require a proposed new source of toxic air contaminants to prepare a "health risk assessment" before issuing a permit to construct. District rules often limit the allowable cancer risk the new source may cause to the "maximally exposed individual" (worker and residence exposures). (*See, e.g.*, SCAQMD Rule 1401(c)(8); 1401(d)(1), *supra* note 15.) In order to perform this analysis, it

is necessary to have data regarding the sources and types of air toxic contaminants, location of emission points, velocity of emissions, the meteorology and topography of the area, and the location of receptors (worker and residence). (SCAQMD, *Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics "Hot Spots" Information and Assessment Act (AB2588), pp. 11-16*; (last visited Apr. 1, 2015) http://www.aqmd.gov/home/library/documents-support-material; "Guidelines" hyperlink; AB2588; then follow AB2588 Risk Assessment Guidelines hyperlink.)

Thus, it is feasible to determine the health risk posed by a new gas station locating at an intersection in a mixed use area, where receptor locations are known. On the other hand, it may not be feasible to perform a health risk assessment for airborne toxics that will be emitted by a generic industrial building that was built on "speculation" (i.e., without knowing the future tenant(s)). Even where a health risk assessment can be prepared, however, the resulting maximum health risk value is only a calculation of risk—it does not necessarily mean anyone will contract cancer as a result of the project.

In order to find the "cancer burden" or expected additional cases of cancer resulting from the project, it is also necessary to know the numbers and location of individuals living within the "zone of impact" of the project: i.e., those living in areas where the projected cancer risk from the project exceeds one in a million. (SCAQMD, Health Risk Assessment Summary form, http://www.aqmd.gov/home/forms ; filter by "AB2588" category; then "Health Risk Assessment" hyperlink (last visited Apr. 1, 2015).) The affected population is divided into bands of those exposed to at least 1 in a million risk, those exposed to at least 10 in a million risk, etc. up to those exposed at the highest levels. (*Id.*) This data allows agencies to calculate an approximate number of additional cancer cases expected from

the project. However, it is not possible to predict which particular individuals will be affected.

For the so-called criteria pollutants[5], such as ozone, it may be more difficult to quantify health impacts. Ozone is formed in the atmosphere from the chemical reaction of the nitrogen oxides (NO_x) and volatile organic compounds (VOC) in the presence of sunlight. (U.S. EPA, Ground Level Ozone, http://www.epa.gov/airquality/ozonepollution/ (last updated Mar. 25, 2015).) It takes time and the influence of meteorological conditions for these reactions to occur, so ozone may be formed at a distance downwind from the sources. (U.S. EPA, *Guideline on Ozone Monitoring Site Selection* (Aug. 1998) EPA-454/R-98-002 § 5.1.2, http://www.epa.gov/ttnamti1/archive/cpreldoc.html (last visited Apr. 1, 2015).) NO_x and VOC are known as "precursors" of ozone.

Scientifically, health effects from ozone are correlated with increases in the ambient level of ozone in the air a person breathes. (U.S. EPA, *Health Effects of Ozone in the General Population,* Figure 9, http://www.epa.gov/apti/ozonehealth/population.html#levels (last visited Apr. 1, 2015).) However, it takes a large amount of additional precursor emissions to cause a modeled increase in ambient ozone levels over an entire region. For example, the SCAQMD's 2012 AQMP showed that reducing NO_x by 432 tons per day (157,680 tons/year) and reducing VOC by 187 tons per day (68,255 tons/year) would reduce ozone levels at the SCAQMD's monitor site with the highest levels by only 9 parts per billion. (South Coast Air Quality Management District, *Final 2012 AQMP (February 2013)*, http://www.aqmd.gov/home/library/clean-air-plans/air-quality-mgt-plan/final-2012-air-quality-management-plan; then follow "Appendix V: Modeling & Attainment Demonstrations" hyperlink,

[5] See discussion of types of pollutants, supra, Part I.A.

pp. v-4-2, v-7-4, v-7-24.) SCAQMD staff does not currently know of a way to accurately quantify ozone-related health impacts caused by NO_x or VOC emissions from relatively small projects.

On the other hand, this type of analysis may be feasible for projects on a regional scale with very high emissions of NO_x and VOCs, where impacts are regional. For example, in 2011 the SCAQMD performed a health impact analysis in its CEQA document for proposed Rule 1315, which authorized various newly-permitted sources to use offsets from the districts "internal bank" of emission reductions. This CEQA analysis accounted for essentially *all* the increases in emissions due to new or modified sources in the District between 2010 and 2030.[6] The SCAQMD was able to correlate this very large emissions increase (e.g., 6,620 pounds per day NO_x (1,208 tons per year), 89,180 pounds per day VOC (16,275 tons per year)) to expected health outcomes from ozone and particulate matter (e.g., 20 premature deaths per year and 89,947 school absences in the year 2030 due to ozone).[7] (SCAQMD Governing Board Agenda, February 4, 2011, Agenda Item 26, *Assessment for: Re-adoption of Proposed Rule 1315 – Federal New Source Review Tracking System* (see hyperlink in fn 6*)* at p. 4.1-35, Table 4.1-29.)

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[6] (SCAQMD Governing Board Agenda, February 4, 2011, Agenda Item 26, Attachment G, *Assessment for: Re-adoption of Proposed Rule 1315 – Federal New Source Review Tracking System, Vol. 1, p.4.0-6,* http://www.aqmd.gov/home/library/meeting-agendas-minutes/agenda?title=governing-board-meeting-agenda-february-4-2011; the follow "26. Adopt Proposed Rule 1315 – Federal New Source Review Tracking System" (last visited April 1, 2015).)

[7] The SCAQMD was able to establish the location of future NO_x and VOC emissions by assuming that new projects would be built in the same locations and proportions as existing stationary sources. This CEQA document was upheld by the Los Angeles County Superior Court in *Natural Res. Def. Council v SCAQMD*, Los Angeles Superior Court No. BS110792).

However, a project emitting only 10 tons per year of NO_x or VOC is small enough that its regional impact on ambient ozone levels may not be detected in the regional air quality models that are currently used to determine ozone levels. Thus, in this case it would not be feasible to directly correlate project emissions of VOC or NO_x with specific health impacts from ozone. This is in part because ozone formation is not linearly related to emissions. Ozone impacts vary depending on the location of the emissions, the location of other precursor emissions, meteorology and seasonal impacts, and because ozone is formed some time later and downwind from the actual emission. (EPA Guideline on Ozone Monitoring Site Selection (Aug. 1998) EPA-454/R-98-002, § 5.1.2; https://www.epa.gov/ttnamti1/archive/cpreldoc.html; then search "Guideline on Ozone Monitoring Site Selection" click on pdf) (last viewed Apr. 1, 2015).)

SCAQMD has set its CEQA "significance" threshold for NO_x and VOC at 10 tons per year (expressed as 55 lb/day). (SCAQMD, *Air Quality Analysis Handbook*, http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook; then follow "SCAQMD Air Quality Significance Thresholds" hyperlink (last visited Apr. 1, 2015).) This is because the federal Clean Air Act defines a "major" stationary source for "extreme" ozone nonattainment areas such as SCAQMD as one emitting 10 tons/year. (42 U.S.C. §§ 7511a(e), 7511a(f); CAA §§ 182(e), 182(f).) Under the Clean Air Act, such sources are subject to enhanced control requirements (42 U.S.C. §§ 7502(c)(5), 7503; CAA §§ 172(c)(5), 173), so SCAQMD decided this was an appropriate threshold for making a CEQA "significance" finding and requiring feasible mitigation. Essentially, SCAQMD takes the position that a source that emits 10 tons/year of NO_x or VOC would contribute cumulatively to ozone formation. Therefore, lead agencies that use SCAQMD's thresholds of significance may determine

that many projects have "significant" air quality impacts and must apply all feasible mitigation measures, yet will not be able to precisely correlate the project to quantifiable health impacts, unless the emissions are sufficiently high to use a regional modeling program.

In the case of particulate matter ($PM_{2.5}$)[8], another "criteria" pollutant, SCAQMD staff is aware of two possible methods of analysis. SCAQMD used regional modeling to predict expected health impacts from its proposed Rule 1315, as mentioned above. Also, the California Air Resources Board (CARB) has developed a methodology that can predict expected mortality (premature deaths) from large amounts of $PM_{2.5}$. (California Air Resources Board, *Health Impacts Analysis: PM Premature Death Relationship*, http://www.arb.ca.gov/research/health/pm-mort/pm-mort_arch.htm (last reviewed Jan. 19, 2012).) SCAQMD used the CARB methodology to predict impacts from three very large power plants (e.g., 731-1837 lbs/day). (Final Environmental Assessment for Rule 1315, *supra*, pp 4.0-12, 4.1-13, 4.1-37 (e.g., 125 premature deaths in the entire SCAQMD in 2030), 4.1-39 (0.05 to 1.77 annual premature deaths from power plants.) Again, this project involved large amounts of additional $PM_{2.5}$ in the District, up to 2.82 tons/day (5,650 lbs/day of $PM_{2.5}$, or, or 1029 tons/year. (*Id.* at table 4.1-4, p. 4.1-10.)

However, the primary author of the CARB methodology has reported that this $PM_{2.5}$ health impact methodology is not suited for small projects and may yield unreliable results due to various uncertainties. [9] (SCAQMD, *Final Subsequent Mitigated Negative Declaration for: Warren*

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[8] SCAQMD has not attained the latest annual or 24-hour national ambient air quality standards for "$PM_{2.5}$" or particulate matter less than 2.5 microns in diameter.

[9] Among these uncertainties are the representativeness of the population used in the methodology, and the specific source of PM and the corresponding health impacts. (*Id.* at p. 2-24.)

E&P, Inc. WTU Central Facility, New Equipment Project (certified July 19, 2011), http://www.aqmd.gov/home/library/documents-support-material/lead-agency-permit-projects/permit-project-documents---year-2011; then follow "Final Subsequent Mitigated Negative Declaration for Warren E&P Inc. WTU Central Facility, New Equipment Project" hyperlink, pp. 2-22, 2-23 (last visited Apr. 1, 2015).) Therefore, when SCAQMD prepared a CEQA document for the expansion of an existing oil production facility, with very small $PM_{2.5}$ increases (3.8 lb/day) and a very small affected population, staff elected not to use the CARB methodology for using estimated $PM_{2.5}$ emissions to derive a projected premature mortality number and explained why it would be inappropriate to do so. (*Id.* at pp 2-22 to 2-24.) SCAQMD staff concluded that use of this methodology for such a small source could result in unreliable findings and would not provide meaningful information. (*Id.* at pp. 2-23, 2-25.) This CEQA document was not challenged in court.

In the above case, while it may have been technically possible to plug the data into the methodology, the results would not have been reliable or meaningful. SCAQMD believes that an agency should not be required to perform analyses that do not produce reliable or meaningful results. This Court has already held that an agency may decline to use even the "normal" "existing conditions" CEQA baseline where to do so would be misleading or without informational value. (*Neighbors for Smart Rail v. Exposition Metro Line* (2013) 57 Cal.4th 439, 448, 457.) The same should be true for a decision that a particular study or analysis would not provide reliable or meaningful results.[10]

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[10] Whether a particular study would result in "informational value" is a part of deciding whether it is "feasible." CEQA defines "feasible" as "capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, social, and

Therefore, it is not possible to set a hard-and-fast rule on whether a correlation of air quality impacts with specific quantifiable health impacts is required in all cases. Instead, the result turns on whether such an analysis is reasonably feasible in the particular case.[11] Moreover, what is reasonably feasible may change over time as scientists and regulatory agencies continually seek to improve their ability to predict health impacts. For example, CARB staff has been directed by its Governing Board to reassess and improve the methodology for estimating premature deaths. (California Air Resources Board, *Health Impacts Analysis: PM Mortality Relationship*, http://www.arb.ca.gov/research/health/pm-mort/pm-mort.htm (last reviewed Dec. 29, 2010).) This factor also counsels against setting any hard-and-fast rule in this case.

III. THE QUESTION OF WHETHER AN EIR CONTAINS SUFFICIENT ANALYSIS TO MEET CEQA'S REQUIREMENTS IS A MIXED QUESTION OF FACT AND LAW GOVERNED BY TWO DIFFERENT STANDARDS OF REVIEW.

A. Standard of Review for Feasibility Determination and Sufficiency as an Informative Document

A second issue in this case is whether courts should review an EIR's informational sufficiency under the "substantial evidence" test as argued by Friant Ranch or the "independent judgment" test as argued by Sierra Club.

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technological factors." (Pub. Resources Code § 21061.1.) A study cannot be "accomplished in a *successful* manner" if it produces unreliable or misleading results.

[11] In this case, the lead agency did not have an opportunity to determine whether the requested analysis was feasible because the comment was non-specific. Therefore, SCAQMD suggests that this Court, after resolving the legal issues in the case, direct the Court of Appeal to remand the case to the lead agency for a determination of whether the requested analysis is feasible. Because Fresno County, the lead agency, did not seek review in this Court, it seems likely that the County has concluded that at least some level of correlation of air pollution with health impacts is feasible.

As this Court has explained, "a reviewing court must adjust its scrutiny to the nature of the alleged defect, depending on whether the claim is predominantly one of improper procedure or a dispute over the facts." (*Vineyard Area Citizens v. City of Rancho Cordova, supra,* 40 Cal.4th at 435.) For questions regarding compliance with proper procedure or other legal questions, courts review an agency's action de novo under the "independent judgment" test. (*Id.*) On the other hand, courts review factual disputes only for substantial evidence, thereby "accord[ing] greater deference to the agency's substantive factual conclusions." (*Id.*)

Here, Friant Ranch and Sierra Club agree that the case involves the question of whether an EIR includes sufficient information regarding a project's impacts. However, they disagree on the proper standard of review for answering this question: Sierra Club contends that courts use the independent judgment standard to determine whether an EIR's analysis is sufficient to meet CEQA's informational purposes,[12] while Friant Ranch contends that the substantial evidence standard applies to this question.

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[12] Sierra Club acknowledges that courts use the substantial evidence standard when reviewing predicate factual issues, but argues that courts ultimately decide as a matter of law what CEQA requires. (Answering Brief, pp. 14, 23.)

SCAQMD submits that the issue is more nuanced than either party contends. We submit that, whether a CEQA document includes sufficient analysis to satisfy CEQA's informational mandates is a mixed question of fact and law,[13] containing two levels of inquiry that should be judged by different standards.[14]

The state CEQA Guidelines set forth standards for the adequacy of environmental analysis. Guidelines Section 15151 states:

> An EIR should be prepared with a sufficient degree of analysis to provide decision makers with information which enables them to make a decision which intelligently takes account of environmental consequences. An evaluation of the environmental effects of a proposed project need not be exhaustive, but the sufficiency of an EIR is to be reviewed in light of what is reasonably feasible. Disagreement among experts does not make an EIR inadequate, but the EIR should summarize the main points of disagreement among the experts. The courts have looked not for perfection, but for adequacy, completeness, and a good-faith effort at full disclosure.

In this case, the basic question is whether the underlying analysis of air quality impacts made the EIR "sufficient" as an informative document. However, whether the EIR's analysis was sufficient is judged in light of what was reasonably feasible. This represents a mixed question of fact and law that is governed by two different standards of review.

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[13] Friant Ranch actually states that the claim that an EIR lacks sufficient relevant information is, "most properly thought of as raising mixed questions of fact and law." (Opening Brief, p. 27.) However, the remainder of its argument claims that the court should apply the substantial evidence standard of review to all aspects of the issue.

[14] Mixed questions of fact and law issues may implicate predominantly factual subordinate questions that are reviewed under the substantial evidence test even though the ultimate question may be reviewed by the independent judgment test. *Crocker National Bank v. City and County of San Francisco* (1989) 49 Cal.3d 881, 888-889.

SCAQMD submits that an EIR's sufficiency as an informational document is ultimately a legal question that courts should determine using their independent judgment. This Court's language in *Laurel Heights I* supports this position. As this Court explained: "The court does not pass upon the correctness of the EIR's environmental conclusions, but only upon its *sufficiency as an informative document.*" (*Laurel Heights I, supra,* 47 Cal.3d at 392-393) (emphasis added.) As described above, the Court in *Vineyard Area Citizens v. City of Rancho Cordova, supra,* 40 Cal.4th at 431, also used its independent judgment to determine what level of analysis CEQA requires for water supply impacts. The Court did not defer to the lead agency's opinion regarding the law's requirements; rather, it determined for itself what level of analysis was necessary to meet "[t]he law's informational demands." (*Id.* at p. 432.) Further, existing case law also holds that where an agency fails to comply with CEQA's information disclosure requirements, the agency has "failed to proceed in the manner required by law." (*Save Our Peninsula Comm. v. Monterey County Bd. of Supervisors* (2001) 87 Cal.App.4th 99, 118.)

However, whether an EIR satisfies CEQA's requirements depends in part on whether it was reasonably feasible for an agency to conduct additional or more thorough analysis. EIRs must contain "a detailed statement" of a project's impacts (Pub. Res. Code § 21061), and an agency must "use its best efforts to find out and disclose all that it reasonably can." (CEQA Guidelines § 15144.) Nevertheless, "the sufficiency of an EIR is to be reviewed in light of what is reasonably feasible." (CEQA Guidelines § 15151.)

SCAQMD submits that the question of whether additional analysis or a particular study suggested by a commenter is "feasible" is generally a question of fact. Courts have already held that whether a particular alternative is "feasible" is reviewed by the substantial evidence test.

(*Uphold Our Heritage v. Town of Woodside* (2007) 147 Cal.App.4th 587, 598-99; *Center for Biological Diversity v. County of San Bernardino* (2010) 185 Cal.App.4th 866, 883.) Thus, if a lead agency determines that a particular study or analysis is infeasible, that decision should generally be judged by the substantial evidence standard. However, SCAQMD urges this Court to hold that lead agencies must explain the basis of any determination that a particular analysis is infeasible in the EIR itself. An EIR must discuss information, including issues related to the feasibility of particular analyses "in sufficient detail to enable meaningful participation and criticism by the public. '[W]hatever is required to be considered in an EIR must be in that formal report; what any official might have known from other writings or oral presentations cannot supply what is lacking in the report.'" (*Laurel Heights I, supra*, 47 Cal.3d at p. 405 (quoting *Santiago County Water District v. County of Orange* (1981) 118 Cal.App.3d 818, 831) (discussing analysis of alternatives).) The evidence on which the determination is based should also be summarized in the EIR itself, with appropriate citations to reference materials if necessary. Otherwise commenting agencies such as SCAQMD would be forced to guess where the lead agency's evidence might be located, thus thwarting effective public participation.

Moreover, if a lead agency determines that a particular study or analysis would not result in reliable or useful information and for that reason is not feasible, that determination should be judged by the substantial evidence test. (See *Neighbors for Smart Rail v. Exposition Metro Line Construction Authority, supra*, 57 Cal.4th 439, 448, 457:

whether "existing conditions" baseline would be misleading or uninformative judged by substantial evidence standard.[15])

If the lead agency's determination that a particular analysis or study is not feasible is supported by substantial evidence, then the agency has not violated CEQA's information disclosure provisions, since it would be infeasible to provide additional information. This Court's decisions provide precedent for such a result. For example, this Court determined that the issue of whether the EIR should have included a more detailed discussion of future herbicide use was resolved because substantial evidence supported the agency's finding that "the precise parameters of future herbicide use could not be predicted." *Ebbetts Pass Forest Watch v. California Dept. of Forestry & Fire Protection* (2008) 43 Cal.4th 936, 955.

Of course, SCAQMD expects that courts will continue to hold lead agencies to their obligations to consult with, and not to ignore or misrepresent, the views of sister agencies having special expertise in the area of air quality. (*Berkeley Keep Jets Over the Bay v. Board of Port Commissioners* (2007) 91 Cal.App.4th 1344, 1364 n.11.) In some cases, information provided by such expert agencies may establish that the purported evidence relied on by the lead agency is not in fact "substantial". (*Id.* at pp. 1369-1371.)

In sum, courts retain ultimate responsibility to determine what CEQA requires. However, the law does not require exhaustive analysis, but only what is reasonably feasible. Agencies deserve deference for their factual determinations regarding what type of analysis is reasonably feasible. On the other hand, if a commenter requests more information, and the lead agency declines to provide it but does *not* determine that the

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[15] The substantial evidence standard recognizes that the courts "have neither the resources nor the scientific expertise" to weigh conflicting evidence on technical issues. (*Laurel Heights I, supra,* 47 Cal.3d 376, 393.)

requested study or analysis would be infeasible, misleading or uninformative, the question becomes whether the omission of that analysis renders the EIR inadequate to satisfy CEQA's informational purposes. (*Id.* at pp. 1370-71.) Again, this is predominantly a question of law and should be judged by the de novo or independent judgment standard of review. Of course, this Court has recognized that a "project opponent or reviewing court can always imagine some additional study or analysis that might provide helpful information. It is not for them to design the EIR. That further study...might be helpful does not make it necessary." (*Laurel Heights I, supra,* 47 Cal.3d 376, 415 – see also CEQA Guidelines § 15204(a) [CEQA "does not require a lead agency to conduct every test. . . recommended or demanded by commenters."].) Courts, then, must adjudicate whether an omission of particular information renders an EIR inadequate to serve CEQA's informational purposes.[16]

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[16] We recognize that there is case law stating that the substantial evidence standard applies to "challenges to the scope of an EIR's analysis of a topic" as well as the methodology used and the accuracy of the data relied on in the document "because these types of challenges involve factual questions." (*Bakersfield Citizens for Local Control v. City of Bakersfield, supra,* 124 Cal.App.4th 1184, 1198, and cases relied on therein.) However, we interpret this language to refer to situations where the question of the scope of the analysis really is factual—that is, where it involves whether further analysis is feasible, as discussed above. This interpretation is supported by the fact that the *Bakersfield* court expressly rejected an argument that a claimed "omission of information from the EIR should be treated as inquiries whether there is substantial evidence supporting the decision approving the project. " *Bakersfield, supra,* 124 Cal.App.4th at p. 1208. And the *Bakersfield* court ultimately decided that the lead agency must analyze the connection between the identified air pollution impacts and resulting health impacts, even though the EIR already included some discussion of air-pollution-related respiratory illnesses. *Bakersfield, supra,* 124 Cal.App.4th at p. 1220. Therefore, the court must not have interpreted this question as one of the "scope of the analysis" to be judged by the substantial evidence standard.

B. Friant Ranch's Rationale for Rejecting the Independent Judgment Standard of Review is Unsupported by Case Law.

In its brief, Friant Ranch makes a distinction between cases where a required CEQA topic is not discussed at all (to be reviewed by independent judgment as a failure to proceed in the manner required by law) and cases where a topic is discussed, but the commenter claims the information provided is insufficient (to be judged by the substantial evidence test). (Opening Brief, pp. 13-17.) The Court of Appeal recognized these two types of cases, but concluded that both raised questions of law. (*Sierra Club v. County of Fresno* (2014) 226 Cal.App.4th 704 (superseded by grant of review) 172 Cal.Rptr.3d 271, 290.) We believe the distinction drawn by Friant Ranch is unduly narrow, and inconsistent with cases which have concluded that CEQA documents are insufficient. In many instances, CEQA's requirements are stated broadly, and the courts must interpret the law to determine what level of analysis satisfies CEQA's mandate for providing meaningful information, even though the EIR discusses the issue to some extent.

For example, the CEQA Guidelines require discussion of the existing environmental baseline. In *County of Amador v. El Dorado County Water Agency* (1999) 76 Cal.App.4th 931, 954-955, the lead agency had discussed the environmental baseline by describing historic month-end water levels in the affected lakes. However, the court held that this was not an adequate baseline discussion because it failed to discuss the timing and amounts of past actual water releases, to allow comparison with the proposed project. The court evidently applied the independent judgment test to its decision, even though the agency discussed the issue to some extent.

Likewise, in *Vineyard Area Citizens* (2007) 40 Cal.4th 412, this Court addressed the question of whether an EIR's analysis of water supply impacts complied with CEQA. The parties agreed that the EIR was required to analyze the effects of providing water to the development project, "and that in order to do so the EIR had, in some manner, to identify the planned sources of that water." (*Vineyard Area Citizens, supra,* at p. 428.) However, the parties disagreed as to the level of detail required for this analysis and "what level of uncertainty regarding the availability of water supplies can be tolerated in an EIR . . . ." (*Id.*) In other words, the EIR had analyzed water supply impacts for the project, but the petitioner claimed that the analysis was insufficient.

This Court noted that neither CEQA's statutory language or the CEQA Guidelines specifically addressed the question of how precisely an EIR must discuss water supply impacts. (*Id.*) However, it explained that CEQA "states that '[w]hile foreseeing the unforeseeable is not possible, an agency must use its best efforts to find out and disclose all that it reasonably can.'" (*Id.*, [Guidelines § 15144].) The Court used this general principle, along with prior precedent, to elucidate four "principles for analytical adequacy" that are necessary in order to satisfy "CEQA's informational purposes." (*Vineyard Area Citizens, supra,* at p. 430.) The Court did not defer to the agency's determination that the EIR's analysis of water supply impacts was sufficient. Rather, this Court used its independent judgment to determine for itself the level of analysis required to satisfy CEQA's fundamental purposes. (*Vineyard Area Citizens, supra*, at p. 441: an EIR does not serve its purposes where it neglects to explain likely sources of water and "... leaves long term water supply considerations to later stages of the project.")

Similarly, the CEQA Guidelines require an analysis of noise impacts of the project. (Appendix G, "Environmental Checklist Form."[17]) In *Gray v. County of Madera* (2008) 167 Cal.App.4th 1099, 1123, the court held that the lead agency's noise impact analysis was inadequate even though it had addressed the issue and concluded that the increase would not be noticeable. If the court had been using the substantial evidence standard, it likely would have upheld this discussion.

Therefore, we do not agree that the issue can be resolved on the basis suggested by Friant Ranch, which would apply the substantial evidence standard to *every* challenge to an analysis that addresses a required CEQA topic. This interpretation would subvert the courts' proper role in interpreting CEQA and determining what the law requires.

Nor do we agree that the Court of Appeal in this case violated CEQA's prohibition on courts interpreting its provisions "in a manner which imposes procedural or substantive requirements beyond those explicitly stated in this division or in the state guidelines." (Pub. Resources Code § 21083.1.) CEQA requires an EIR to describe *all* significant impacts of the project on the environment. (Pub. Resources Code § 21100(b)(2); *Vineyard Area Citizens, supra,* at p. 428.) Human beings are part of the environment, so CEQA requires EIRs to discuss a project's significant impacts on human health. However, except in certain particular circumstances,[18] neither the CEQA statute nor Guidelines specify the precise level of analysis that agencies must undertake to satisfy the law's requirements. (see, e.g., CEQA Guidelines § 15126.2(a) [EIRs must describe "health and safety problems caused by {a project's} physical changes"].) Accordingly, courts must interpret CEQA as a whole to

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[17] Association of Environmental Professionals, 2015 CEQA Statute and Guidelines (2015) p.287.

[18] E.g., Pub. Resources Code § 21151.8(C)(3)(B)(iii) (requiring specific type of health risk analysis for siting schools).

determine whether a particular EIR is sufficient as an informational document. A court determining whether an EIR's discussion of human health impacts is legally sufficient does not constitute imposing a new substantive requirement.[19] Under Friant Ranch's theory, the above-referenced cases holding a CEQA analysis inadequate would have violated the law. This is not a reasonable interpretation.

IV. COURTS MUST SCRUPULOUSLY ENFORCE THE REQUIREMENTS THAT LEAD AGENCIES CONSULT WITH AND OBTAIN COMMENTS FROM AIR DISTRICTS

Courts must "scrupulously enforce" CEQA's legislatively mandated requirements. (*Vineyard Area Citizens, supra*, 40 Cal.4th 412, 435.) Case law has firmly established that lead agencies must consult with the relevant air pollution control district before conducting an initial study, and must provide the districts with notice of the intention to adopt a negative declaration (or EIR). (*Schenck v. County of Sonoma* (2011) 198 Cal.App.4th 949, 958.) As *Schenck* held, neither publishing the notice nor providing it to the State Clearinghouse was a sufficient substitute for sending notice directly to the air district. (*Id.*) Rather, courts "must be satisfied that [administrative] agencies have fully complied with the procedural requirements of CEQA, since only in this way can the important public purposes of CEQA be protected from subversion." *Schenck,* 198 Cal.App.4th at p. 959 (citations omitted).[20]

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[19] We submit that Public Resources Code Section 21083.1 was intended to prevent courts from, for example, holding that an agency must analyze economic impacts of a project where there are no resulting environmental impacts (see CEQA Guidelines § 15131) , or imposing new procedural requirements, such as imposing additional public notice requirements not set forth in CEQA or the Guidelines.

[20] Lead agencies must consult air districts, as public agencies with jurisdiction by law over resources affected by the project, *before* releasing an EIR. (Pub. Resources Code §§ 21104(a); 21153.) Moreover, air

Lead agencies should be aware, therefore, that failure to properly seek and consider input from the relevant air district constitutes legal error which may jeopardize their project approvals. For example, the court in *Fall River Wild Trout Foundation v. County of Shasta,* (1999) 70 Cal.App.4th 482, 492 held that the failure to give notice to a trustee agency (Department of Fish and Game) was prejudicial error requiring reversal. The court explained that the lack of notice prevented the Department from providing any response to the CEQA document. (*Id.* at p. 492.) It therefore prevented relevant information from being presented to the lead agency, which was prejudicial error because it precluded informed decision-making. (*Id.*)[21]

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districts should be considered "state agencies" for purposes of the requirement to consult with "trustee agencies" as set forth in Public Resources Code § 20180.3(a). This Court has long ago held that the districts are not mere "local agencies" whose regulations are superseded by those of a state agency regarding matters of statewide concern, but rather have concurrent jurisdiction over such issues. (*Orange County Air Pollution Control District v. Public Util. Com.* (1971) 4 Cal.3d 945, 951, 954.) Since air pollution is a matter of statewide concern, *Id* at 952, air districts should be entitled to trustee agency status in order to ensure that this vital concern is adequately protected during the CEQA process.

[21] In *Schenck,* the court concluded that failure to give notice to the air district was not prejudicial, but this was partly because the trial court had already corrected the error before the case arrived at the Court of Appeal. The trial court issued a writ of mandate requiring the lead agency to give notice to the air district. The air district responded by concurring with the lead agency that air impacts were not significant. (*Schenck,* 198 Cal.App.4th 949, 960.) We disagree with the *Schenck* court that the failure to give notice to the air district would not have been prejudicial (even in the absence of the trial court writ) merely because the lead agency purported to follow the air district's published CEQA guidelines for significance. (*Id.*, 198 Cal.App.4th at p. 960.) In the first place, absent notice to the air district, it is uncertain whether the lead agency properly followed those guidelines. Moreover, it is not realistic to expect that an air district's published guidelines would necessarily fully address all possible air-quality related issues that can arise with a CEQA project, or that those

Similarly, lead agencies must obtain additional information requested by expert agencies, including those with jurisdiction by law, if that information is necessary to determine a project's impacts. (*Sierra Club v. State Bd. Of Forestry* (1994) 7 Cal.4th 1215, 1236-37.) Approving a project without obtaining that information constitutes a failure to proceed in the manner prescribed by CEQA. (*Id.* at p. 1236.)

Moreover, a lead agency can save significant time and money by consulting with the air district early in the process. For example, the lead agency can learn what the air district recommends as an appropriate analysis on the facts of its case, including what kinds of health impacts analysis may be available, and what models are appropriate for use. This saves the lead agency from the need to do its analysis all over again and possibly needing to recirculate the document after errors are corrected, if new significant impacts are identified. (CEQA Guidelines § 15088.5(a).) At the same time, the air district's expert input can help the lead agency properly determine whether another commenter's request for additional analysis or studies is reasonable or feasible. Finally, the air district can provide input on what mitigation measures would be feasible and effective.

Therefore, we suggest that this Court provide guidance to lead agencies reminding them of the importance of consulting with the relevant air districts regarding these issues. Otherwise, their feasibility decisions may be vulnerable to air district evidence that establishes that there is no substantial evidence to support the lead agency decision not to provide specific analysis. (*See Berkeley Keep Jets Over the Bay, supra,* 91 Cal.App.4th 1344, 1369-1371.)

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guidelines would necessarily be continually modified to reflect new developments. Therefore we believe that, had the trial court not already ordered the lead agency to obtain the air district's views, the failure to give notice would have been prejudicial, as in *Fall River, supra,* 70 Cal.App.4th 482, 492.

CONCLUSION

The SCAQMD respectfully requests this Court *not* to establish a hard-and-fast rule concerning whether CEQA requires a lead agency to correlate identified air quality impacts of a project with resulting health outcomes. Moreover, the question of whether an EIR is "sufficient as an informational document" is a mixed question of fact and law containing two levels of inquiry. Whether a particular proposed analysis is feasible is predominantly a question of fact to be judged by the substantial evidence standard of review. Where the requested analysis is feasible, but the lead agency relies on legal or policy reasons not to provide it, the question of whether the EIR is nevertheless sufficient as an informational document is predominantly a question of law to be judged by the independent judgment standard of review.

Respectfully submitted,

DATED: April 3, 2015

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CERTIFICATE OF WORD COUNT

Pursuant to Rule 8.520(c)(1) of the California Rules of Court, I hereby certify that this brief contains 8,476 words, including footnotes, but excluding the Application, Table of Contents, Table of Authorities, Certificate of Service, this Certificate of Word Count, and signature blocks. I have relied on the word count of the Microsoft Word Vista program used to prepare this Certificate.

DATED: April 3, 2015 Respectfully submitted,

Barbara Baird

Barbara Baird

PROOF OF SERVICE

I am employed in the County of Los Angeles, California. I am over the age of 18 years and not a party to the within action. My business address is 21865 Copley Drive, Diamond Bar, California 91765.

On April 3, 2015 I served true copies of the following document(s) described as **APPLICATION OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT FOR LEAVE TO FILE BRIEF OF *AMICUS CURIAE* IN SUPPORT OF NEITHER PARTY AND *[PROPOSED]* BRIEF OF *AMICUS CURIAE*** by placing a true copy of the foregoing document(s) in a sealed envelope addressed as set forth on the attached service list as follows:

BY MAIL: I enclosed the document(s) in a sealed envelope or package addressed to the persons at the addresses listed in the Service List and placed the envelope for collection and mailing following our ordinary business practices. I am readily familiar with this District's practice for collection and processing of correspondence for mailing. Under that practice, the correspondence would be deposited with the United States Postal Service, with postage thereon fully prepaid at Diamond Bar, California, in the ordinary course of business. I am aware that on motion of the party served, service is presumed invalid if postal cancellation date or postage meter date is more than one day after date of deposit for mailing in affidavit.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed on April 3, 2015 at Diamond Bar, California.

Patricia Anderson

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